

## Annexure Report

# Blood Transfusion System in Kenya

A Study by JICA in collaboration  
with the Ministry of Health



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January 2002

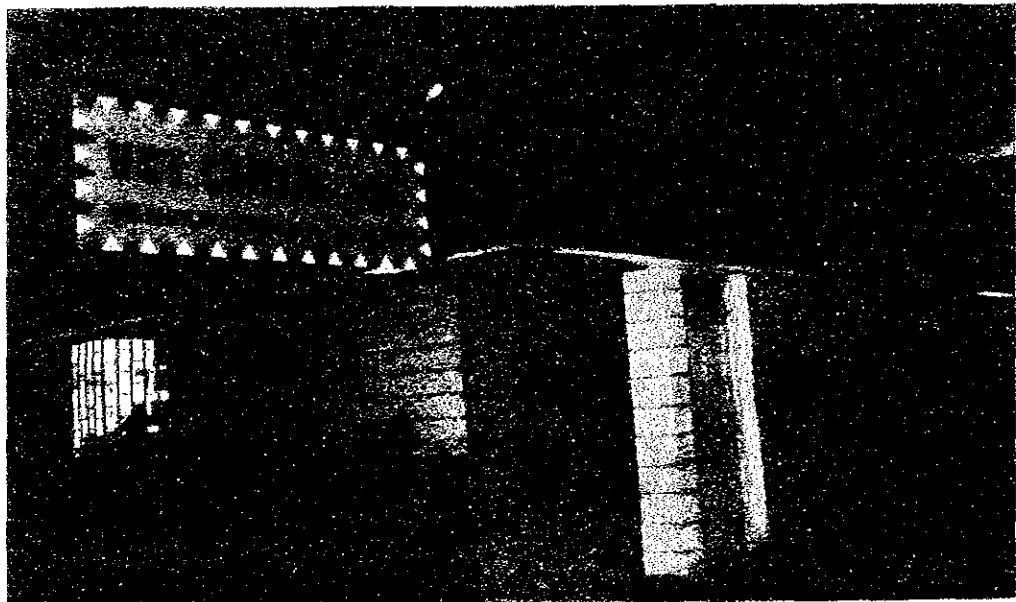
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A donor being bled: More of them are required



