## WORLD HEALTH ORGANIZATION

## ORGANISATION MONDIALE DE LA SANTÉ

		STAT	rus of smallpo	X ERADICATION	N ACTIVITI	ES	·
					COUNTRY		O THE PARTY OF THE
1.	Demograph Estimated	hic data d population (196	<u>66</u> )			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 302 5
		Age	Male	Female		Total	
		0-4 5-14 15 and over Total					
1.2	Populati	on dispersion					
		ulation in metrulation in citi			0	·	No. of cities
		ulation in citi					
	Total				•	<del></del>	A
1.3	Accessib	ility of popula	tion				
	1.3.1.	Approximate pe	rcentage of po	opulation whi	ch can be	reached b	y:
		· a.	vehicles	•	<u>%</u>	*	
		b.	water transp		<i>1</i> 6		
	w.e		only on foot bicycle		%		
	1.3.2.	Proportion of	population wh	ich is nomadi	с		_%
	1.3.3.	Approximate pr	cause of reli	gious or othe	r reasons		gs g
		By what means	can objection	s in these gr	oups be o	rercome?	

1.4 Other population or demographic characteristics which may significantly impede or assist a vaccination programme.

SE/67.7

2.	Smallpox incidence and vaccination data						
2.1 2.2 2.3 2.4	Annual smallpox incidence by Province/State (1948 - 1966)(Table 1)  Monthly smallpox incidence (1960 - 1966) (Table 2)  Smallpox cases by age, sex, and vaccination status (1966) (Table 3)  Vaccinations performed by Province/State (1965 - 1967) (Table 4)						
3.	Vaccine						
3.1	Is any liquid vaccine still being used?						
	App	proximate amount (or proportion) used in 1966					
		in 1967					
<b>3.</b> 2	Freeze-d	ried vaccine					
	3.2.1. Source						
	3.2.2.	Did any of the vaccine used in 1966 or 1967 fail to meet WHO standards of potency (titre of greater than 10 <sup>8</sup> pock forming units/ml?  What proportion used in 1966/1967 failed to meet these standards?					
	3.2.3.	Did any of the vaccine used in 1966 or 1967 fail to meet WHO standards regarding stability? (Titre of greater than 10 <sup>8</sup> pock forming units/ml after 30 days at 37°C)? What proportion used in 1966/1967 failed to meet these standards?					
<b>3.</b> 3	Vaccine	storage					
	3.3.1.	If vaccine from abroad, have procedures been established with Customs Officials to assure immediate refrigeration of vaccine upon its arrival?					
	3.3.2.	Is all vaccine at the central depot continuously stored at less than 10°C?					
	3.3.3.	Are there refrigeration facilities at all peripheral distribution points to permit storage at less than 10°C?					
	3.3.4.	What is maximum total length of time that vaccine is without refrigeration prior to administration?  Does this ever exceed 30 days?					

		3 -					
4.	Vaccinat	ion activities					
4.1	Vaccination activities  Please attach an organogramme of the programme and its relationships within the Ministry of Health.						
4.2	Please p	Please provide a succinct outline of the general strategy of the national smallpox eradication programme indicating the phase in which your country presently is. (See attached Table 5)					
4.3	Organiza	tion of vaccination effort:					
	4.3.1.	Personnel presently engaged in vaccination activity:					
		Vaccinators					
		Other field staff, including recorders, drivers, etc.					
		Supervisory personnel (including medical officers)					
	4.3.2.	Brief description of organization of vaccination effort (collecting point vaccination or house-to-house coverage; vaccinators working singly, in pairs or as teams; etc.)					
	4.3.3. 4.3.4.	Number of vaccinators directly supervised by one supervisor					
4.4	Techniqu	e of vaccination used:					
	4.4.1.	Method					
		Multiple pressure Percent performed by this method					
		Scratch Percent performed by this method Other (specify) Percent performed by this method					
	4.4.2.						
	4.4.2.	Usual preparation of vaccination site (i.e. water, nothing, etc.)					
	4.4.3.	Instrument used for vaccination					
		Method of sterilization of instrument					
4.5		stituted vaccine ever used subsequent to the day on which it is onstituted?Under what circumstances?					
4.6		For recording of vaccinations (please attach sample of sheets used ording of vaccinations)					
	e.	Tally sheet (vaccinees recorded only by age, sex, primary or revaccination)  Family register (head of household only recorded)  Household roster (name of each individual recorded)					

