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MINISTRY OF HEALTH

LEPROSY AND TUBERCULOSIS CONTROL PROGRAMME in KITUI DISTRICT

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I.INTRODUCTION

1980 is the first year a comprehensivr report can be made for the whole of the district.Up to this year reports were made by Kimangao and Lutomo mission Leprosy and tuberculosis programmes.

In Januari 1980 Dr.Kruyer was posted to Kitui to take charge for all matters concerning leprosy and tuberculosis in the district.

2.AREA

Kitui district is a large district , 31,099 sq.kms including Tsavo east national park , 24,700 sq.kms excluding Tsavo park

POPULATION

In the 1979 census 465.000 inhabitants.So on this date well over half a million.

3.MEDICAL FACILITIES

Kitui District Hospital

176 bed hospital , on average 3 docters available.

26 beds for leprosy and tuberculosis

X-ray , laboratory , and surgical facilities

personel Dr.L.Kruyer , medical officer in charge

Daniel Kioko , clinical officer tuberculosis

David Aluk , leprosy assistent

medical facilities continued

Muthale Mission Hospital

About 24 kms. from Kitui town on the road to Kwingi.

Run by Catholic mission , one resident docter , Dr.Gunst

Laboratory facilities , but AFB done by docter

Surgical facilities , no X-ray

Tuberculosis admission in isolation cubicles (2)

Muthale mission hospital cooperates very closely with the team from the district hospital and is visited every month.

Records are kept by . .D..I.

Kimangao Health Centre

Situated in Northern Kitui , run by Catholis mission.

Unfortunately there is no resident docter.

Admissions in a very well equipped leprosy and tuberculosis ward , with 12 beds , laboratory , examination room , stores offices.

Rehabilitation unit

Personel Sr.Mary of Lourdes , Sr. in charge

James Kasina , leprosy/tb assistent

Patrick Kithunga , laboratory assistent

Florence Akin , community nurse

Rose Mwasya , community nurse

medical facilities continued

Mutomo Mission Hospital

Situated in soutern division , run by Catholic mission
2 resident docters
X-ray , laboratory and surgical facilities
admission facilities in St.Martha's Unit , a 8 bed leprosy/tuberculosis ward.
Personel: Sr.Marion Dolan , docter in charge
Sr.Mary Mc.Dermott, sr.in charge leprosy/tb
Cryspus Kanuna , leprosy/tb assistent
Bernard Kanuna , assistent , laboratory technician

Gai Health Centre

Near Kyuso in northern division , run by presbyterian mission.
1 resident docter Dr.Miss G.Rietkerk
No leprosy/tuberculosis facilities as this H.C.only started operating during 1980.

After diagnosis and initial treatment at one of these 5 centres patients are discharged and referred to the nearest treatment delivery point.= 3 centres run a safari control programme and 84 treatment delivery points are visited once monthly throughout the district.

1.Kitui central safari programme (from the District Hosp.)
12 treatment delivery points , 9 in central and western
3 in eastern

2.Kimangao control programme
42 treatment delivery points, 36 in northern and near-north
6 in eastern

3.Mutomo control programme
30 treatment delivery points , 24 in southern
3 in eastern
3 in Machakos district

BEST AVAILABLE

4. VEHICLES

All 5 safari programmes are operating with one Landrover (10 seat) and one motorbike each.

PLACE	REGISTRATION NR.	YEAR OF PURCHASE	MILES TRAVELLED	CONDITION	ESTIMATED% use for leprosy/tb
Kitui	GK 981 T Landrover	1979	20.085	good	70
	GK 965 T motor bike	1979	7.392	good	99
Mutomo	KVQ 702 Landrover	1979	20.417	good	75
	KVU 495 motorbike	1980	3.599	good	100
Kimangao	KVQ 704 Landrover	1979	34.152	good	89
	KVU 617 motorbike	1979	6.094	good	94

The transport situation during 1980 was excellent.

5. TRAINING

David Aluk went for a wekk refresher course on Leprosy at Alupè Leprosy hospital in June .
Patrick M.Mitheka , from K.D.H.laboratory , attended a laboratory refresher course on skin smear staining and reading at K.T.I.C.(Mr.Edwards). This was october.

