

THE ROTARY DOCTORS SWEDEN
ACTIVITY REPORT JAN – JUNE 2017



REPORT BY:

DANIEL O. MURUKA

JACINTA K. NICASIO

In a jeep car with about four occupants, driving in silence or occasionally discussing about politics, women or radio discussion breaking the silence of a team heading to the village, some questions lingering on their mind, how many patients will turn up in today's clinic, what about if it rains before leaving the clinic, what about the cases that we will see today! The team composed of a doctor, laboratory technician, a pharmacist and a government nurse (one of the above functioned is combined with driving) heading to the village.

A group of villagers waiting, for their only hope of accessing medical services, the village volunteers and the clinic health committee who are the key persons in the program, sigh with a relief as they see the car negotiating corners to their clinic. The team is received by mothers, with the crying children on the backs and laps, malnourished, dehydrated, severely sick children with malaria. The volunteers arrange the patients, undertake registration, give health education and take a role in translation, without pay, yet very committed to the work. The Clinic health committees, manages the clinic transformation, through resource mobilization, community education. The Rotary Doctors Sweden organizes training of both the community health workers and clinic health committee, the object is hand over the project to the community and the government.

The program has enable **14,681** patients receive treatments with a diagnosis of **21,342** cases made. Over **7,272** children immunized with **1,328** receiving full immunization status. **3,304**

clients received various types of family planning services and **2,292** clients turning up for Antenatal Clinics Services. Over **6** different primary schools received health education. During our public health awareness campaigns where we give free treatments, **2,879** children treated for scabies and 496 clients treated for jiggers. **988** school children were screened and **497** treated for dental related problems.

Through the shallow wells and spring protection projects over **9,351** villagers had a possibility to access clean drinking water through spring protection and shallow well sinking.

It has been period characterized by the doctors strike and the nurses strike, the effect being increased number of patients and clients to seek services in the program.

As we address the problems of the communicable diseases, we are a live to the emerging problem of Non Communicable Diseases being a bigger health challenge in future to the developing countries of which Kenya is one of them.

Thanks to all our cooperating partners, Matungu, Mumias West, Endebess and Kwanza Sub County Health Management Team (SCHMT), to our village partners the villagers and the CHVs and the RDS local staffs and international staffs. The Rotary Doctors Sweden board and to all supporting Rotary Clubs in Sweden.

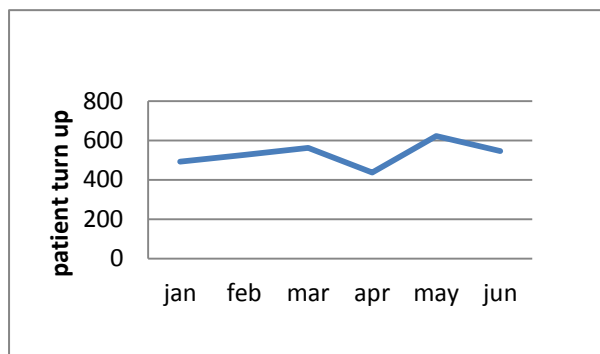
Together we have made a world that is bearable to someone in the local village in the rural Kenya.

