



Lagos, Nigeria, 13-20 May 1969

COUNTRY REPORT



1.0 DEMOGRAPHIC DATA

1.1 Estimated population (July 1969)

Age	
0-4	921 400
5-14	1 223 200
15-44	1 768 900
45+	751 600
TOTAL	4 485 100

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>18</u>
	Maintenance teams	<u>-</u>
	Other (Specify)	<u>-</u>
	TOTAL	<u>18</u>
	Other field staff, including recorders, drivers, etc.	<u>8</u>
	Supervisory personnel (paramedical)	<u>3</u>

- 4.2 Number of vaccinators directly supervised by one supervisor 3

- 4.3 Average number of vaccinations performed daily by each team:

Regular teams	<u>1 000</u>
Maintenance teams	<u>-</u>
Other (specify)	<u>-</u>

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: 30 days per mo.

Other levels: 5 days per mo.

By advisory staff reviewing work of -

Vaccination team: 10 days per mo.

Other levels: - days per mo.

5.1.2 Measures taken when vaccinator or assessor performance is unsatisfactory

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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% Not applicable to date in Mali

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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.) Revaccination

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

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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) 42

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

0 %

Best estimate of the percentage of cases which are reported:

	January 1967	February 1969
More than 90%	_____	<u>X</u>
75-89%	<u>X</u>	_____
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 1

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:	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					
1967	1 300 000	75 000		1 318 212	
<u>Smallpox vaccine</u> 1968	286 800	329 000		1 560 029	
1969*	0	170 000		25 089	
1967	300 000	22 000		325 957	
<u>Measles vaccine</u> 1968	400 000	115 200		294 408	
1969*	100 000	184 000		16 843	

\* January and February only Surplus vaccine sent to other countries in the programme

6.2 Equipment:

<u>Item</u>	<u>Number Supplied</u> *	<u>Number in Operation</u>	<u>Comment</u>
Trucks	7	6	
Ped-o-Jets	55	52	
Refrigerators	15	8	
Motorbikes	7	4	

\* Since inception of the programme.