In September a 3-day seminar was held at Kitui for RURAL HEALTH STAFF on Leprosy and Tuberculosis.

Kimangao team is delivering HEALTH SEMINARS for LEADERS once monthly.These seminars are highly appriciated by most local leaders and are very effective in giving information to the general plubic. These are 1-day seminars (saturdays).
At all clinic visits HEALTH EDUCATION- is given

BEST AVAILABLE

6. DRUG SUPPLY

A new system of 3-montaly drug-supply was arranged with Mr.Edwards at K.T.I.C.This system does not operate at request but supplies in accordance with the patient-load are transported to the district at 3-monthly intervals after a reminder note from Mr.Edwards.This system is operating satisfactorily and no drug shortages were experienced after the implementation of this system.

7.BUILDINGS

Only at Kimangao new buildings were erected.

A (double) staff house was completed.

A new Tuberculosis ward was started . This new ward will not increase the number of beds as the patients are on the verandah of existing ward allready.

Due to water shortage and difficulty in finding a contractor new buildings were not yet started at Butomo.They are expected to be built in 1981.

8. LEPROSY STATISTICS

		L-cases	non L-cases	Indeterminate	TOTAL
begin 1980		395	1039	4	1438
OUT	release f. control	nil	225	3	228
	out of control	5	22		27
	transferred out	34	55		89
	died	10	3		13
	TOTAL OUT	49	305	3	357
IN	previous untreated	11	52		63
	readmitted	2	6		8
	transferred in	1	nil		1
	relapsed	nil	1		1
	TOTAL IN	14	59		73
END 1980		360	793	1	1154

SEX-DISTRIBUTION

Adult male	586	
Adult female	547	
Child male	8	(under 16)
Child female	13	" "
TOTAL	1154	

atients statistics continued

BEST AVAILABLE

CLINICAL ACTIVITY/SKIN SMEARS

	Active	Inactive	Smear done	BI.pos	FI.pos.
L-caeses	215	144	365	98	23
non L-cases	439	337	255	2	nil
TOTAL	654	481	620	100	23

SPECIFICATION OF NEW, PREVIOUS U TREATED PATIENTS

	1-14 years	15-29	30-49	50 plus	total
male	2	3	19	12	36
female	2	3	15	7	27
TOTAL	4	6	34	19	63

ESTIMATED DURATION

0-1 year	1-3	3-5	5 plus	unknown	total
4	30	21	8	nil	63

ESTIMATED HOME-CLINIC DISTANCE

0-2 miles	2-5	5-8	8 plus	unknown	total
4	13	23	19	4	63

ATTENDENCE RATES

	L-cases	non L-cases	Adult	Children	Total
over 75 percent	238	358	582	16	
50-75 "	77	311	383	5	
under 50 "	45	123	168	X	
TOTAL	360	792	1133	21	

patients statistics continued

BEST AVAILABLE

DISABILITY RATE

During 1980 a study was undertaken by the director of the Leprosy Research Centre , Dr.Ovili . All patients under registration at the beginning of 1980 were assesed by a team of 2 students , who visited the three different leprosy control programmes.

The figures , quoted from this study , are :

	Number of patients	Grade 1 and 2	Grade 3
Kimangao	520	132	48
Kitui-central	108	31	55
Mutomo	550	132	19

The high percentage in Kitui-central figures is noted.This is explained by the fact that up to 1980 there was no leprosy control programme in Kitui-central.The need to start a control programme is very well supported by these figures.

