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REPORT ON FACIAL POCKMARK AND
VACCINATION SCAR SURVEYS

INDEXED

SOUTHERN RHODESIA

February to April 1978

(Submitted by Government Health Services)

and

SUMMARY OF RESULTS OF
SPECIMEN TESTING BY WHO REFERENCE LABORATORY



Following the recommendation made during the visit of the two WHO consultants in January 1978, pockmark and vaccination scar surveys were implemented.

Surveys were conducted in all five provinces. A total of 97 576 people were examined including 40 781 in the 0-6 years age-group. No children in this age-group were found with facial pockmarks and of the 39 people over seven years old with pockmarks none reported their illness as being more recent than 1966. The vaccination coverage averages 82% in the 0-6 years age-group and 95% in older persons.

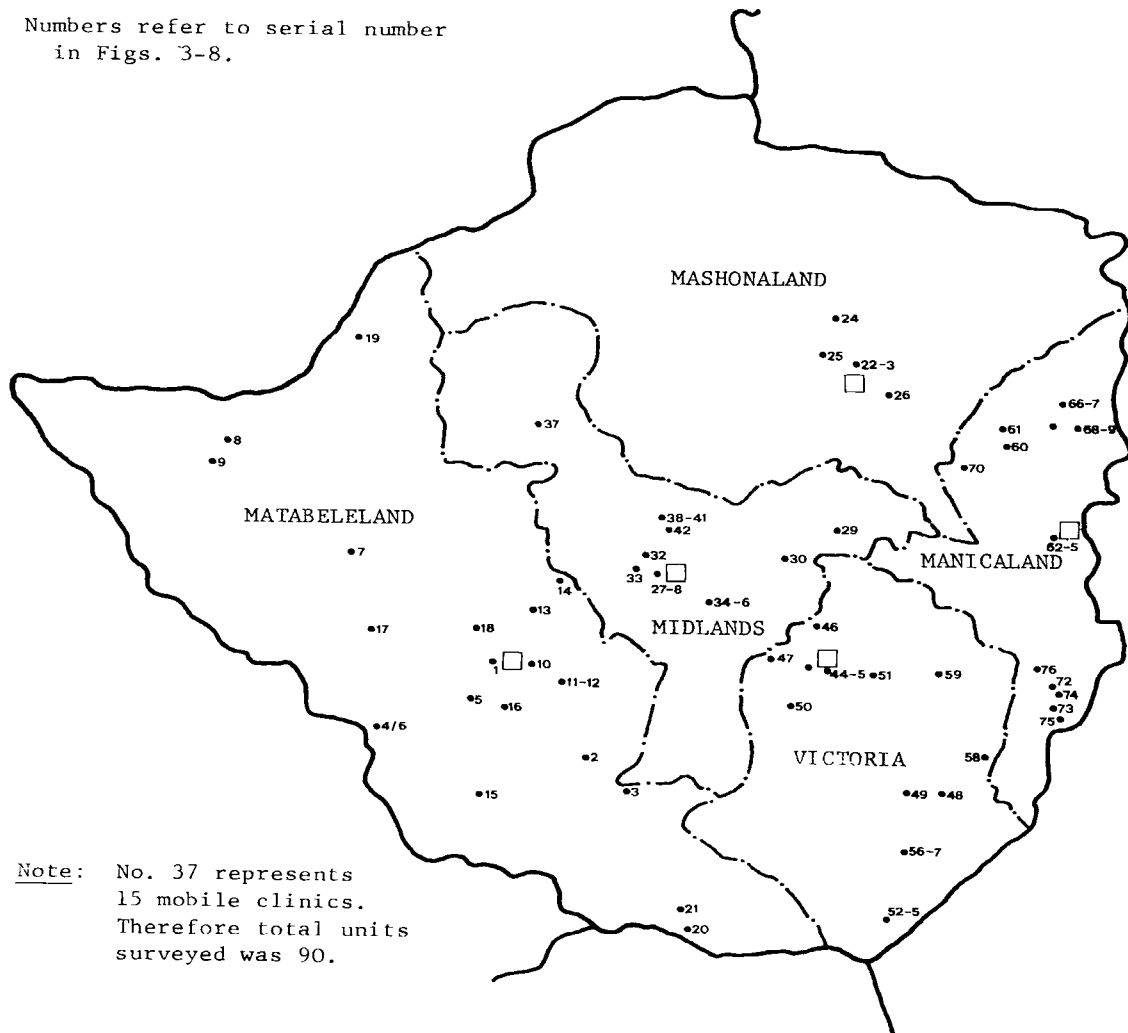
The full results of the surveys are detailed in the following pages.

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FIG. 1. LOCALITIES WHERE POCKMARK AND VACCINATION SCAR SURVEYS CONDUCTED
February to April 1978

Numbers refer to serial number
in Figs. 3-8.