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











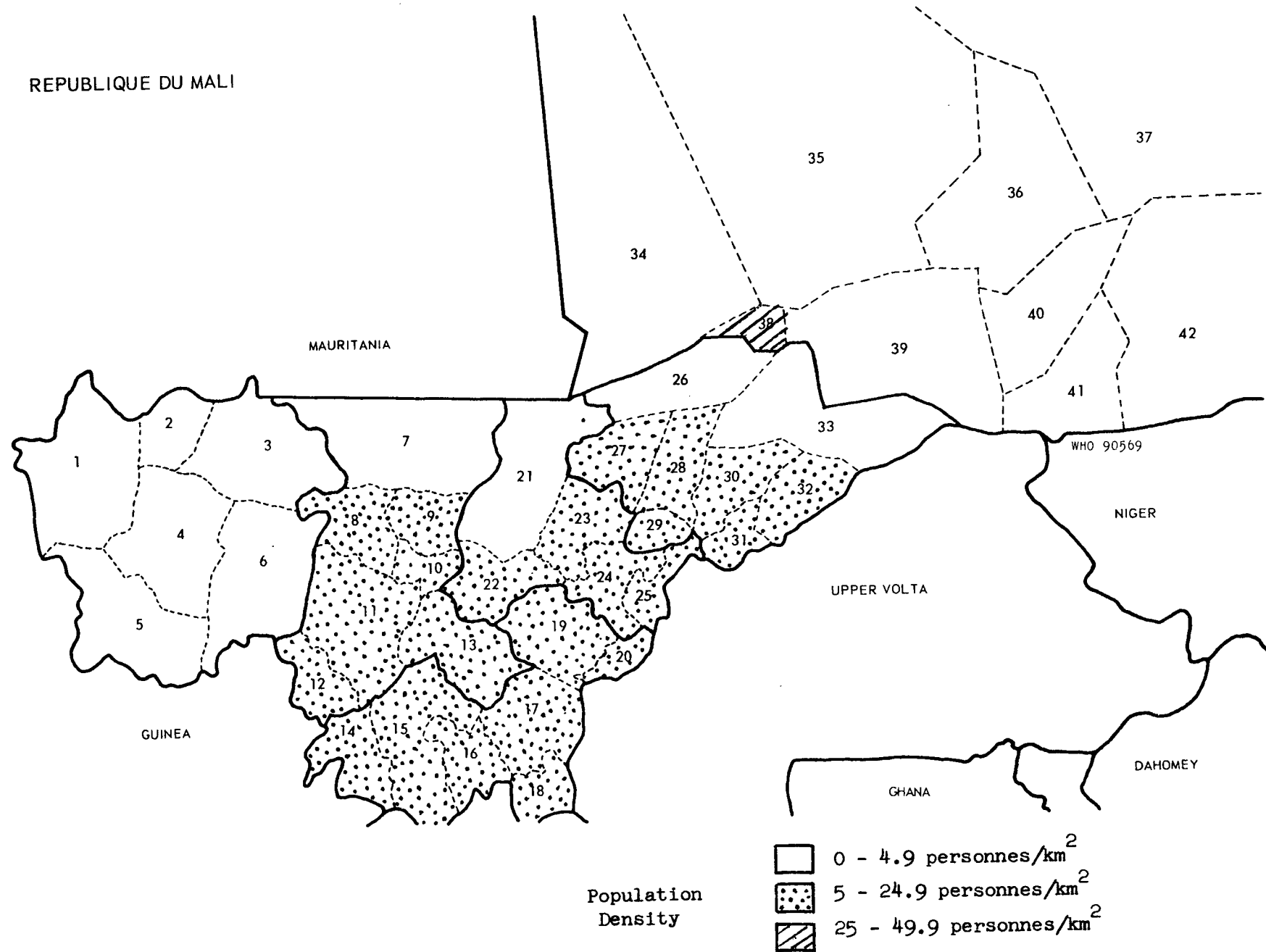


TABLEAU 6. CAS DE ROUGEOLE DECLARES DE JANVIER 1968 JUSQU'A FEVRIER 1969 COMPRIS  
TABLE 6. REPORTED MEASLES CASES JANUARY 1968 (THROUGH FEBRUARY 1969)

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
Segou	82	144	311	154	217	195	245	136		179	190				