For 1980 the disability figures for new , previous untreated leprosy cases are:

	Grade 1	Grade 2	Grade 3	nil	X TOTAL
L-cases	5	4	0	2	11
non L-cases	9	2	1	40	52
TOTAL	14	6	1	42	63

DDS-RESISTANT CASES

Three Cases were suspected to be dds-resistant .Two at Mutomo and one at Kimangao.All three of them were not proven

atients statistics continued

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9. TUBERCULOSIS STATISTICS

Registration on 01-01-1980

	Adult PTB	Adult EPTB	Children PTB	Children EPTB
Kitui D.H. Mutomo Kimangao	590	35	48	38

TOTAL 711

Added should be Gai H.C. 81

TOTAL 792

Newly diagnosed during 1980

	Adult PTB	Adult EPTB	Children PTB	Children EPTB
Kitui D.H.	194	28	36	38
Mutomo	86	10	12	16
Kimangao	37	5	2	4
	317	43	50	58

TOTAL 468

Added shoulb be Gai H..? 76

TOTAL 544

Methods of diagnosing

AFB	336
X-ray	20
Mantoux	51
culture	6
biology	43
clinical	12
	468

Registratio on ~~xxx~~ 31-12 1980

	Adult PTB	Adult EPTB	Children PTB	Children EPTB
Kitui Mutomo Kimangao	641	72	73	74

TOTAL 862

Added should be Gai H.C. 101

TOTAL 963

patients statistics continued

Breakdown of additions and deductions

ADDITIONS	Adult PTB	Adult EPTB	Children PTB	Children EPTB	Total
previous untreated	194	28	36	38	468
previous treated	26	2	nil	nil	28
transferred in	40	6	9	14	69
transfers come from: Nairobi	30				
Mombasa	26				
Garissa	2				
Meru	1				
DEDUCTIONS					
discharged from treatment	234	10	20	29	293
lost sight off	55	4	10	6	75
death	43	nil	4	1	48

ATTENDENCE RATES over 75 percent : 73 percent
50-75 " : 17 "
under 50 " : 10 "

BREAKDOWN EPTB Total new cases 66

TB-adenitis 57
TB-bones 8
Tb-menigitis 3

INH RESISTANT CASES

Many cases were found during 1980

Kitui-central	15
Kimangao	11
Mutomo	18
	44

Only one case was found to be resistent to Streptomycine
All these patients pose a big health problem both to themselves an to the Health Autorities.
Second line treatment has to be started at Provincial level but Mutomo and Kimangao could be ideal admision possibilities for many of these cases

COMMENTS ON STATISTICS

A. LEPROSY

As this is the first rapport for the whole of Kitui district figures cannot be compared.
The figures available from Mutomo and Kimangao will be dealt with in a seperate report , dealing with the last 5 years.

B. TUBERCULOSIS

1-The presence of a docter , both at K.D.H. and Mutomo is of substantial support to tuberculosis case finding.

2-A nearly 100 percent increase was found in children both Ptb And E-TB. Many P.O.M. children admitted at the childrens ward at Kitui D.H. were found to be suffering from tb. To my experience only regular rounds in all wards is the method of choise , otherwise many caese will be undiagnosed.
The increase in EPTB in children is explained by active biopsy taking at Kitui D.H. (40 times)

3-Of all newly diagnosed , reviously untreated patients 296 out of 468 were diagnosed at K.D.H. (63,2 percent). After diagnosis and initial treatment many of these patients are referred to either Mutomo or Kimangao (6; and 71 respectively). It seems that patients prefer to come to K.D.H. for unknown reasons.

4-Tuberculosis survey by team of K.T.I.S.
period: 10-03-1980 till 01-08-1980
total outpatients during this period: 32,224
chronic cough (over 4 weeks) 932 (2,9 percent)

44 smear pos and culture pos.
45 smear neg and culture pos.
45 X-ray pos.

total 134 (13,2 percent)

BEST AVAILABLE

distribution list

permanent secretary, ministry of health , Nairobi
smo leprosy/tuberculosis Nairobi
pmo eastern province , Embu
moh Kitui
sr,Mary , Mutomo
sr.Mary , Kimangao
director KTIC , airobi
director KRC ,Nairobi
principal MTC , Nairobi
director AMREF ,Nairobi
dr.Owili , KNH
dr.van Dijk , Alupe leprosy hosp.
mr.Edwards , KTIC
moh Machakos
dr. in charge Muthale Hosp.
dr. in charge Gai H.C.
NSL ,the Netherlands
dr.de Rijk , medical advisor NSL
director leprosy research centre , Alupe
di.tricts comiessioner Kitui