MUMIAS JEEPLINE

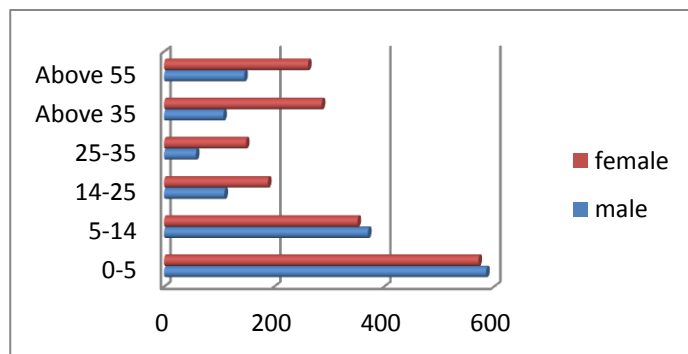
Patient turn up

	Jan		Feb		Mar		Apr		May		Jun		Total	
	m	f	m	f	m	f	m	f	m	f	m	f	m	f
0-5	98	96	84	84	96	114	79	82	131	133	98	63	586	572
5-14	55	44	59	59	65	71	50	59	70	59	72	60	371	352
14-25	18	22	14	29	19	29	9	26	23	36	27	47	110	189
25-35	6	14	16	25	5	32	4	18	1	24	26	36	58	149
3-55	14	44	19	53	15	54	15	41	19	51	26	44	108	287
Above 55	35	47	29	55	23	40	17	38	20	56	22	26	146	262
sub total	226	267	221	305	223	340	174	264	264	359	271	276	1379	1811
total	493		526		563		438		623		547		3190	

Monthly patient distribution



Pts. turn up by gender/age group



RATIO

AGE GROUP	Number	%	SEX	NUMBER	%
0-5 YEARS	1,158	36.3	MALES	1,379	43.2
5- 14 YEARS	723	22.7	FEMALES	1,811	56.8
ABOVE 15 YEARS	1,309	41.0			

MALARIA TESTING

TOTAL TESTED	0-5		5-14		15-24		25-34		35-54		ADOVE 5		TOTAL S
	M	F	M	F	M	F	M	F	M	F	M	F	
1591	48	31	31	41	36	65	49	78	80	94	94	163	810
	SUB %												
	%												

HIV TESTING

TOTAL TESTED 9	0-5		5-14		15-24		25-34		35-54		ADOVE 5		TOTALS
	M	F	M	F	M	F	M	F	M	F	M	F	
POSITIVE	0	0	0	0	0	0	0	0	0	0	0	0	0
%													

ANTENATAL CLINICS/FAMILY PLANING.

ANTENATAL CLINIC VISITS	1 ST VISIT	2 ND VISIT	3 RD VISIT	ABOV 4 TH VISIT	TOTALS
	37	27	24	39	127
FAMILY PLANING	DEPO	PILLS	IMPLANTS	STERILIZATION	TOTALS
	156	11	16	0	83

IMMUNIZATION

BCG	POLIO			PENTA			MEASLES	FIC		
	BP	1	2	3	1	2				3
8	8	60	73	64	0	62	73	55	98	

COMMENTS.

- More than 59% of the clients visiting the Jeepline to seek medical services are below 15 years of age. The busiest months in Mumias Jeepline is May and March, more females seen than males.
- MumiasJeepline visits 5 clinics. Two of these clinics are ready for exit by end of first quarter next year. This is Nyapeta and Bubala.

EXIT PLAN.

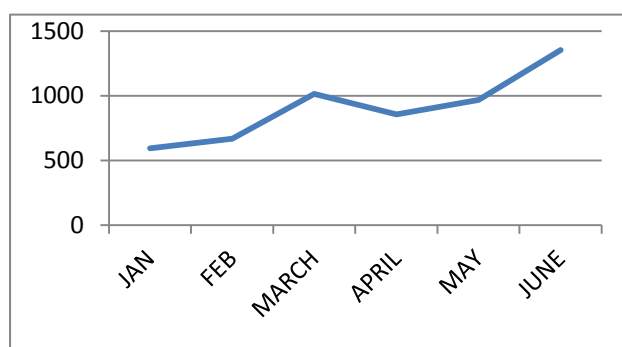
- (I) Nyapeta and Bubala to be handed over by next year, exit partners Mumias sub county health Management team and the community.
- (II) Nyapeta to have a nurse posted by the county government as per the agreement and Bubala clinic services to be relocated to the new clinic being put up about 15 minutes walk.
- (III) RDS to support with assorted drugs and medical equipment and follow up visits.