Kayes	23	28	161	169	135	61	49	301		520	226				
Bamako	363	577	391	910	041	901	297	623		675	890				
Sikasso	58	167	189	137	206	47	325	190		97	445				
MoPt i	63	979	606	775	633	312	305	181		198	437				
Gao	518	1 001	1 503	1 184	761	118	93	-		1	17				
		/	/	/		/									
Total	1 107	3 551	3 111	3 335	2 294	1 698	1 315	1 431	-	1 670	2 205				



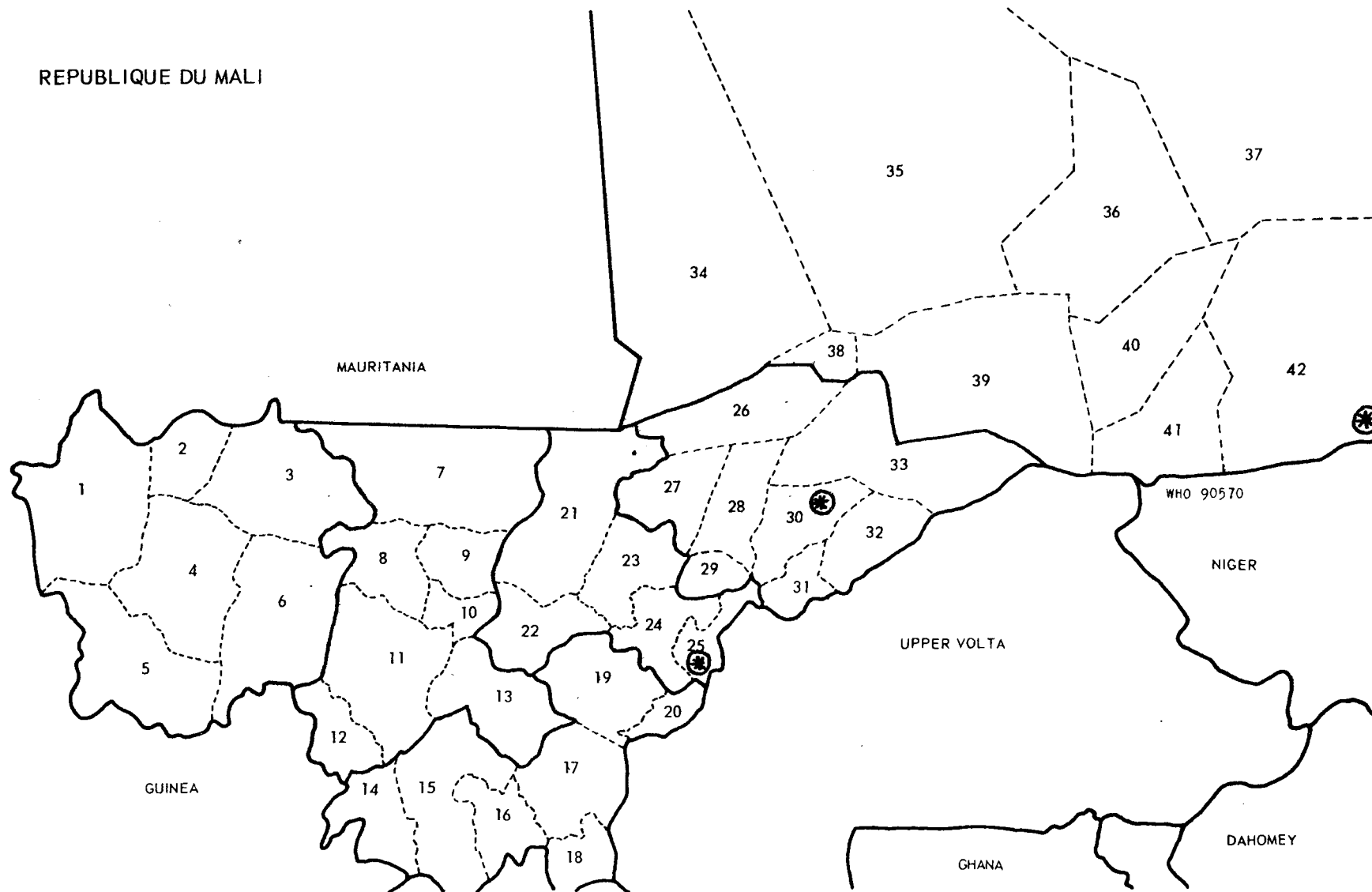
FIGURE 1  
(1.4)