4.7	Age of beginning vaccination		
	Birth		
	3 months		
	Other		
4.8	Contraindications to vaccination other than severe, acute il	lness	•
4.9	Special techniques employed for vaccination of particularly such as nomads, "floating populations", etc.	dif <b>ficult</b> gr	roups
		•	
4.10	Special activities related to publicity and education of the (please attach samples of most effective posters, pamphlets,		

5•	Programm	<u>e</u>	Contraction Contra
5.1	Supervis	ion	
	5.1.1.	What proportion of time is spent in the fichecking directly on the work of vaccinate supervisors with regard to performance in vaccination schedules and proportion of stachieved.	ors and lower level fulfillment of planned uccessful vaccinations
		a. By staff at District level	<u></u>
		b. By staff at State/Province level	
		c. By staff at National level	Jo
	5.1.2.	What measures are taken in the instance o	f unsatisfactory performance?
5.2	Assessme	ent	
	5.2.1.	Vaccine "take rates"	
		What proportion of vaccinations are check takes?  If, for example, the proportion of succes falls below 90 or 95% what steps are take of the problem and to correct it?	sful primary vaccinations
	5.2.2.	Vaccination coverage	
		Is assessment of coverage achieved perfor or on a sample only?  15 85% in specific population segments, such or in "floating populations", what steps revaccination in the area?	coverage is less than perhaps a as those under 5 years

5	.3	Surveillance

5.3.1.	Noti	fication of cases
5.3	.1.1.	Notification sites
		How many notification sites exist in the country?
	a.	Health units (i.e. hospitals, health centres, dispensaries or health posts)
	b.	Medical practitioners
		many report regularly (at least monthly) whether or not smallpox s were observed?
		cases regularly reported by other specialized programmes, such as ria, yaws, etc. (please specify mechanism for reporting)
		reports of cases requested from teachers, village headsmen, etc? steps are taken to verify these reports?
5.3	5.1.2.	Is the age, sex and vaccination status of each case recorded?
5.3	5.1.3.	What is your best estimate of the percentage of cases which are reported:
		More than 90%
		75 - 90%
		50 - 75%
		less than 50%
5.3.2.	Con	tainment measures

Are cases routinely investigated to determine the origin of infection?

In what proportion of cases was containment action (verification, vaccination, isolation, etc.) taken within 48 hours after notification?

(Please elaborate as to usual procedures)

	Are those concerned with smallpox activities immediately notified and responsible for analysis of all smallpox reports, or is this function performed elsewhere in the health structure (specify)
5.4	Legislative provisions
	Is vaccination compulsory?
	Is this routinely enforced: at the time of birth
	at the time of school entry
	at the time of hospital admission
	other (specify)
	· ·
	Is isolation of cases enforced through the time when all scabs have separated?

6.	Administration and planning	-			
6.1	Budget	1966	1967	<u>1968</u> *	<u>1969</u> *
	Personnel		entumente	Websterdown	-
	Travel subsistence	<del>4</del>	This party are and a second	****	<u> </u>
	Transport		de la company	<b>QUOTING AND AND AND AND AND AND AND AND AND AND</b>	
	Local costs (petrol, oil, lubricants, maintenance)	**********		<del></del>	-
	Other costs			***********	
	TOTAL	-	******		
	** * Best estimate				
6.2	<u>Personnel</u>	1966	1967	1968	1969
	No. of vaccinators or no. in vaccination team				
	Other staff		<del></del>	·	
	TOTAL	Charles of the Charles			
6.3	Projections for the future	<u> 1967</u>	1968	1969	<u> 1970</u>
	Population to be vaccinated			<del></del>	<del></del>
	Vaccine requirements from: external sources national production		**********		***********
6.4	In what year do you expect t	he last end	demic cases of	smallpox in you	ır

country?