Note: No. 37 represents
15 mobile clinics.
Therefore total units
surveyed was 90.

FIG. 2. SUMMARY OF RESULTS OF POCKMARK AND VACCINATION SCAR SURVEYS, FEBRUARY TO APRIL 1978

Province	No. of districts in which survey conducted	No. of localities surveyed	No. of persons examined			No. with pockmarks			If pockmarks date of illness			Percentage with vaccination scar		
			0-6 years	7-14 years	14+	0-6 years	7-14 years	14+	0-6 years	7-14 years	14+	0-6 years	7-14 years	14+
Matabeleland	11	20	7 397	1 679	282	0	0	2	-	-	1953 1926	89.3	83.9	86.9
Manicaland	4	17	1 759	7 180	1 944	0	1	9	-	1966	1933 to 1961	73.5	97.8	95.3
Midlands	5	30 ^a	6 974	2 612	5 237	0	0	1	-	-	Before 1940	54.5	84.2	88.0
Mashonaland	3	3	305	1 341	83	0	1	0	-	1966	-	-	-	-
Victoria	8	17	5 161	10 689	2 528	0	0	1	-	-	1935	-	-	-
Salisbury City	-	2	717	303	248	0	1	3	-	1966	1939 1941 1966	47.7	97.4	68.5
Bulawayo City	-	1	18 468	12 365	10 304	0	0	20			All before 1956	92.0	97.4	98.8
Total	31	90	40 781	36 169	20 626	0	3 ^b	36 ^b				82.2 ^c	95.3 ^c	94.7 ^c

^a Includes 15 mobile clinics.

^b Of the total 39 at least 10 had illness outside Rhodesia.

^c Mashonaland and Victoria excluded.

FIG. 3. POCKMARK AND SCAR SURVEY: FEBRUARY 1978
BULAWAYO CITY^a (MANICALAND)

Age-group	No. of persons examined	No. with pockmark	If pockmark date of illness	No. with no vaccination scar
Children 0-7	18 468	Nil		1 475
Children 7-14	12 365	Nil		317
Adults 14 years and above	10 304	20	1 in 1949 (Malawi) 1 in 1946 (Rhodesia) 1 in 1950 (Zambia) 1 +/- 30 years ago (Binga) 1 in 1956 } South Africa 1 in 1954 } 1 in Malawi in 1936 13 adults afflicted as children, dates not known	121

^a No. 1 in Fig. 1.

FIG. 4. POCKMARK AND SCAR SURVEY

MATABELELAND PROVINCE

Serial No. ^a	District		No. of persons examined			No. with pockmarks			If pockmarks date of illness			No. with no vaccination scar		
			0-7 years	7-14 years	14 years and over	0-7 years	7-14 years	14 years and over	0-7 years	7-14 years	14 years and over	0-7 years	7-14 years	14 years and over
2	Gwanda	PMOH TTL Clinic	617	-	-	-	-	-	-	-	-	39	-	-
3	Gwanda	West Nicholson Clinic	417	-	-	-	-	-	-	-	-	-	-	-
4	Plumtree	Plumtree Rural Council Clinic	168	-	-	-	-	-	-	-	-	136	-	-
5	Plumtree	Figtree Rural Council Clinic	117	-	-	-	-	-	-	-	-	7	-	-
6	Plumtree	PMOH TTL Clinic	489	-	-	-	-	-	-	-	-	4	-	-
7	Lupane	Swaai Rural Council Clinic	115	-	-	-	-	-	-	-	-	2	-	-
8	Wankie	PMOH TTL Clinic	717	-	-	-	-	-	-	-	-	9	-	-
9	Wankie	Wankie Colliery Clinic	1 185	-	-	-	-	1	-	-	1953	-	-	-
10	Bulawayo	Bulawayo East R/ Council Clinic	101	225	52	-	-	-	-	-	-	48	30	15
11	Essexvale	PMOH Rural Clinics and Schools	538	-	-	-	-	-	-	-	-	12	-	-
12	Essexvale	PMOH TTL Clinics	230	-	-	-	-	-	-	-	-	25	-	-
13	Bubi	Nyathini Clinic	168	-	-	-	-	-	-	-	-	136	-	-
14	Bubi	Shangani Mine Clinic	37	114	100	-	-	-	-	-	-	15	8	-
15	Kezi	Antelope Hospital	15	8	22	-	-	1	-	-	1926	-	-	-
16	Kezi	Matopo Rural Hospital	359	-	-	-	-	-	-	-	-	7	-	-
17	Tjolutjo	Tjolutjo Hospital	224	-	-	-	-	-	-	-	-	16	-	-
18	Tjolutjo	Nyamandhlovu Hospital	298	-	-	-	-	-	-	-	-	8	-	-
19	Binga	Binga Hospital and TTL Clinics	678	-	-	-	-	-	-	-	-	14	-	-
20	Beit Bridge	Beit Bridge Urban	373	44	57	-	-	-	-	-	-	241	13	2
21	Beit Bridge	PMOH District	496	1 283	51	-	-	-	-	-	-	72	219	20

^a Refers to numbers in Fig. 1.