## LEGEND

REGION	CERCLE
KAYES	1. Kayes 2. Yelimane 3. Nioro 4. Bafoulable 5. Kenieba 6. Kita
BAMAKO	7. Nara 8. Kolokani 9. Banamba 10. Koulikoro 11. Bamako 12. Kangaba 13. Dioila
SIKASSO	14. Yanfolilla 15. Bougouni 16. Kolon-Dieba 17. Sikasso 18. Kadiolo 19. Koutiala 20. Yorosso
SEGOU	21. Niono 22. Segou 23. Macina 24. San 25. Tominian
MOPTI	26. Niafounke 27. Tenenkou 28. Mopti 29. Djenne 30. Bandiagara 31. Bankass 32. Koro 33. Douentza
GAO	34. Goundam 35. Timbuctoo 36. Bourem 37. Kidal 38. Dire 39. Gourma-Rharous 40. Gao 41. Ansongo 42. Menaka

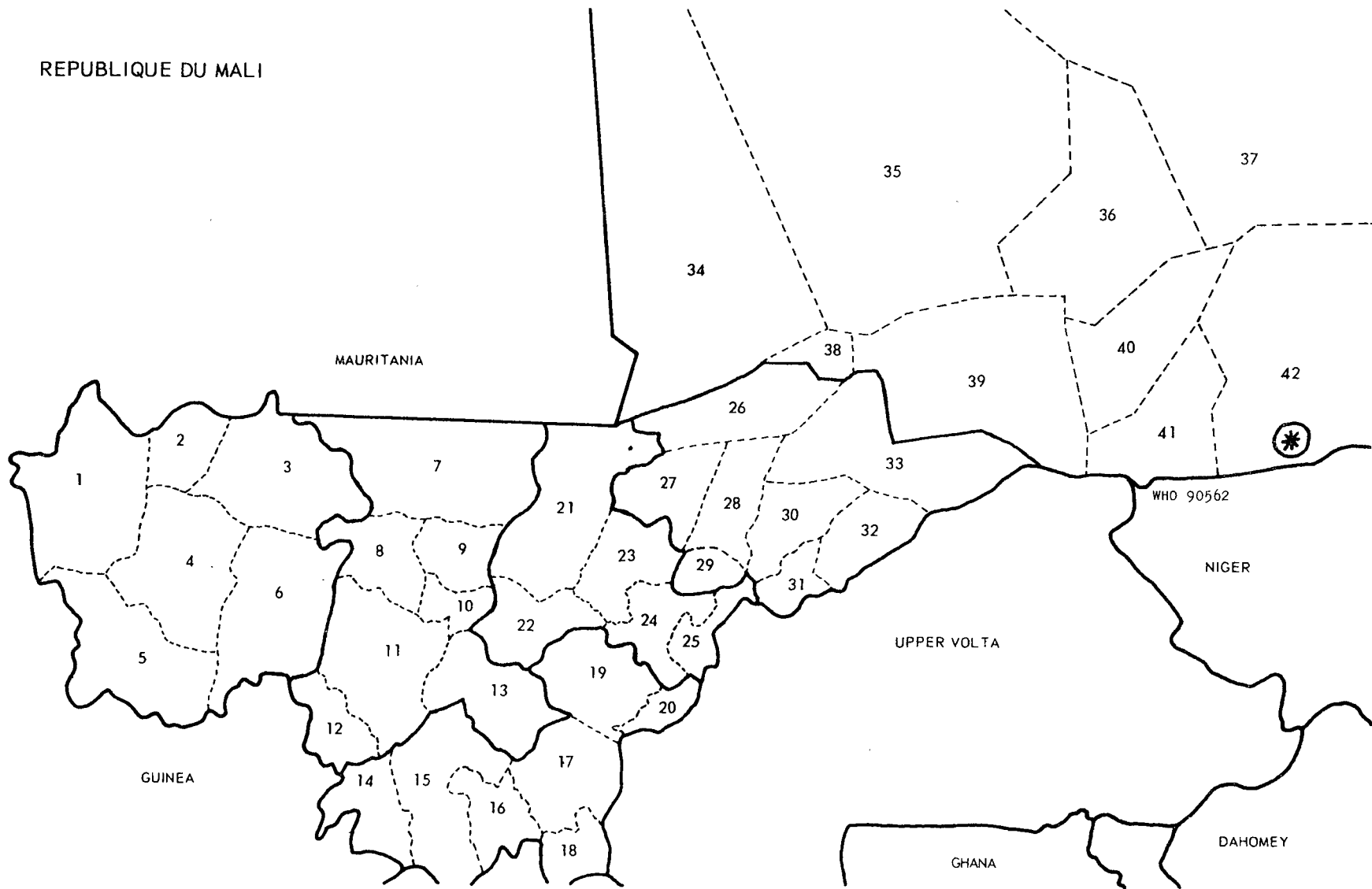
FIGURE 2  
(2.2)



Octobre - Décembre 1968

☼ Poussée ayant fait d'objet d'une enquête

FIGURE 3  
(2.2)

