

Kilimanjaro Region VISION 2020

Annual report 2007

THE UNITED REPUBLIC OF TANZANIA
PRESEDENT'S OFFICE
REGIONAL ADMINISTRATION & LOCAL GOVERNMENT

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Message from the REC

Dear All,

It is my great pleasure to share with you some of the great achievements that we have achieved during the year 2007.

We have successfully managed to reorganize the Regional Task Force Committee that is responsible for prevention of blindness activities in the Region, whereby the Chairperson is the Regional Administrative Secretary and the Secretary is the Regional Eye Coordinator.

The Regional Task Force Committee is comprised of stakeholders in Kilimanjaro Region who are directly or indirectly involved in prevention of blindness activities. These include: the Ministry of Health and Social Welfare (regional and district), Kilimanjaro Community Based Rehabilitation, Lions Clubs in Moshi, Kibosho Hospital, Tan-Optics, Medical Store Department , National Health Insurance Fund, KCMC Hospital, and the Kilimanjaro Centre for Community Ophthalmology.

I am glad to let you know that all stakeholders in Kilimanjaro have identified their areas of interest and, most importantly, mapped the region in terms of provision of eye care services; this was successfully done through team work. Many thanks to all stakeholders.

I am also pleased to inform you that the World Sight Day 2007 activities were successfully conducted as scheduled on 11th October 2007 in Kilimanjaro Region. Behind this achievement is stakeholder teamwork. The theme for 2007 was "childhood blindness" and we conducted eye screening for children to meet their needs. Many children within Moshi Municipality benefited from the services including eye screening, case detection, counseling and referrals for those identified with serious eye conditions. In total 568 children under sixteen were seen. I would like to give my sincere thanks to all stakeholders. Coca Cola provided material support. Special thanks go to Prof. John Shao, Executive Director of the Good Samaritan Foundation, for hosting the event. Lastly, I would like to thank the Regional Administrative Secretary, the guest of honor, for accepting to join us despite her busy schedule.

It is my pleasure to inform you that many districts have adopted sustainability reform by allocating funds for eye care services within their districts.

The year 2007 has seen a major achievement in prevention of blindness activities whereby we managed to increase the cataract surgical rate from 791 (2006) to 900 in 2007. This is a great achievement. Kilimanjaro Region also

carried out the Rapid Assessment of Avoidable Blindness (RAAB) to answer many questions we had in the Region.

The overall survey findings showed that blindness prevalence in the 50+ population is about 2%; which translates to about 0.2% in the whole population (much less than the WHO estimate of 1%). The leading cause of blindness is still cataract; glaucoma is the second leading cause. The RAAB has provided us with useful information that will help us in the planning for prevention of blindness activities.

In the year 2008, we look forward to strengthen existing partnerships, and formulate a five year strategic plan for Kilimanjaro Region, improving infrastructure, human resource, updating instruments, training, and research.

Many thanks to all who have participated and made this dream come true.

Dr Wahida H Shangali.

REGIONAL EYE COORDINATOR, KILIMANJARO

Background information:

Kilimanjaro Region, in the northern part of Tanzania, is home to Mount Kilimanjaro. The capital of the region is Moshi. It shares borders with the country of Kenya, and the Tanzanian Regions of Arusha, Manyara, and Tanga.

Administratively Kilimanjaro Region is divided into seven districts: Hai, Same, Mwanga, Rombo, Moshi rural, Moshi urban. In 2007, Hai district was sub-divided to create a new district called Siha. According to the 2002 census Kilimanjaro had a population of 1,381,149, with average annual population growth estimated at 1.6 %. By the end of 2007 the population of Kilimanjaro was estimated to be 1,495,552. The distribution of the population by district is estimated as follows.

Districts	2002 Census			2007 estimated
	Male	Female	Total	Total
Moshi Rural	192,998	209,433	402,431	435,864
Moshi Urban	71,040	73,296	144,336	156,464
Same	103,520	108,805	212,325	229,616
Mwanga	55,666	59,954	115,620	124,968
Hai	127,782	132,176	259,958	281,432
Rombo	116,859	129,620	246,479	267,208
Total	667,865	713,284	1,381,149	1,495,552

Eye care services available in Kilimanjaro Region:

Tertiary facility

The Kilimanjaro Christian Medical Centre Eye Department offers the full range of secondary and tertiary eye care services (including specialized services such as pediatric ophthalmology and surgical retina). It serves as the referral facility for approximately 12 million people in northern Tanzania.

