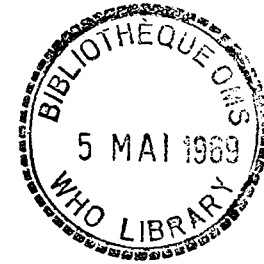




INTER-REGIONAL SEMINAR ON SMALLPOX ERADICATION

Lagos, Nigeria, 13-20 May 1969

COUNTRY REPORT



INDEXED

1.0 DEMOGRAPHIC DATA

1.1 Estimated population (July 1969)

Age		%
0-4	715 904	18.8
5-14	955 808	25.1
15-44	1 599 360	42.0
45+	533 120	14.0
TOTAL	3 804 192	

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>30</u>
Maintenance teams	<u>6</u>
Other (Specify)	_____
TOTAL	<u>36</u>

Other field staff, including recorders, drivers, etc. 24

Supervisory personnel (paramedical) 10

4.2 Number of vaccinators directly supervised by one supervisor 2

4.3 Average number of vaccinations performed daily by each team:

Regular teams 1 000 (SPOX)

Maintenance teams 250 (SPOX)

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: 2 days per mo.

Other levels: - days per mo.

By advisory staff reviewing work of -

Vaccination team: 1 days per mo.

Other levels: 1 days per mo.

5.1.2 Measures taken when vaccinator or assessor performance is unsatisfactory

Retraining

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% Checking of conditions of vaccine storage and vaccination techniques

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.

0 %

Steps taken if the coverage is not acceptable (i.e. revaccinate the area etc.) Improvement of publicity and increase in number of vaccination centres

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 Monthly

Number of reports: Expected in 1968 324  
Received in 1968 324 (with 4 months' delay)  
% received 100

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

N.A. %

Best estimate of the percentage of cases which are reported:

	January 1967	February 1969
More than 90%	<u>N.A.</u>	_____
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 Regular teams

These teams are: Centralized  Decentralized

If decentralized, to what extent Headquarters of SNGE  
\_\_\_\_\_

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

Proportion of outbreaks, since October 1968, routinely investigated to determine the origin of infection N.A. %

Of the investigations noted above, the percentage of outbreaks where the origin was not ascertained N.A. %

6.0 COMMODITIES

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

Year	Col. 1	Col. 2	Col. 3 (Col.1-Col.2)	Col. 4	Reasons for Difference between Col.3 and Col.4
1967					
1968					
1969*					
1967					
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	9	9	
Ped-o-Jets	40	40	
Refrigerators	12	11	
Motorbikes	6	0	

\* Since inception of the programme.

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











PAYS SENEGAL  
COUNTRY

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
CAP VERT	210	141	261	352	421	763	739	610	1079						
CASAMANCE	394	346	129	137	310	39	155	27	32						
DIORBEL	134	127	211	167	185	126	60	62	16						
FLEUVE	580	331	439	443	443	385	178	322	172						
SENEGAL ORIENTAL	8	77	52	25	66	53	24	13	9						
SINE SALOUM	74	134	176	246	154	135	176	141	99						
THIES	359	425	115	44	419	241	305	73	105						
Total	1759	1581	1383	1414	1998	1742	1637	1248	1512	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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