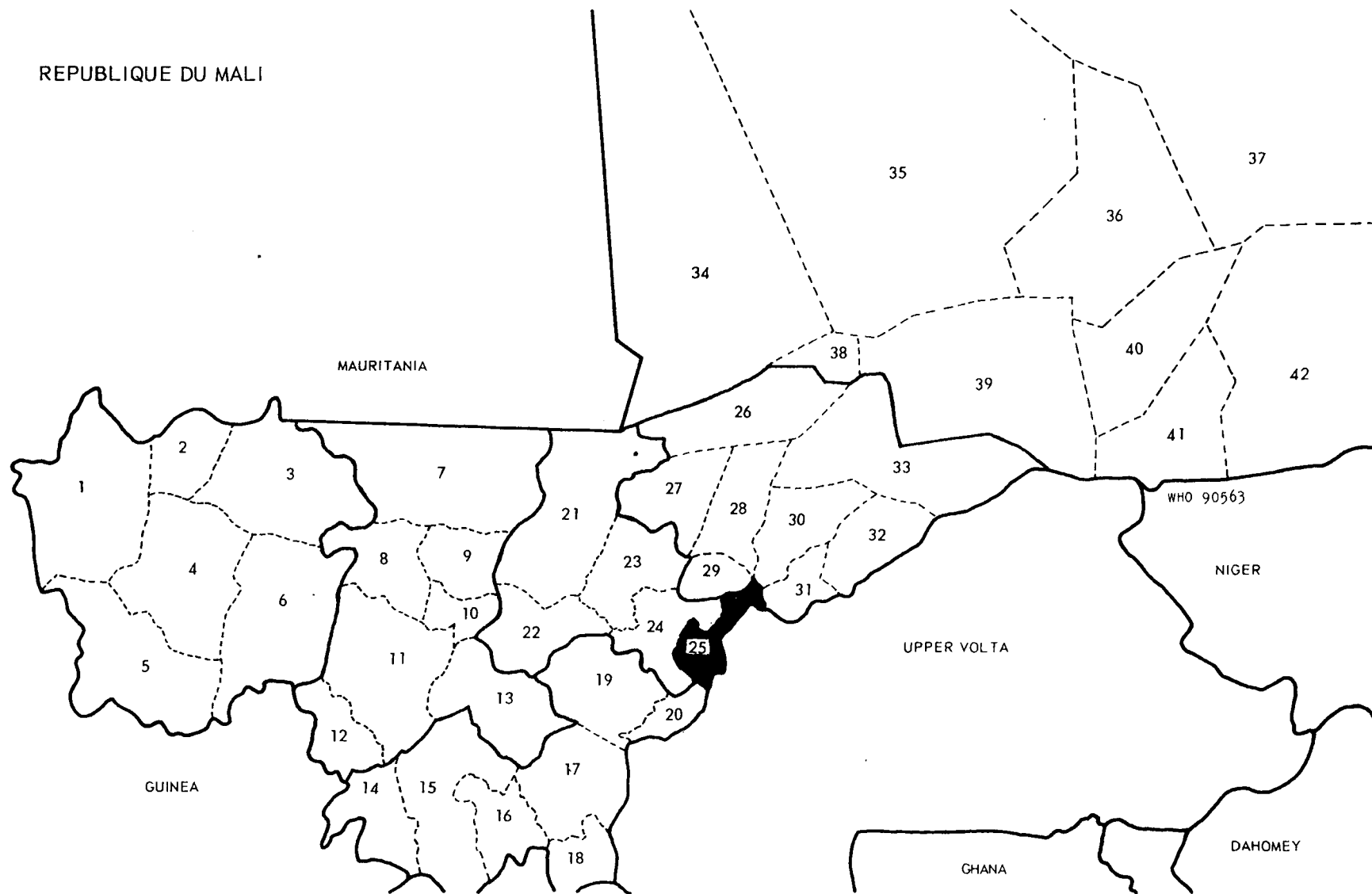


Janvier - Février 1969

☼ Poussée ayant fait d'objet d'une enquête



FIGURE 4  
(2.3)



Janvier - Mai 1968

□ Néant  
■ 5+

FIGURE 5  
(2.3)