Secondary facilities

There are two secondary facilities. Mawenzi Hospital, the regional facility, provides secondary eye care services, including extraocular operations. Kibosho Hospital, located 15 kilometers from Moshi, offers cataract surgery.

Primary facilities

The four district hospitals in Hai, Rombo, Mwanga, and Same provide primary eye care services.

Clinical manpower available in Kilimanjaro region

	KCMC	Mawenzi	Kibosho	District Hosp.
Ophthalmologists	4	0	0	0
AMO-O Cataract Surgeon	0	1	1	0
AMO-O General	2	2	0	0
Optometrists	4	3	1	1
Ophthalmic Nurses	9	6	1	3
Ophthalmic Assistants	3	0	1	10

Community eye care services

Community eye care services are provided through the Ministry of Health and Social Welfare (district eye coordinators), the Kilimanjaro Community Based Rehabilitation (CBR), Kibosho Hospital and the Kilimanjaro Centre for Community Ophthalmology (KCCO). The MoHSW and partners in Kilimanjaro jointly coordinate these activities throughout the region to provide comprehensive eye care services (including medical care, trichiasis surgery, refractive services, and counseling). The Kilimanjaro CBR and Direct Referral Site programmes transport intraocular surgical cases (primarily cataract, glaucoma, and paediatric cataract) back to KCMC for surgery. Kibosho Hospital conducts screening around its catchment areas and patients who are identified with cataract are operated on at Kibosho Hospital.

Service delivery throughout Kilimanjaro Region

Throughout 2007 the total number of eye care service visits provided through the various providers was 55,509 divided as follows:

Service	Males	Females	Total
KCMC Hospital	N/A	N/A	21,198
Mawenzi Hospital	N/A	N/A	17,234
Kibosho Hospital	1,586	1,833	3,419
District Hospital: Hai	113	143	256
District Hospital: Rombo	794	1,216	2,010
District Hospital: Mwanga	125	207	332
District Hospital: Same	353	379	732
Kilimanjaro CBR	445	790	1,235
KCCO/MoHSW/KCMCDirect Referral Sites	4,257	5,836	10,093
Total	7,673	10,404	56,509

Cataract is the leading cause of blindness and cataract surgery accounts for the largest proportion of surgical services. At KCMC Hospital a total of 1,830 cataract operation were done while at Kibosho Hospital a total of 190 cataract operation were done (grand total 2,020 surgeries)

Cataract surgeries	Males	Females	Total
KCMC Hospital	1,001	829	1,830
Kilimanjaro residents	605	551	1,156
Residents from other regions	396	278	674
Kibosho Hospital	88	102	190

Cataract patients are either walk-in or brought through community programmes. Overall, 45% of patients from Kilimanjaro Region were walk-in, the remainder being brought through community programmes.

Cataract surgeries	Males	Females	Total
KCMC Hospital walk-in	282	249	531
Kibosho Hospital walk-in	28	42	70
Community programmes			
Kibosho Hospital	57	63	120
Kilimanjaro CBR	88	55	143
KCCO/MoHSW/KCMC Direct Referral Sites	235	247	482

The cataract surgical rate is an estimate of service delivery, district by district and by sex from within the region. Overall, the CSR was 900 per million population for the year 2007. This is an increase from a CSR of 791 for year 2006.

Cataract surgeries	Males	Females	Total	CSR
Hai district	71	90	161	572
Moshi urban	105	84	189	1208
Moshi rural	283	255	538	1234*
Rombo	89	80	169	632
Mwanga	63	40	103	824
Same	82	104	186	810
Total	693	653	1346	900

* Some of patients who have been operated at Kibosho hospital (Moshi Rural) may have come from other districts. We were not able to trace patients operated at Kibosho Hospital who came from other districts.