MATUNGU JEEPLINE

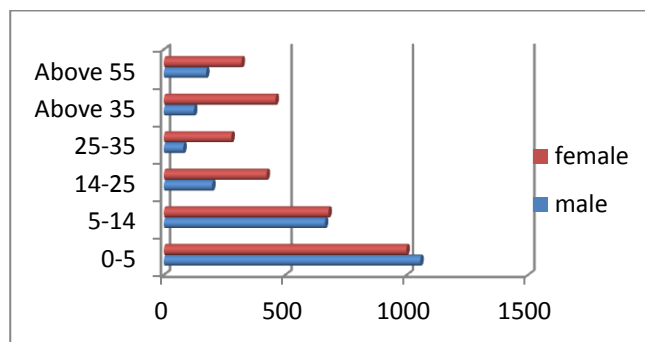
Patient turn up

	Jan		Feb		Mar		Apr.		may		Jun		Total	
	m	f	m	f	m	f	m	f	m	f	m	f	m	f
0-5	118	113	123	139	217	170	173	140	209	181	216	256	1056	999
5-14	72	68	66	72	117	127	97	124	135	106	176	181	663	678
14-25	14	42	29	54	31	92	30	61	40	66	55	108	199	423
25-35	6	31	12	37	11	44	10	41	6	37	35	88	80	278
35-55	13	50	6	52	33	87	25	82	22	66	25	123	124	460
Above 55	26	41	23	55	28	59	29	44	33	66	35	55	174	320
sub total	249	345	259	409	437	579	364	492	445	522	542	811	2296	3158
total	594		668		1016		856		967		1353		5454	

Monthly patient distribution



Pts. turn up by gender/age group



RATIO

AGE GROUP	Number	%	SEX	NUMBER	%
0-5 YEARS	2,055	37.7	MALES	2,296	42.1
5- 14 YEARS	1,341	24.6	FEMALES	3,158	57.9
ABOVE 15 YEARS	2,058	37.7			

MALARIA TESTING

TOTAL TESTED	0-5		5-14		15-24		25-34		35-54		ADOVE 5		TOTALS
	M	F	M	F	M	F	M	F	M	F	M	F	
2789	105	148	100	103	138	147	112	89	111	132	133	141	1459
	SUB %												
	%												

HIV TESTING

TOTAL TESTED 182	0-5		5-14		15-24		25-34		35-54		ADOVE 5		TOTALS
	M	F	M	F	M	F	M	F	M	F	M	F	
POSITIVE	1	1	0	0	0	0	0	0	0	0	0	0	2
%													

ANTENATAL CLINICS/FAMILY PLANING.

ANTENATAL CLINIC VISITS	1 ST VISIT	2 ND VISIT	3 RD VISIT	ABOV 4 TH VISIT	TOTALS
	186	217	131	128	662
FAMILY PLANING	DEPO	PILLS	IMPLANTS	STERILIZATION	TOTALS
	511	3	66	0	580

IMMUNIZATION

BCG	POLIO				PENTA			MEASLES	FIC	
	BP	1	2	3	1	2	3			
75	44	230	256	225	0	217	244	225	325	

COMMENTS.

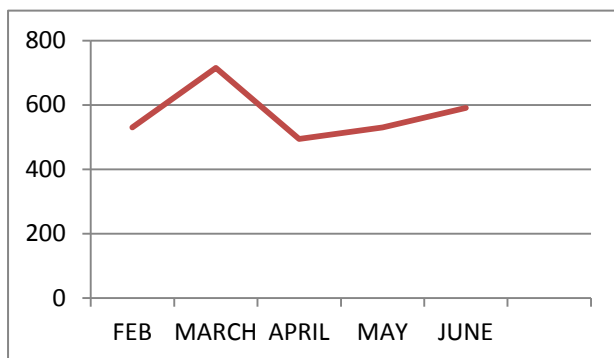
- Is the oldest Jeepline in western Kenya, catchment area is Matungu Sub county, cooperating partners, the community and the Matungu Sub County Health Management team (SCHMT)
- Two clinics are to be handed over, Itete and Namasanda and one is to be phased out, Suo.
- Itete and Namasanda! RDS through the help other Rotary clubs to finish the building, the SCHMT to post nurses and the RDS to help with assorted medical equipments and drugs and hand it over to be run by the community and the government.
- Matungu Jeepline is our high volume Jeepline, during the nurses strike the turn up had short up with about 120 clients coming for curative services and over 180 coming for other services such as family planning, Immunization, Antenatal clinics etc.