KNH VCT Centre: One of the largest centres in the country

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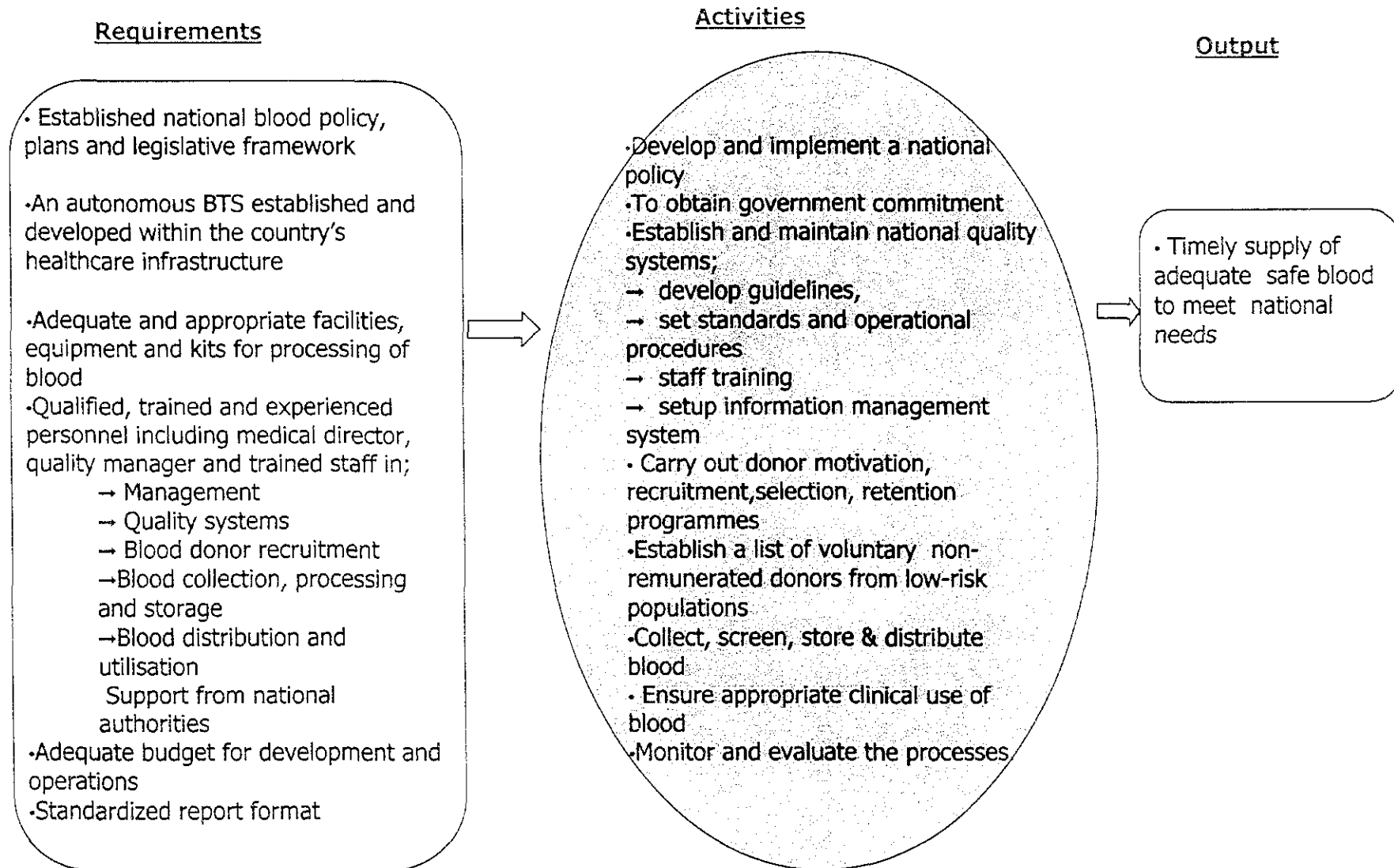
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Figure 1.1

AN INTEGRATED APPROACH TO A SAFE BLOOD TRANSFUSION SYSTEM AT A GLANCE



### LIST OF REVIEW DOCUMENTS

Item	Document Description	Source
1.	Kenya National Blood Transfusion Service Policy Guidelines on Blood Transfusion in Kenya, Ministry of Health, July 2000.	NPHLS
2.	The National Health Sector Strategic Plan 1999-2004 by Health Sector Reform Secretariat, Ministry of Health, July 1999	NPHLS
3.	Kenya's Health Policy Framework Implementation and Action Plan, Ministry of Health, February 1996	NPHLS
4.	Kenya's Health Policy Framework, Ministry of Health, November 1984	NPHLS
5.	Sessional Paper No. 4 of 1997 on AIDS in Kenya	NPHLS
6.	AIDS in Kenya, Background Projections, Impact Interventions, by National AIDS and STDs Control Programme and NCPD, 1996	NPHLS
7.	Needs Assessment for Kenya Blood Transfusion Services, a consultancy report by Dr. P. K. Kataha	NPHLS
8.	Strengthening Blood Transfusion Service in Kenya, presentation by USAID, MOH Kenya, FHI, September 2001	NPHLS
9.	Kenya National Guidelines for the Appropriate use of Blood and Essential Blood Bank Services by NPHL, NASCOP, CDC and WHO Kenya Country Programme	WHO
10.	Blood Transfusion Techniques, by Ministry of Health, NPHLS, 1982	WHO
11.	Report on Workshop on handling automated and semi-automated HIV Screening machines by J.A. Mwalloh, Blood Safety Programme Officer	Homa Bay District Hospital
12.	Blood Donor Questionnaire, by MP Shah Hospital	MP Shah Hospital
13.	Checklist Blood Campaign Kit	Homa Bay District Hospital
14.	Blood/Blood products transfusion sheet, by Gertrude's Garden Children Hospital	Gertrude Hospital
15.	Donor Selection Guidelines by Gertrude	