Other services provided in Kilimanjaro Region

Refractive services

Refractive services are available at KCMC Hospital, Mwenzi Hospital, Kibosho Hospital, and through the Kilimanjaro CBR and KCCO/MoHSW DRS programmes. During the year 14,506 people were assessed for refractive correction and 5,898 were provided with spectacles

Service	Screened for refraction	Provided refractive correction
KCMC Hospital	6,732	2,172
Mawenzi Hospital	4,812	2,019
Kibosho Hospital	703	663
District hospital: Hai	19	N/A
District hospital: Rombo	N/A	61
District hospital: Mwanga	86	75
District hospital: Same	20	N/A
Kilimanjaro CBR	312	N/A
KCCO/MoH/KCMC Direct Referral Sites	1,822	908
Total	14,506	5,898

Childhood eye care services

Childhood eye care services focus on childhood cataract, the leading cause of blindness in the region. KCMC Hospital is the only surgical service provider for children from throughout northern Tanzania, however, most children who had surgery in 2007 came from Kilimanjaro Region. Boys continue to outnumber girls.

	Boys	Girls	Total
Kilimanjaro Region			
Hai	8	2	10
Moshi urban	12	1	13
Moshi rural	10	5	15
Rombo	8	6	14
Mwanga	1	1	2
Same	5	8	13
Other regions	61	48	109
Total	105	71	176

Minor operations

The tertiary, secondary, and some primary facilities (as well as the KCCO/MoHSW Direct Referral Sites) also provide minor operations (for trichiasis, other lid repair, etc.)

Service	Trichiasis surgeries	Other minor lid procedures*	Conjunctival mass
KCMC Hospital	37	138	154
Mawenzi Hospital	0	67	0
Kibosho Hospital	6	30	23
District hospital: Hai	0	0	N/A
District hospital: Rombo	32	57	N/A
District hospital: Mwanga	0	42	N/A
District hospital: Same	0	10	N/A
Kilimanjaro CBR	N/A	N/A	N/A
KCCO/MoHSW Direct Referral Sites	18	0	0
Total	87	344	177

* Chalazion, pterygium, lid repair

Other specialized surgical services

KCMC Hospital provides specialized surgical and medical services to residents of the region as well as surrounding regions.

	Males	Females	Total
Glaucoma surgery	68	34	102
Retinal surgery	180	50	230
Medical retina services	N/A	N/A	1,655

Partnership and Coordination

In October 2007 the Kilimanjaro VISION 2020 Task Force was reorganized under the guidance of the chairperson who is the Regional Administrative Secretary, with the Regional Eye Coordinator as the Secretary to oversee the provision of eye care services in Kilimanjaro Region. The Task Force comprises different partners such as the Lions Clubs, Kibosho Hospital, Kilimanjaro CBR, KCMC Eye Department, Regional Planning Officer, Tan -Optics, one District Eye Coordinator, one District Medical Officer, KCCO and the National Health Insurance Fund . One of the main tasks for the Task Force is to ensure that Kilimanjaro develops annual plans for the 2008, creates strategic plans for the region as well as putting in place a good reporting system.

World Sight Day 2007

KCCO, KCMC, Kilimanjaro CBR, Lions Clubs, Kibosho Hospital, Mawenzi Hospital and Regional Administrative Secretary worked closely to organize a very successful World Sight Day in Moshi town, hosted by the KCMC Hospital. During this day eye patients, especially children, were screened, treated and counseled on different eye conditions. A total of 568 children under 16 years were screened and treated.

TABLE:

EYE CONDITIONS SEEN ON THE WORLD SIGHT DAY.11TH Oct 2007

Type of eye conditions	Numbers
Conjunctivitis-Vernal, Severe	83
Conjunctivitis Allergy	210
Congenital Cataract	0
Refractive Errors	
<i>Myopia</i>	31
<i>Hyperopia</i>	13
<i>Astigmatism</i>	1
Normal Eyes	156
Blind Eyes	0
Referral Cases to KCMC/Mawenzi	30
Severe Headache	2
Anemia	1
Blepharitis	1
Other eye conditions	10

N.B 30 adults were screened for presbyopia