KWANZA JEEPLINE

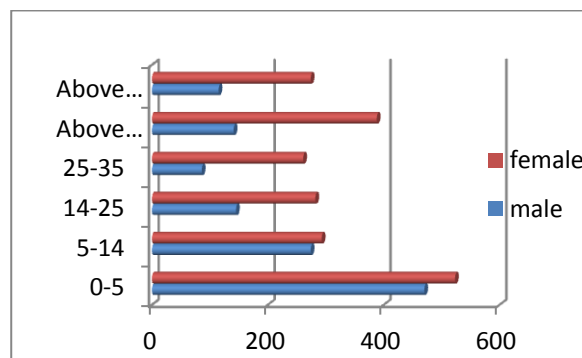
Patient turn up

	Jan		Feb		Mar		Apr		May		Jun		Total	
	m	f	m	f	m	f	m	f	m	f	m	f	m	f
0-5	55	72	69	74	109	106	74	83	64	82	99	106	470	523
5-14	28	37	46	39	58	61	34	44	43	52	65	60	274	293
14-25	14	39	26	51	23	61	22	49	39	42	21	40	145	282
25-35	10	34	11	46	12	56	10	34	31	49	12	42	86	261
35-55	12	35	19	78	33	107	16	72	38	42	23	54	141	388
Above 55	14	42	18	53	22	67	15	41	21	27	25	44	115	274
sub total	133	259	189	341	257	458	171	323	236	294	245	346	1231	2021
total	392		530		715		494		530		591		3252	

Monthly patient distribution



Pts. turn up by gender/age group



RATIO

AGE GROUP	Number	%	SEX	NUMBER	%
0-5 YEARS	993	30.5	MALES	1,231	37.9
5- 14 YEARS	567	17.4	FEMALES	2,021	62.1
ABOVE 15 YEARS	1,692	52			

- MALARIA TESTING

TOTAL TESTED	0-5		5-14		15-24		25-34		35-54		ADOVE 5		TOTALS
	M	F	M	F	M	F	M	F	M	F	M	F	
1326	3	10	6	13	17	17	16	18	34	38	35	50	257
	SUB %												
	%												

- HIV TESTING

TOTAL TESTED 278	0-5		5-14		15-24		25-34		35-54		ADOVE 5		TOTALS
	M	F	M	F	M	F	M	F	M	F	M	F	
POSITIVE	0	2	0	0	1	1	1	2	0	0	0	0	7
%													

- ANTENATAL CLINICS/FAMILY PLANING.

ANTENATAL CLINIC VISITS	1 ST VISIT	2 ND VISIT	3 RD VISIT	ABOV 4 TH VISIT	TOTALS
	245	186	133	87	651
FAMILY PLANING	DEPO	PILLS	IMPLANTS	STERILIZATION	TOTALS
	529	80	233	4	846

IMMUNIZATION

BCG	POLIO			PENTA			MEASLES	FIC		
	BP	1	2	3	1	2				3
167	46	290	289	301	5	282	283	296	358	

COMMENTS.

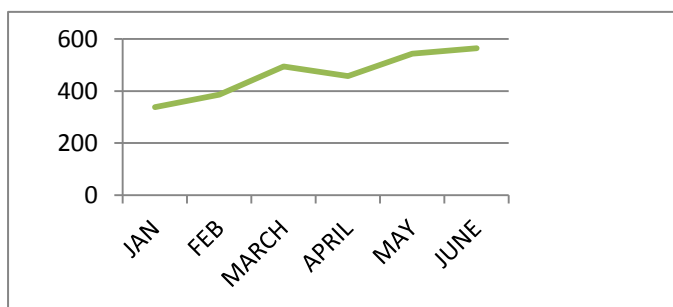
- The Jeepline is situated in Trans-zoia County in Kwanza Sub County, it is the newest Jeepline cooperating with Kwanza Sub County Health Management Team.
- Kwanza Jeepline is generally a low malaria zone due to its high altitude, general body pains are the major medical problems, it is generally an area where people work a lot in the farm.
- Three clinics are ready for handover, Karaus, Marinda and Soymining. The government has posted nurses in the three clinic and the hand over would be possible anytime.
-