2.1 Annual Smallpox Incidence

TABLE 1 (1948-1966 annual figures)

		the control of the co
	1966	
	1964 1965	
	1963	
	1965	
	1961	
	1960	
	1959	
cases	1958	
of	1957	
Number	9561	
R	1955	
	1954	
	1953	
	1952	
	1951	
	1949 1950	
	1948	
Province/State		TOTAL

	Country										TOTAL
	YEAR	Weeks	1960	1961	1962	1963	1964	1965	9961	1967	
	Jan.	1-4								-	:
	Feb.	5-8									
Tak	Mar.	9-12		<del>-</del>		- <del></del>		- <del></del>			
Table 2 - Smallpox Incidence on monthly basis	April	13-16								_	
Smallpo	May	17-20			`						
x Incide	June	21-54			··		·				
ence on		25-28						` .			
monthly	July	29-35									
basis	Aug.	23-36		<del></del>							
	Sept.	27-40									
	Oct.	41-45									
•	Nov.	64-94									
	Dec.	50-53									
	٥.										
-	Total								<del></del>		
										•	

	1	e e e		- ·						
γν			e exposure	Unknown	-					i
Country	<b>\$</b>		No. vaccinated before exposure	Not vac.						
	ng 1966.	:	No. vac	Vac.				II ka		
	box if there were no smallpox cases during 1966.	OM STATUS		. 50					P	• • • • • • • • • • • • • • • • • • •
	small	INATI					·	···		
	were no	AND VACC		Total		-			w 110	
	t if there	AGE AND SEX, AND VACCINATION STATUS	of cases	Unknown						
			Number of	Female						-
	] Check this	SMALLPOX CASES BY		Male						
	H	II. SMALL	Age	Group	<1	1-4	5-14	15+	Unknown	TOTAL

If detailed information is not available for all cases, complete so far as possible.

TABLE 4

VACCINATIONS PERFORMED (1)

	Total		
1967 <sup>(2)</sup>	Revacc- ination		
15	Primary Vaccin- ation		
	Total		
1966	Revacc- ination	·	
	Primary Vaccin- ation		
	Total		
1965	Primary Revacc- Vaccin-ination ation		
	Primary Vaccin- ation		
Population Density			
Population (estimate for 1966)			
Province/State Population (or major admini- (estimate strative area) for 1966)		·	TOTAL

(1) If data regarding primary and revaccinations are not specifically available, please provide information as to total vaccinations performed.

(2) January through June

R	`
TARLE	

MAINTENANCE PHASE (PHASE 3)	Areas free from endemic smallpox for more than two years but geographically situated in an endemic continental area, presently Africa, Asia or South America.	Continuing maintenance vaccination	Extension of case detection system to assure reporting of all suspect smallpox in all segments of the population.  Field Investigation  Each case investigated promptly as an emergency by a competent epidemiologist.	Specimens studied from every suspect case.	Vaccination and observation of case case contacts. Isolation of cases and appropriate disinfection. Localized, intensive vaccination in community.
CONSOLIDATION PHASE (PHASE 2) MAINTE	Areas with an incidence of smallpox Areas from of less than 5 cases per 100 000 for more and in which over 80% of all segments of the population show scars endemic of primary vaccination.  America.	Continuing maintenance vaccination Contin	Extension of case detection system to assure reporting of all suspect to assure remaining of all suspect smallpox in population.  Field Investigation and cutbreaks promptly to asserd investigated epidemiologically to establish source of infection and unreported cases. Investigation forms submitted for every case.	Specimens studied from all Specimens isolated cases and representative samples from each outbreak.	Vaccination and observation of case o cases and appropriate disinfect-cases ion. Localized, intensive in community.
ATTACK PHASE (PHASE 1)	Endemic areas with an incidence of smallpox of 5 or more cases per 100 000 population per year and with less than 80% of all segments of the population showing scars of primary vaccination.	Systematic mass vaccination	Reporting Establish prompt and regular reporting of small- pox by existing health facilities.  Field Investigation Investigation of major outbreaks or outbreaks or outbreaks free areas.	Establish techniques and methods for the submission and examination of specimens for confirmation of diagnosis.	Localized, intensive vaccination in community where cases or outbreaks occur. Isolation of cases if feasible.
•	DEFINITION	VACCINATION	SURVEILLANCE	LABORATORY	CONTAINMENT
ı	_	ACTIVITIES			