	Hospital	Gertrude Hospital
16.	Blood Donor Questionnaires by Metropolitan	Metropolitan Hospital
17.	Blood Donor Questionnaire by Nairobi West Hospital	Nairobi West Hospital
18.	Request for Blood Grouping and Transfusion by Metropolitan Hospital	Metropolitan Hospital
19.	Monthly Laboratory Report, Ministry of Health	Nyeri Provincial Hospital
20.	Blood Donor Questionnaire Guidelines by Agha Khan Hospital	Agha Khan Hospital
21.	Donor Screening confidentiality guidelines by Mombasa Hospital	Mombasa Hospital
22.	Request for blood Grouping and Transfusion, Ministry of Health	Kerugoya District Hospital
23.	National Guidelines for Voluntary Counselling and Testing in Kenya, Ministry of Health, NACC, May 2001	JICA
24.	Voluntary Counselling and Testing for HIV infection in Antenatal Care, UNAIDS, WHO, September 1999	JICA
25.	Implementing Voluntary Counselling and Testing (VCT) Lessons learnt for Kenya by UNAIDS, WHO, September 1999	JICA
26.	Counselling, Testing, Care and Support Services in Nairobi by Population Council, 1999	JICA
27.	Laboratory Services Organ programme by NPHLS	NPHLS
28.	The KEMRI HEPCELLII/AFP 1996-June 2000 by KEMRI	KEMRI
29.	Ministry of Health National Aids Register	Webuye Sub District Hospital
30.	The Kenya National Blood Transfusion Service 1999	NPHLS
31.	Provincial and District Laboratory Services Organ Programme	NPHLS
32.	Delivery for tender of 2000-2001 Financial year supply of Laboratory item	NPHLS
33.	Health financing and reform in Kenya by Management Sciences for Health, December 1996	ALMACO
34.	Health Management Information System, Report for 1996-1999, MOH	ALMACO
35.	Demographic and Health Survey 1998, Republic	ALMACOO

	of Kenya, NCP&D	
36.	The National Health Sector Strategic Plan; 1999-2004, Ministry of Health	ALMACO
37.	Health Sector status analysis, Ministry of Health, 1999	ALMACO



## LIST OF INTERVIEWEES AND DISCUSSANTS

### A) NATIONAL INSTITUTIONS

	<b>Name</b>	<b>Designation</b>	<b>Name of Institution</b>
1	Dr. Richard Muga Cardine Ngure Jane Harriet	Director of Medical Services VCT Coordinator VCT Coordinator	Ministry of Health NAS COP FHI
2	Dr. Jack Nyamongo Mr. Onesmus Nzomo  Mr. Wambua  Mr. M. Arimi Mr. Moraa Dr. Elizabeth Marum	Director, NBTS Chief Supplies Officer  Deputy Director, NBTS  Head, Blood Bank Serology VCT Coordinator	National Public Health Laboratory Services (NPHLS)     CDC
3	Dr. K. Chebet  Albert Ngatia	Director  Project Manager	National Aids & STD Control Programme (NAS COP). Liverpool VCT Project
4	Dr. Solomon Mpoke  Mr. S. Muchiri	Senior Research Officer  Research Officer	Kenya Medical Research Institute (KEMRI)
5	Dr. Jane Carter	Head of Laboratory Service	African Medical Research Foundation (AMREF)
6	Rev. Fred N. Muasya	Head, Department of Medical Services	Kenya Medical Training College (KMTC)
7	Dr. Mutie		World Health Organisation (WHO)
8	Mrs. Mwai	Executive Officer	St. Johns Ambulance
9	Mr. Joseph M. Njau	Blood Donor Officer	Kenya Red Cross
10	Mr. I. K. M'Arithi	Supplies Officer	Kenya Medical Supplies Agency (KEMSA)