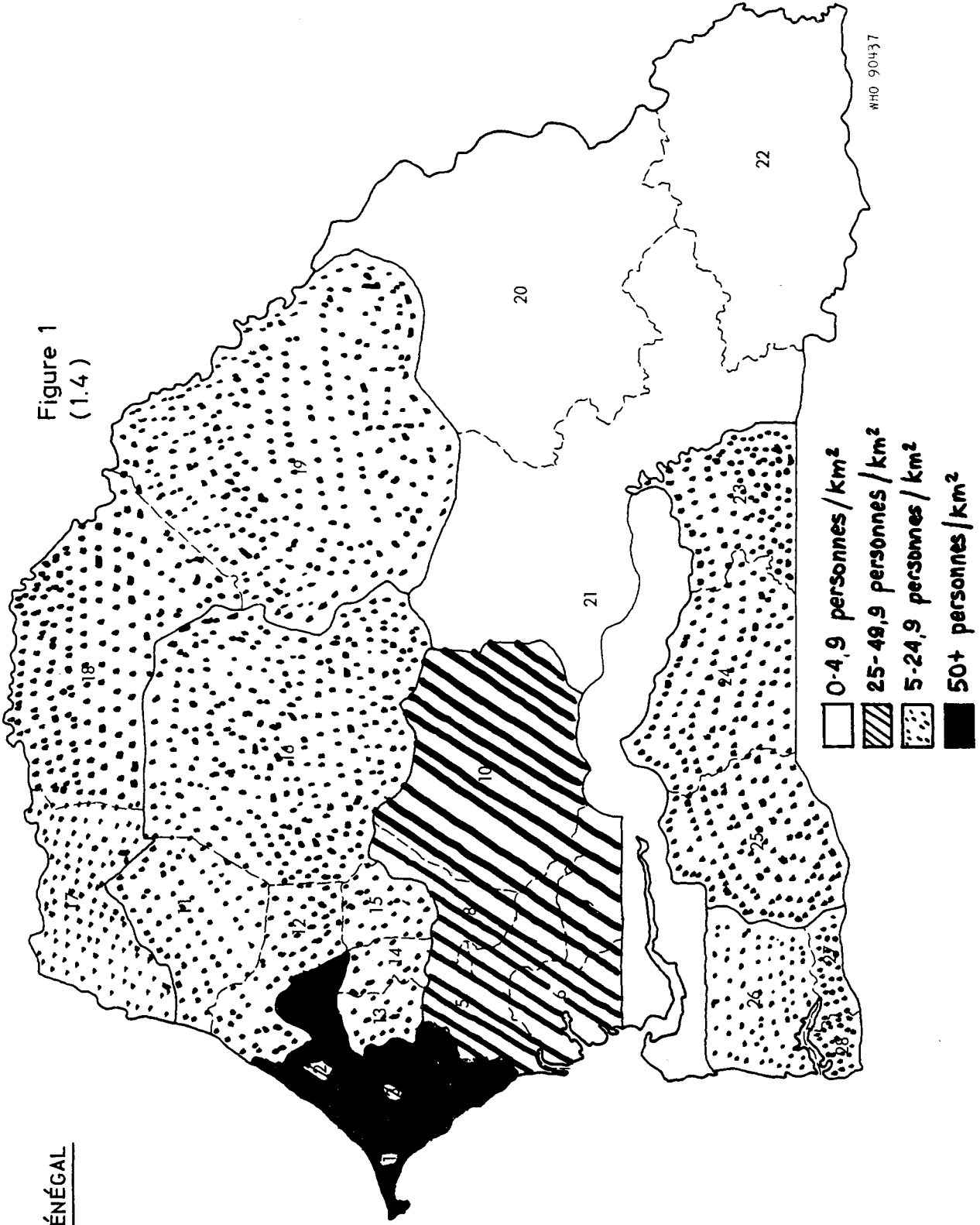
TABLE 7. MEASLES VACCINATIONS PERFORMED BY GEOGRAPHIC SUBDIVISIONS  
(those shown on country maps)

1967	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*
64690	CAP VERT	-	-	35 380	-	-	100 070
15953	CASAMANCE	45 878	39 208	9 411	8 375	9 352	128 177
5886	DIOURBEL	9 673	16 365	3 006	9 070	12 628	56 628
2613	FLEUVE	17 510	8 140	21 410	15 465	5 790	70 928
9077	SENEGAL ORIENTAL	16 036	15 153	-	-	4 224	44 490
-	SINE SALOUM	30 388	43 284	31 267	50 372	27 758	183 069
10510	THIES	19 337	-	-	-	-	29 847
108729		138 822	122 150	100 474	83 282	59 752	613 209

\* Englobant le total depuis la mise en oeuvre du programme.  
\* Includes the total since the inception of the programme.

RÉPUBLIQUE DU SÉNÉGAL

Figure 1  
(1.4)



## LEGEND

<u>SECTEUR</u>	<u>DEPARTMENT</u>
CAP VERT (REGION)	1. Dakar, etc.
M'BOUR	2. Tivaouane 3. Thies 4. M'Bour 5. Fatick 6. Foundiougne 7. Kaolack 8. Gossas 9. Nioro-du-Rip 10. Kaffrine
DIORBEL	11. Louga 12. Kebemer 13. Bambey 14. Diourbel 15. M'Backe 16. Linguere
FLEUVE	17. Dagana 18. Podor 19. Matam
ORIENTAL	20. Bakel 21. Tambacounda 22. Kedougou
KOLDA	23. Velingara 24. Kolda 25. Sedhiou
BIGNONA	26. Bignona 27. Ziguinchor 28. Oussouye

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Figure 9  
(2.6)