ENDEBESS JEEPLINE

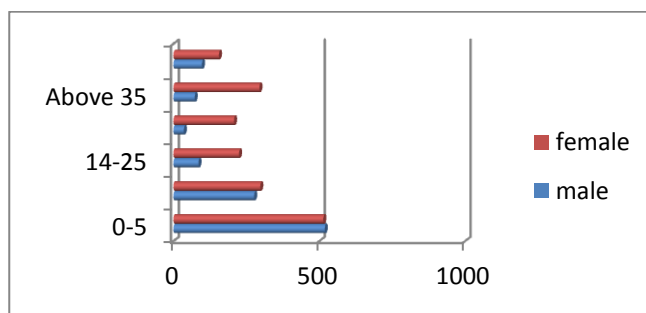
Patient turn up

	Jan		Feb		Mar		Apr		May		Jun		Total	
	m	f	m	f	m	f	m	f	m	f	m	f	m	f
0-5	75	79	80	66	102	85	71	68	106	100	85	116	519	514
5-14	27	29	39	42	40	56	50	44	42	60	79	67	277	298
14-25	5	25	6	31	13	39	21	44	26	44	15	42	86	225
25-35	9	27	3	30	10	39	5	37	3	38	6	37	36	208
35-55	6	25	11	42	12	51	19	54	16	65	9	58	73	295
Above 55	10	21	18	18	18	29	24	21	13	31	15	36	98	156
sub total	132	206	157	229	195	299	190	268	206	338	209	356	1089	1696
total	338		386		494		458		544		565		2785	

Monthly patient distribution



Pts. turn up by gender/age group



RATIO

AGE GROUP	Number	%	SEX	NUMBER	%
0-5 YEARS	1,033	37.1	MALES	1,089	39.1
5- 14 YEARS	575	20.6	FEMALES	1,696	60.9
ABOVE 15 YEARS	1,177	42.3			

MALARIA TESTING

TOTAL TESTED	0-5		5-14		15-24		25-34		35-54		ADOVE 5		TOTALS
	M	F	M	F	M	F	M	F	M	F	M	F	
1472	0	0	2	0	5	0	8	8	15	17	17	28	100
	SUB %												
	%												

- HIV TESTING

TOTAL TESTED 911	0-5		5-14		15-24		25-34		35-54		ADOVE 5		TOTALS
	M	F	M	F	M	F	M	F	M	F	M	F	
POSITIVE	0	2	0	3	0	4	1	2	0	1	1	3	17
%													

- ANTENATAL CLINICS/FAMILY PLANING.

ANTENATAL CLINIC VISITS	1 ST VISIT	2 ND VISIT	3 RD VISIT	ABOV 4 TH VISIT	TOTALS
	383	270	137	62	852
FAMILY PLANING	DEPO	PILLS	IMPLANTS	STERILIZATION	TOTALS
	1408	121	166	0	1695

IMMUNIZATION

BCG	POLIO				PENTA			MEASLES	FIC	
	BP	1	2	3	1	2	3			
480	129	469	486	488	0	458	486	396	547	

COMMENTS.

- Endebess Jeepline, in Trans-zoia County in Endebess Sub County, is the Jeepline whose catchment population would be considered very poor.
- Like Kwanza, it is also characterized with low malaria but high skin related diseases, a lot of malnourished children who never show up in the clinics.
- Lateness of patient is very common here, they have to work in the farm first to get money to before coming to the clinic. Most population is squatters and farm workers.
- Two clinics Khalwenge and Nabeki are ready for exit, already nurses have been posted in the two dispensaries and both are ready for hand over.

DISEASES BY JEEPLINE

MUMIAS KWANZA MATUNGU ENDEBESS						
1	CONFIRMED MALARIA	877	297	1459	100	2733
2	CLINICAL MALARIA	175	24	232	34	465
3	PNEUMONIA	152	77	166	322	717
4	DIARRHEAL DISEASES	136	147	185	280	748
5	SKIN DISEASES/WOUNDS	905	552	2651	903	5011
6	VIRAL INFECTION	246	640	527	801	2214
7	ANAEMIA	130	168	203	278	779
8	EYE INFECTION	43	104	115	97	359
9	EAR INFECTION	62	70	117	47	296
10	ASTHMA	13	14	29	3	59
11	DIABETIS	6	27	5	10	48
12	HYPERTENSION	24	152	37	34	247
13	GENERAL BODY ACHES	171	350	349	451	1321
14	ALL OTHER CASES	1151	2032	1683	1479	6345
	TOTAL CASES	4091	4654	7758	4839	21342
	TOTAL PATS	3190	3252	5454	2785	14681
	CASE PER PATIENT	1.2	1.4	1.4	1.7	