## B) PROVINCIAL AND DISTRICT OFFICERS

	Province	Name	Designation	Location/ District
1	Western	1. Maurice Cheprot	Provincial Medical Laboratory Technologist	PMO Office
		2. Francis Wesieta	District Medical Laboratory Technologist	Kakamega
		3. Papa Ismael	District Medical Laboratory Technologist	Bungoma
		4. Edward Wafula Simiyu	District Medical Laboratory Technologist	Busia
		5. J. Machani	District Medical Laboratory Technologist	Vihiga
		6. Dr. J. A. Wandera	District Medical Officer	
2	Central	1. Dr. Kimani	District Medical Officer	Nyeri
		2. Anne Nyakio	Provincial Medical Laboratory Technologist	
		1. Dr. Mburu	MOH, Kiambu	Kiambu
		2. Martha K. Muhoro	Deputy District Medical Laboratory Technologist	
		3. Lucy Njoroge	Serology In-charge	
		4. Nyagati	Donor Blood Services	
3	Coast	1. Mwanyumba	Provincial Medical Laboratory Technologist	
		2. Dr. S. K. Shariff	Provincial Medical Officer	
4	Nyanza	1. Mr. Ochieng Nekiso	Provincial Medical Lab Technologist	PMO Office
		2. Dr. Margaret Odour	Director, RBTC/Provincial Pathologist	RBTC
		3. Samwel Ongwae	District Medical Lab Technologist	Kisumu
		1. Edward Abok	District Medical Lab Technologist	Rachuonyo
		1. Z. Ogoti	District Medical Lab Technologist	Ogembo
5	Rift Valley	1.	Provincial Medical Lab Technologist	PMO Office

		1. 1. Tonui	District Medical Lab Technologist  Medical Health Officer	1. Nakuru  2. Uasin Gishu
6	Eastern	Dr. S. M. Kimani  Stanley K. Njagi  Harrison M. Munyi  S. Mueke  M. Munyoki  Dr. J. B. Mutunga	Provincial Medical Officer  Provincial Medical Lab Technologist  District Medical Lab Technologist  District Medical Lab Technologist  District Medical Lab Technologist  District Medical Officer of Health	1. P.M.O. Office     Machakos  Kitui