FIG. 5. POCKMARK AND SCAR SURVEY

MASHONALAND PROVINCE

Serial No. ^a	District	Locality	No. of persons examined			No. with pockmarks			If pockmarks date of illness			No. with no vaccination scar		
			0-7 years	7-14 years	14 years and over	0-7 years	7-14 years	14 years and over	0-7 years	7-14 years	14 years and over	0-7 years	7-14 years	14 years and over
22	Salisbury	Glen Novah Rutsanana Clinic	135	85	160	-	-	1	-	-	1966	45	0	65
23	Salisbury	Mufakose Clinic	582	218	88	-	1	2	-	1966	1939 1941	330	8	13
24	Mazoe	Concession Dandemere School	105	598	32	-	-	-	-	-	-	-	-	-
25	Salisbury West Rural Council Area	Mt Hampden Battlefields	100	185	37	-	1	-	-	Year 1966	-	-	-	-
26	Goromonzi	Chisawasha Mission School	100	558	14	-	-	-	-	-	-	-	-	-

^a Refers to numbers in Fig. 1.

FIG. 6. POCKMARK AND SCAR SURVEY

MIDLANDS PROVINCE

Serial No. ^a	District	Locality	No. of persons examined			No. with pockmarks			If pockmarks date of illness			No. with no vaccination scar		
			0-7 years	7-14 years	14 years and over	0-7 years	7-14 years	14 years and over	0-7 years	7-14 years	14 years and over	0-7 years	7-14 years	14 years and over
27	Gwelo	Mkoba Township Clinic	1 346	614	1 265	-	-	-	-	-	-	320	27	9
28	Gwelo	Monamatapa Clinic	2 522	1 120	1 140	-	-	1	-	-	Old woman had illness as a small girl	777	90	90
29	Enkeldoorn Umvuma	Hospitals and School	684	702	623	-	-	-	-	-	-	330	158	111
30														
31	Gwelo	Chiwunduro Clinic	174	4	168	-	-	-	-	-	-	130	-	4
32	Gwelo	Lower Gwelo and Vunga Mission Hospitals	130	-	118	-	-	-	-	-	-	112	-	5
33														
34	Selukwe	Donga, Nhena, Chekenya Clinics	401	4	422	-	-	-	-	-	-	328	-	16
35														
36														
37	Gokwe	15 Mobile Well Baby Clinics	952	10	860	-	-	-	-	-	-	772	-	40
38-41	Que Que	Loreto, Josephi, Exchange, Silabela Hospital and Clinics	363	42	303	-	-	-	-	-	-	208	30	19
42	Que Que	Rural Council Clinics	402	116	338	-	-	-	-	-	-	193	109	335

^a Refers to numbers in Fig. 1.

FIG. 7. VICTORIA PROVINCE - POCKMARK AND SCAR SURVEY

Serial No. ^a	District	Locality	Age-groups											
			No. of persons examined			No. with no pockmarks			If pockmarks date of illness			No. with no scar		
			0-7	7-14	14 plus	0-7	7-14	14 plus	0-7	7-14	14 plus	0-7	7-14	14 plus
43	Fort Victoria	Mucheke Township School	-	1 303	366	-	-	-	-	-	-	-	-	-
44	Fort Victoria	Mashaba Schools and Village	644	834	416	-	-	-	-	-	-	-	-	-
45	Fort Victoria	Mashaba School and Township	-	478	8	-	-	-	-	-	-	-	-	-
46	Fort Victoria	Mshagashi African Purchase Area	-	440	8	-	-	-	-	-	-	-	-	-
47	Victoria	Victoria Purchase Area and Mashaba Mine	914	1 997	451	-	-	1	-	-	1935 Malawi	-	-	-
48	Chiredzi	Hippo Valley Estates Schools	-	2 197	-	-	-	-	-	-	-	-	-	-
49	Chiredzi	Triangle Estates Schools	703	1 733	670	-	-	-	-	-	-	-	-	-
50	Chibi	Schools	272	708	30	-	-	-	-	-	-	-	-	-
51	Ndanga	Musiso Mission and Baby Clinic	168	140	-	-	-	-	-	-	-	-	-	-
52/53	Matibi II	Malapati and Mase	572	-	-	-	-	-	-	-	-	-	-	-
54/55	Matibi II	Mpagati, Chikombedzi, Chilonga and Chibwedziwa	498	-	-	-	-	-	-	-	-	-	-	-
56														
57														
58	Sangwe	Gudo Pools	460	-	-	-	-	-	-	-	-	-	-	-
59	Bikita	Silveira Mission	930	859	579	-	-	-	-	-	-	-	-	-

^a Refers to numbers in Fig. 1.