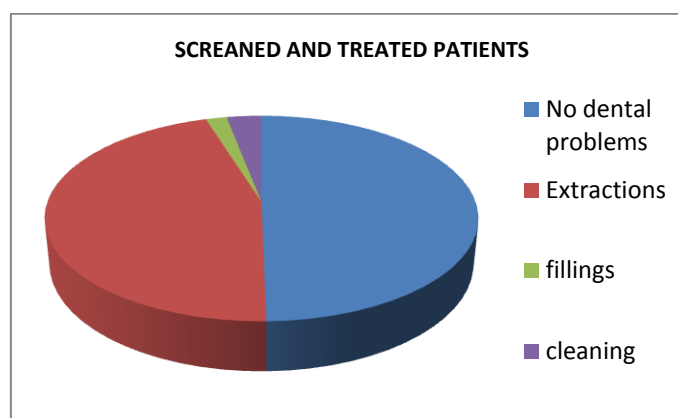
TOP FIVE CASES PER JEEPLINE.

	<i>MUMIAS</i>	<i>KWANZA</i>	<i>MATUNGU</i>	<i>EDEBESS</i>
1	<i>MALARIA</i>	<i>VIRAL INFECTION</i>	<i>SKIN DISEASES</i>	<i>SKIN DISEASES</i>
2	<i>SKIN DISEASES</i>	<i>SKIN DISEASES</i>	<i>MALARIA</i>	<i>VIRAL INFECTION</i>
3	<i>VIRAL INFECTION</i>	<i>GENERAL BODY ACHES</i>	<i>VIRAL INFECTION</i>	<i>GENERAL BODY ACHES</i>
4	<i>GENERAL BODY ACHES</i>	<i>MALARIA</i>	<i>GENERAL BODY ACHES</i>	<i>DIARHEAL DISEASES</i>
5	<i>DIARHEAL DISEASES.</i>	<i>HYPERTENSION</i>	<i>EAR INFECTION</i>	<i>PNEUMONIA</i>

DENTAL PROGRAM

	0-5		5-14		14-25		25-35		35-55		ABOVE 55		TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F	
SCREENED PATIENTS	6	2	182	241	211	223	14	37	14	35	6	17	988
PATIENTS EXTRACTED	6	1	82	116	52	96	11	31	10	26	4	14	449
FILLINGS	0	0	0	0	7	5	3	1	1	1	0	0	18
CLEANING	0	0	3	6	2	2	2	3	2	8	2	0	30

SUMMARY TABLE.



- One in every 2 children screened for dental related problem was found to be in need of dental care.
- Out of those needing dental care, dental carrier was the major issue leading to extraction.

SPECIAL PROJECTS.

COMMUNITY WATER PROJECTS.

- The community water project objective is to create access to community clean water by protecting and sinking shallow wells through community contribution and form a community water committee and train them.
- A total of six protected springs and four shallow wells were done and completed this quarter as below.

NO	PROJECT		EXPECTED HEALTH OUT COME	TOTAL BENEFICIARIES
1	SPRING PROTECTION	MUSENDA	<ul style="list-style-type: none"> - Accessibility to clean and safe water for drinking. - Reduction of diarrheal and water related diseases prevalence. 	1,325
		MAPAO		1,515
		MUSANGO		585
		KUNYU		505
		NAGAKHOSIA		325
		MWICHOPE		350
2	SHALLOW WELLS	ST. EMMANUEL PRIMARY		1,231
		ST. EMMANUEL COMMUNITY		650
		NYAPETA		1,800
		PAP GORI		1,065
		TOTAL POPULATION ACCESSING CLEAN WATER		

SCABIES TREATMENT.