### C) HOSPITALS

PROVINCE		NAME	DESIGNATION	INSTITUTION	DISTRICT
NAIROBI	1.	1) Paul M. Kitenge	Chief Technologist	RBTS Nairobi	Nairobi
	2.	1) James N. Muya 2) James Ndungu	Lab Technologist Lab Technologist	Mbagathi Hospital	"
	3.	1) Menusi Antonlo	Lab Incharge	Pumwani Maternity Hospital	"
	4.	1) Catherine Wafuta 2) Wilson KImondo Kararu	Matron Lab Technologist	Avenue Nursing Home	"
	5.	1) Margaret Mactarla	Matron	Equator Nursing Home	"
	6.	1) Shila Patel	Lab Manager	Gertrude Garden Children's Home	"
	7.	1) Dr. Gontier 2) C. Mase	MOH Lab Incharge	Guru Nanak Ranaghari Singh Hospital	"
	8.	1) Anne Margaret Oyoo 2) Danitan Auma Sangany	Matron Chief Technologist	Masaba Hospital	"
	9.	1) Sis Masila	Matron	Metropolitan Hospital	"
	10.	1) D.H. Roba	Lab Incharge	Nairobi Hospital	"
	11.	1) Dr. Balbir Singh 2) Daniel Wafat	Administrator Lab Technologist	Nairobi West Hospital	"
	12.	1) Mrs. Ouhlambo	Lab Technologist	M.P. Shah Hospital	"
	13.	1) Wambua 2) Mr. Karanja	Chief Technologist BTS Incharge	Mater Misericordie Hospital Kenyatta National Hospital	"
CENTRAL	14.	1) Dr. L.G. Mburu 2) Francis Gitonga Ragwa	Medical Superintendent Lab Incharge	Nyeri P.G.H.	Nyeri
	15.	1) Maigua Nicholas 2) Agnes Wanjohi	Hospital Administrator Lab Technician	Karatina District Hospital	"
	16.	1) Sellah Moraa	Lab Technician	Consolata Hospital Nyeri	"
	17.	1) Dr. J.M. Karithi 2) David Wambugu	Medical officer in charge Lab Technologist	PCEA Tumu Tumu	"
	18.	1) Nancy Gachau 2) Eva Muchira	Hospital Administrator Lab Technologist	Jamii Maternity Nursing Home	"
	19.	1) Mugereti 2) James Muita	Personnel Officer Lab Technologist	Nyahururu District Hospital	Nyandarua
	20.	1) Sr. Phidella Zamboni 2) Francis Njige	Matron Lab Technician	North Kinangop Catholic Hospital	"
	21.	1) Dr. Mbalu Paul 2) J.M. Wahome	Medical Superintendent Lab technologist	Kerugoya District Hospital	Kerugoya
	22.	1) Dr. Chira D.N. 2) Micheal Muthigani	Medical Officer I/N	Mwea Mission Hospital	"
	23.	1) Mr. P.M. Kiunga 2) Joseph K. Kimaru	Health Administrator Lab Technologist	Muranga District Hospital	Muranga
	24.	1) Joseph Mariga Kiarie 2) James Yegon	Health Administrator Lab Technician	Muriranga District Hospital	"
	25.	1) Dr. Kilenzo Ndulu 2) Bernard Ngugi	MOH Incharge Lab Technician	Gaichanjiru Catholic Hospital	"
	26.	1) Jane Mutuku 2) Veronicah Ngendo	Matron Incharge Lab Technician	Kiritani Consolata Hospital	"
	27.	1) Coloraline Mwangi 2) Caleb Ochlong	Information Officer Incharge Lab Technologist	Thika District Hospital	Thika
	28.	1) Stephen Musyoka 2) Micheal Murlini	Health Administrator Lab Technologist	Gacondu District Hospital	"
	29.	1) Sr. Mary Bernadette 2) Dr. M. Geraldine		Immaculate Heart of Mary	"
	30.	1) Jenelica Muiruri 2) Eunice Kibuyu	Matron Incharge	Sr Mary Mulumba Hospital	"
	31.	1) Janet Imanyara	Deputy Matron I/N	Thika Maternity Hospital Mary Help of the Sick	"
	32.	1) Wilson M. Kiragu 2) Christopser Kimaru	Health Administrative Officer Lab Technologist	Kiambu District Hospital	Kiambu
	33.	1) Dr. Smon Gitonga	MOH	Tigoni District Hospital	"
	34.	1) Elijah Kamau 2) Peter N. Tlologo	Personnel Officer Lab Technologist	AIC Kijabe Medical Centre	"
	35.	1) Dr. Nandu 2) Agnes Njoki		Kikuyu Nursing Home	"
	36.	1) Dr. R.K. Patel 2) Charles Gitahi	MOH Lab Technician	Limuru Nursing Home	"
	37.	1) D.K. Mugunyu 2) Mary Mithango	Hospital Administrator Lab Technologist	PCEA Hospital Kikuyu	"