FIG. 8. POCKMARK AND SCAR SURVEY

MANICALAND PROVINCE

Serial No. ^a	District	Locality	No. of persons examined			No. with pockmarks			If pockmarks date of illness			No. with no vaccination scar		
			0-7 years	7-14 years	14 years and over	0-7 years	7-14 years	14 years and over	0-7 years	7-14 years	14 years and over	0-7 years	7-14 years	14 years and over
60	Rusape	Vengisi Clinic	179	47	287	-	-	-	-	-	-	111	5	22
61	Makoni Rural Council	Farming areas	313	202	374	-	-	-	-	-	-	89	1	3
62	Umtali	Matika School	-	615	-	-	-	-	-	-	-	-	-	-
63	Umtali	Kuhudzai School	-	387	-	-	-	-	-	-	-	-	20	-
64	Umtali	Chitaka School	-	132	-	-	-	-	-	-	-	-	5	-
65	Umtali	Chigodore School	-	606	-	-	1	-	-	1966 Mozambique	-	-	42	-
66	Makoni	Tandi School	92	538	-	-	-	-	-	-	-	5	6	-
67	Makoni	Mount Camel School	50	197	-	-	-	-	-	-	-	11	2	-
68	Makoni	Zuze School	49	234	-	-	-	-	-	-	-	5	9	-
69	Makoni	St Stephen School	46	236	-	-	-	-	-	-	-	7	7	-
70	Makoni	Vengere School	180	770	-	-	-	-	-	-	-	8	24	-
71	Makoni	Chiwetu School	92	250	-	-	-	-	-	-	-	8	-	-
72	Chipinga	Chipinga Hospital	98	90	106	-	-	-	-	-	-	12	3	-
73	Chipinga	Mt Selinda Hospital	190	70	435	-	-	-	-	-	-	123	-	5
74	Chipinga	Chipinga Gaza School	91	227	10	-	-	-	-	-	-	17	16	-
75	Chipinga	Chikore Hospital	179	121	132	-	-	-	-	-	-	39	-	-
76	Chipinga	Mutema Tribal Trust Lands	200	2 458	600	-	-	9	-	-	-	31	15	61

^a Refers to numbers in Fig. 1.

FIG. 9. COMBINED RESULTS OF POCKMARK SURVEYS BY
SOUTHERN RHODESIAN HEALTH PERSONNEL^a AND WHO CONSULTANTS^b

Province	Age-group			Total
	0-6 ^c	7-15 ^c	>15 ^c	
Matabeleland	9 334 (0)	2 400 (0)	993 (9)	12 727
Manicaland	2 578 (0)	7 395 (1)	2 148 (13)	12 121
Midlands	7 897 (0)	3 036 (0)	6 031 (3)	16 964
Mashonaland	3 323 (0)	2 586 (2)	3 048 (17)	8 957
Victoria	7 084 (0)	11 750 (0)	4 040 (5)	22 874
Salisbury City	717 (0)	303 (1)	248 (3)	1 268
Bulawayo City	18 468 (0)	12 365 (0)	10 364 (20)	41 197
Total	49 401 (0)	39 835 (4)	26 872 (70)	116 108
Percentage with pockmarks	0.0	0.001	0.26	

^a Conducted February to April 1978.

^b Conducted January 1978.

^c Figures in parentheses = No. with pockmarks.

RHODESIA 1978

SUMMARY OF RESULTS OF SPECIMEN TESTING BY WHO REFERENCE LABORATORY^a

Serial No.	Province	Patient			Received	Results received from testing laboratory			
		Name or case No.	Age	Sex		EM (date)	PPT (date)	CAM (date)	Other (date)
1	Matabeleland	Jothan Nyati	15	M	7.4.78	negative 26.4.78			
2	Mashonaland	Judith Mutondi	11 months	F	7.4.78	negative 26.4.78			
3	Midlands	Vivian Manyunyire	6	F	7.4.78	Herpes V 26.4.78			
4	Mashonaland	Daniel Kuuya	38	M	7.4.78	Herpes V 26.4.78			
5	Mashonaland	Tiny Mudiriza	14	M	7.4.78	Herpes V 26.4.78			
6	Midlands	Barbara Manyunyire	9	F	7.4.78	Herpes V 26.4.78			
7	Midlands	Susan Madziva	1-1/2	F	7.4.78	negative 26.4.78			

^a Since compilation of this table an additional seven specimens have been tested and all found negative for variola virus.