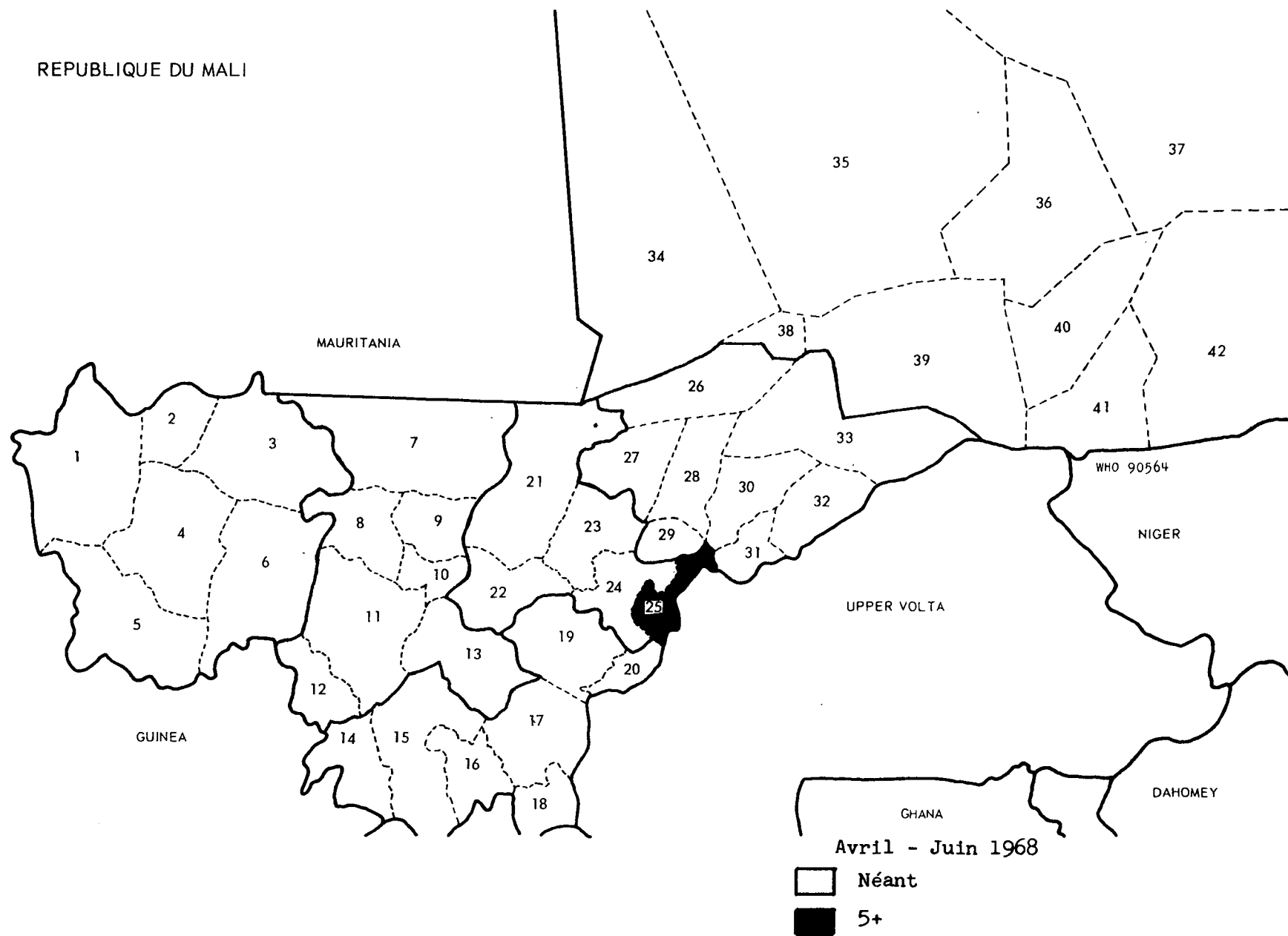


FIGURE 6  
(2.3)