South Rift	38.	1) Dr. Kibosla 2) Njuguna 3) Irene Orgot 4) Odeng	Medical Superintendent Matron Incharge Lab Technologist Hospital Secretary	Nakuru P G H	Nakuru
	39.	1) Dr. K. Gogo 2) Daniel Opiyo	Deputy In-charge Senior Medical Lab Tech. In-charge	Egerton University Clinic/Health care	"
	40.	1) Dr. Agere 2) Richard Kahuria	MOH Incharge Lab Technician I/N	Nalvasha District Hospital	"
	41.	1) Dr. J. Njau 2) Humphrey Sagwa	MOH Lab Technologist In charge	Molo District Hospital	"
	42.	1) Dr. S. B. Nyakeri		Mathare Mental extension, Gilgil	"
	43.	1) Dr. Okoko 2) Chris Opiyo	Hospital In-charge Laboratory In-charge	Menengai Maternity Nursing Home	"
	44.	1) Dr. G. L. Obwanga 2) Vincent Ouma	Doctor In-charge Lab In-charge	Pine Breeze Nursing Home	"
	45.	1) Dr. Simon Siele 2) Langat K. Raphael	Medical Superintendent Lab Technologist Deputy Incharge	Kericho District Hospital	"
	46.	1) Dr. Langat 2) Elizabeth Kapdch 3) Beatrice Rotich	MOH. Incharge Lab Technician Lab Technician	Londian District Hospital	"
	47.	1) Dr. Qdonde W.H. 2) John Kiplitech Cherulyot	Medical Officer In charge Lab Technologist Incharge	Central Hospital AHP	"
	48.	1) Dr. J.B. Karla 2) Viral V. Vachhanl	MOH Lab Technologist In charge	Kericho Nursing Home	"
	49.	1) Richard K. Bii 2) Stephen Laboso	Lab Technologist	Chemugundal Hospital	"
	50.	1) Dr. J.R. Nyaumah 2) Tom Opera	Chief Medical Officer Lab Technologist In charge	St. Leonard Hospital	"
	51.	1) Dr Bii SC 2) Philip Kirono	MOH Lab Technologist	Kapkatet District Hospital	Buret
	52.	1) Dr. S.B. Onchere 2) James Alwoch	MOH Lab Technologist	Kaplong Catholic Hospital	"
	53.	1) Dr. Michael Chupp 2) Simon Sigel	Medical Superintendent Deputy Lab Technologist In-charge	Tenwek Hospital	Bomei
	54.	1) Dr. Alfred Terer	MOH	Longisa	"
	55.	1) Starnley Ole Moi 2) Thomas Bwogo	RCO Incharge Lab Technologist Incharge	Lolgorian Sub District Hospital	Trans-mara
	56.	1) Dr. Robert Wakesa 2) Phillip O. Kilusu	Medical Officer Health Lab Technologist In charge	Transmara District Hospital	"
	57.	1) Dr. Nathan Obare 2) Mr. Isalah Langat	Medical officer In charge Lab Technologist In charge	St. Joseph Hospital, Kilgoris	"
	58.	1) Dr. Wafula Edward 2) Makati Letoioo	MOH Lab Technologist In charge	Narok District Hospital	Narok
	59.	1) R. Kilonzo 2) Aggrey Keya	Matron In charge Lab Technologist	Kajiado District Hospital	Kajiado
	60.	1) DR. Opondo E. 2) Richard Molel	MOH Lab Technologist In charge	Lolroktok Sub-district Hospital	"
	61.	1) Dr. S.O. Wendo 2) D. P. Toroke	Hospital In-charge Lab Technologist In-charge	Magadi Hospital	"
North Rift	62.	1) Dr. Kembai C. K. 2) Mark Chesang	MOH Lab Technologist	Eldama Ravine District hospital	Koibatek
	63.	1) Sr Theo John 2) Philomena Chepkemboi	Administrator Incharge Lab Technologist	Mercy Hospital	"
	64.	1) Dr. Shem Kiptoon 2) Haron Kibowen Cheberek	MOH Lab Technologist	Baringo District Hospital	Baringo
	65.	1) Dr. Bett 2) Wilson Cheserem	Medical Officer Lab Technologist	Iten District Hospital	Keiyo
	66.	1) Esther Chemboi 2) Augustine K. Barmao	Matron Lab Technologist	AIM Kapsowar Hospital	Marakwet
	67.	1) Mrs. Omitti 2) Ronald Mutamba	Matron Lab Technologist	Kapenguria District Hospital	West Pokot
	68.	1) Sr. Marcelina Murphy 2) Joel K. Rotino	Administrator Incharge Lab Technologist	Ortuni Mission Hospital	"
	69.	1) Mr. Otwani 2) Locheria Lomorukai	Nurse Incharge Lab Technologist	Lodwar District Hospital	Turkana
	70.	1) Dr. Thomas Ogara 2) Vincent K. Nantasi	MOH Lab Technologist	Kitale District Hospital	Trans Nzola
	71.	1) Pinon Waluntwa Wekati	Lab Technologist	Kitale Nursing Home	"
	72.	1) Patrick Chweya 2) Dorcas C. Mosong	Lab Manager Lab Technologist	Moi University	Uasin Gishu