- A number of patients coming to the clinics were detected to be suffering from Scabies infestation.
- This prompted a need for a mass treatment to treat all the affected at the same time.
- We were therefore able to reach the following numbers for treatment.

jeeplines	Targeted population	screened	treated	% turn up
Matungu /Mumias	1,865	1,519	1,519	81.4%
Endebess/Kwanza	1,000	1,360	1,360	136%

FOLLOW UP.

jeeplines	Treated	Healed	Healed rate %
Matungu /Mumias	No follow up done yet		
Endebess/Kwanza	1,360	1,202	88.7%

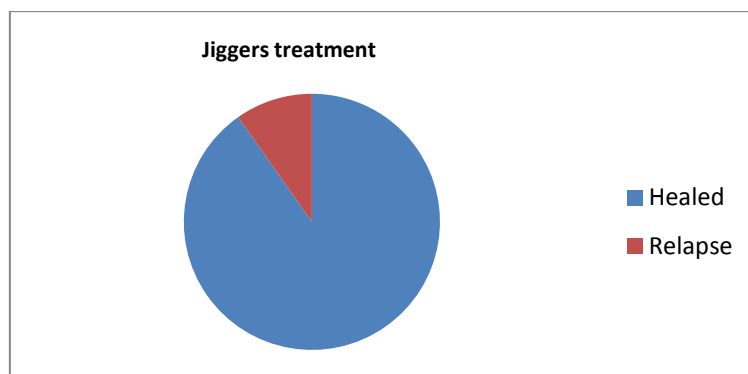
NB- 11.3% Failure rate to be followed in July. Matungu/Mumias Jeepline to follow up in July.

JIGGERS.

- Jiggers infestation is one of the most common but neglected medical problems

jeeplines	Treated	healed	Relapse.
Matungu /Mumias	62	59	95.2
Endebess/Kwanza	491	440	89.6%

- Mumias /Matungu has not done massive campaign, it has been treatment in clinics. Low relapse rate, could be attributed to one on one health education on management at home.
- Endebess/Kwanza mass campaign treatment. Compared to Mumias a little high relapse rate. Group health education is preferred during campaigns.



- Good complete healing rate, meaning with little effort we can rid our children out of jiggers.
- Treatment approaches included, suffocation with hydrogen peroxide, spraying of the house, health education and in some cases foot ware.

HEALTH EDUCATION

(1) SCHOOL HEALTH EDUCATION.

- This is a program mostly focused on the school children where various health education issues are identified by the teachers and addressed the RDS team.
- We have covered the following topics so far.

	Mumias/Matungu	Endebess/Kwanza
1	None this first half of the year.	- Toilet hygiene.
2		- Personal hygiene
3		- Hand washing
4		- Sex education
5		- Installation and use of tipitap

COMMENTS.

- The Endebess Kwanza team has been very much involved in this program.
- (2) VOLUNTEERS TRAINING.
 - A number of volunteers trained during the clinics, the training mostly focuses on public health issues and how to manage simple medical conditions at home.
- (3) CONTINUES MEDICAL EDUCATION.
 - Visiting doctors giving health education to the staffs back at the doctor's house. The topics are chosen based on the major issues identified during the clinics.

- **POSSIBLE CLINICS TO HAND OVER/PHASEOUT.**

Mumias/Matungu Jeepline

- (i) 5 clinics. Itete, Namasanda, Suo, Bubala and Nyapeta.
- (ii) Merge up the remaining clinics (Khandai, Bubala, Matemo, UmalaGul and Lusheya) into one Jeepline.
- (iii) Waiting on the RDS decision on the way forward after exit.

ENDEBESS/KWANZA.

- (i) 5 clinics ready for phase out already government nurses have been posted (Karaus, Marinda, Soymining, Khalwenge and Nabeki)
- (ii) Merger the two Jeepline into one.
- (iii) Start a new Jeepline if possible. West Pokot a good area to explore.
- (iv) Wait for RDS board decision on the above.

SCHOOL DENTAL CARE

- (i) Cover both Matungu and Mumias Jeepline with the mobile dental care for the school going children.
- (ii) Revisit the ministry of education with the above to seek for permission to screen children in schools.