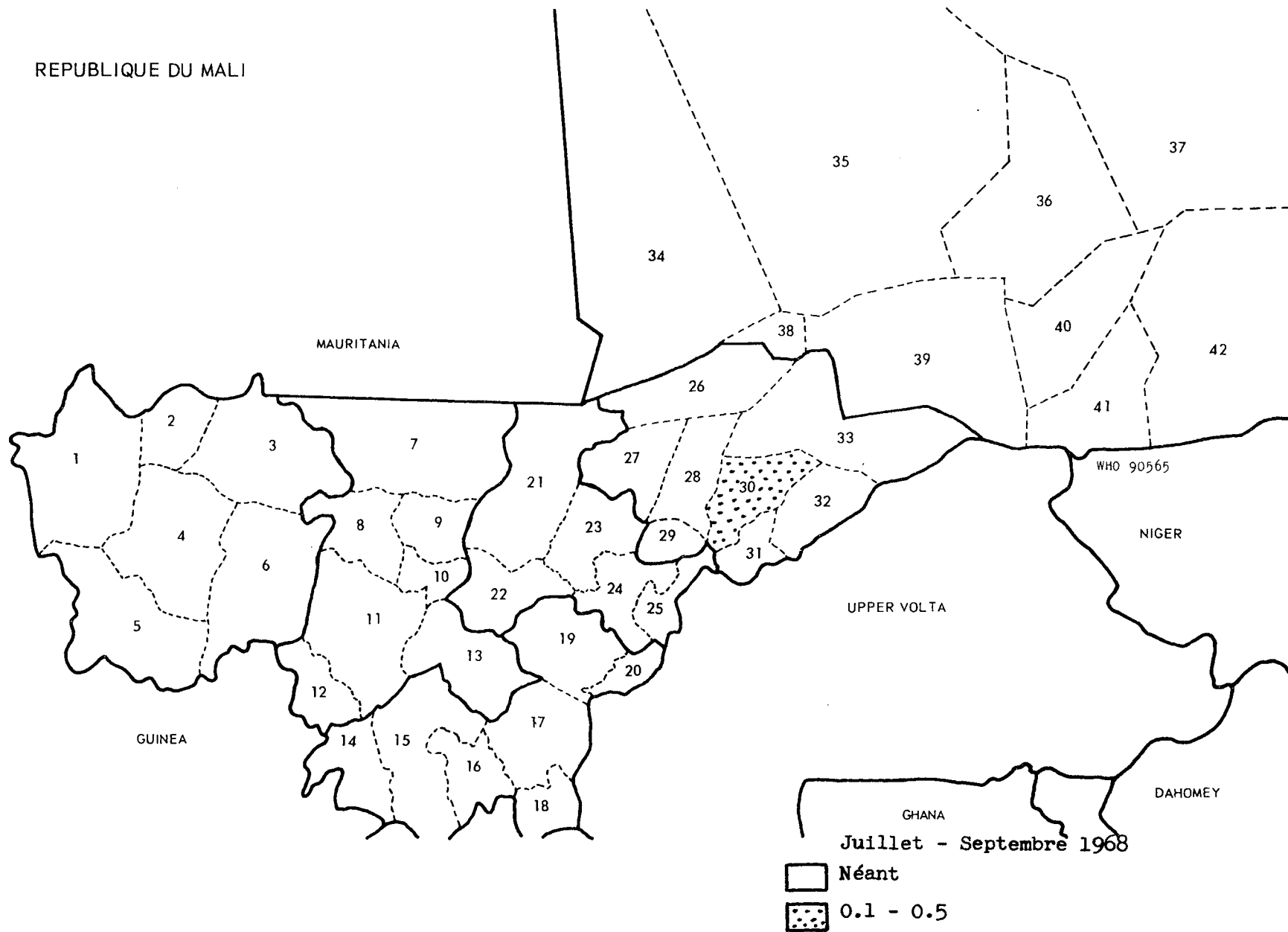


FIGURE 8  
(2.3)

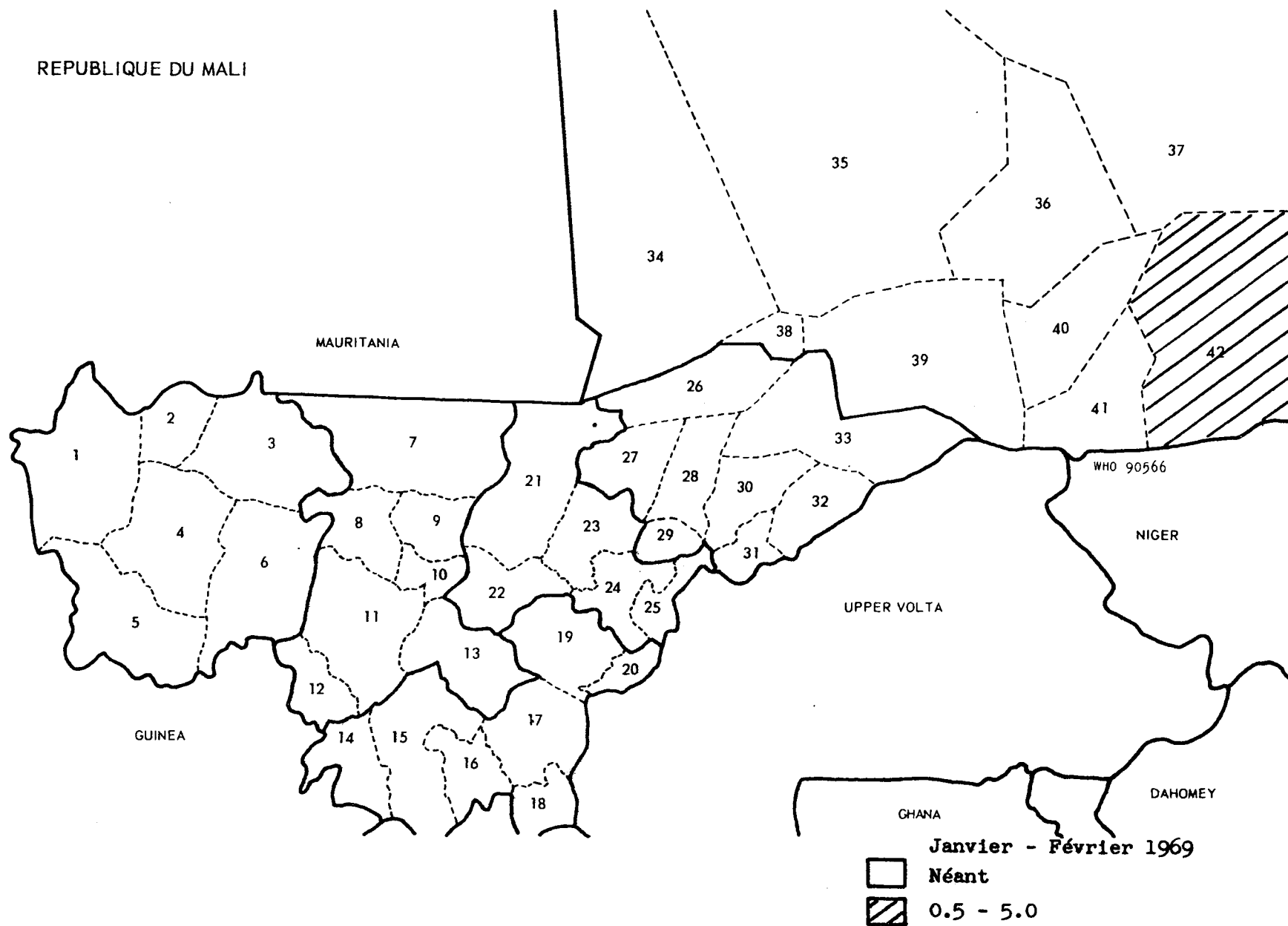


FIGURE 9  
(2.6)

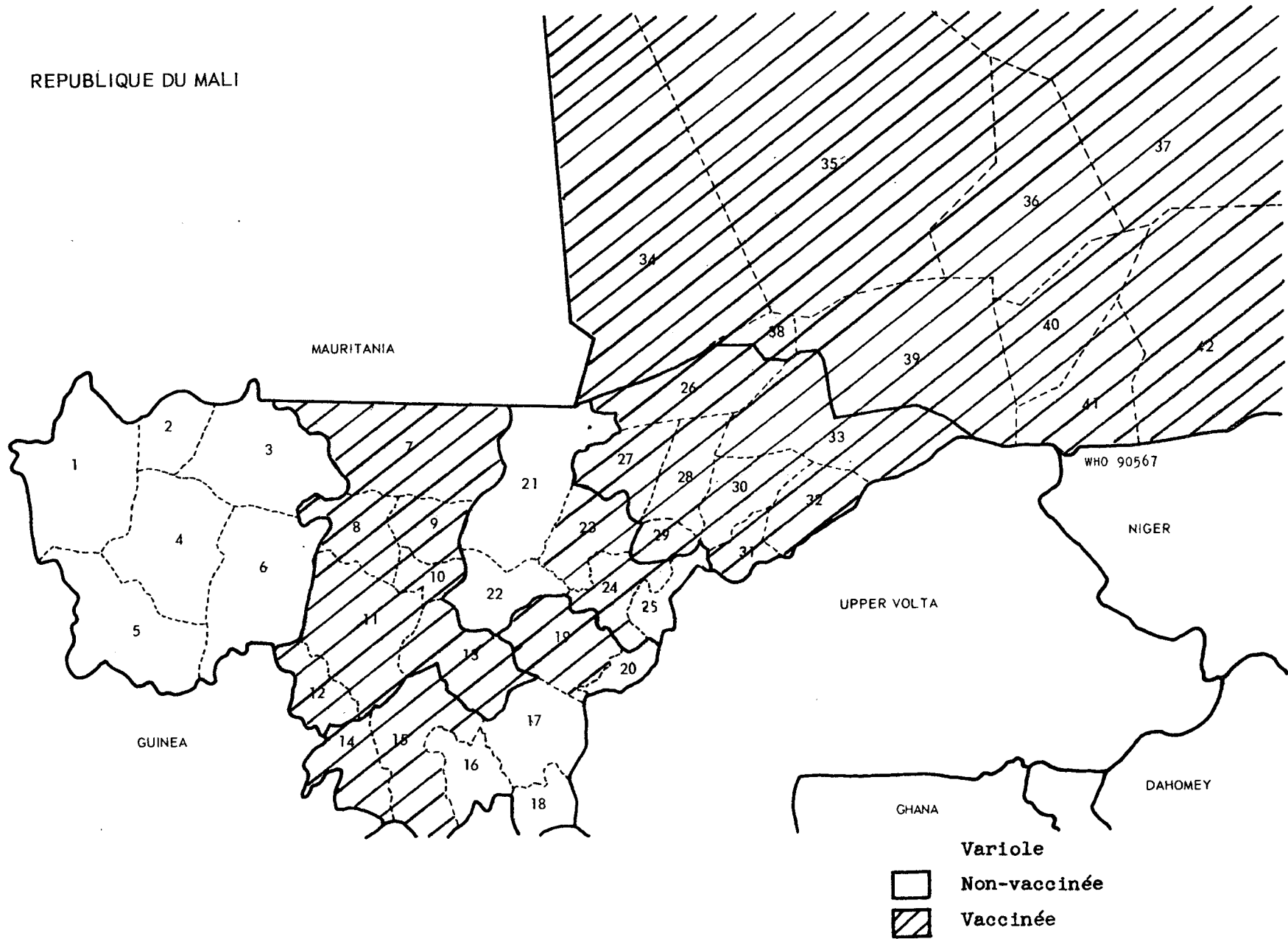


FIGURE 10  
(3.3)