	73.	1) George P. Chalko 2) K.M. John	Administrator In charge Lab Technologist	Cheptital District Hospital	"
	74.	1) Mrs. Marie Tarus 2) Lawrence K. Kiptanui	Deputy administrator Lab Technologist	Plateau Mission Hospital	"
	75.	1) Dr. David Rotich 2) Harun Musoga	MOH Lab Technologist	Kapsabet District Hospital	Nandi
	76.	1) Dr. Chumba John Cherulyu 2) Phillip K. Sang	MOH	Nandi District Hospital	"
	77.	1) Teresa N. Maricho 2) Grace Muthurama	Matron In charge Lab Incharge	Nanyuki District Hospital	Laikipia
	78.	1) S. Wachanga 2) Samson G. Muturui	Hospital Administrator Lab In charge	Olkaria District Hospital	"
	79.	1) Dr. Kibias 2) R. Lekarim	MOH Lab Technologist	Maralal District Hospital	"
WESTERN	80.	1) Dr. Robert Ayls 2) Benard Sande	Medical Superintendent Lab Technologist In charge	Kakamega P.G.H.	Kakamega
	81.	1) Benson Osoro 2) Nickson Onyando	Hospital Administrator Lab Technician In charge	Glory Nursing Home	"
	82.	1) Mr. Muganda 2) Wanalwa Austin	Clinical Officer In charge Lab Technician In charge	Lady Tharau Nursing Home	"
	83.	1) Anthonius O. Kaidi 2) Francis Machoni	Hospital Administrator Lab Technologist In charge	St. Elizabeth Hospital, Mukumu	"
	84.	1) Mr. Jedei	Hospital Administrator	Maraba Nursing Home	"
	85.	1) Catherine Onyango Onyanyo 2) Nicholas Kongo	Hospital Administrator Lab Technician In charge	Highway Nursing Home	"
	86.	1) Keti Baraza 2) Elizabeth Kilino	Hospital Administrator Lab Technologist In charge	Bungoma District Hospital	Bungoma
	87.	1) Dr. D. S. Onitumba 2) Silvester A., Mukeni	Medical Officer Lab Technologist	Webuye Sub district Hospital	"
	88.	1) Muyasa Onyango 2) Charles Wakhunga	Hospital Administrator Lab Technologist	Friends Lugulu Hospital, Webuye	"
	89.	1) Gladys N. Wekesa	Sister In-charge	Kimilili Medical Centre	"
	90.	1) Dr. Wabela 2) Emily Egesa 3) Irene Nasimiyu	MOH Lab Technician Lab Technician	Lumboka Memorial Hospital	"
	91.	1) Florence Simiyu	Lab Assistant	Miskhu Mission Hospital, Webuye	"
	92.	1) Samuel Achiki 2) Ayub L.Orina	Health Administrator Lab Technologist	Webuye Nursing Home	"
	93.	1) Jackline O. Masbei 2) Faith Kisesi	Matron In-charge District Medical Lab In-charge	Kapsokwony District Hospital	Mt. Elgon
	94.	1) Dr. Orange Benjamin 2) Fred Kiko	MOH Lab Technician In charge	Mwihila Mission Hospital, Yala	Mumias/ Butere
	95.	1) Ruth Bandi 2) Edward Lumwagi	Matron In charge District Lab Technologist	Butere/Mumias District Hospital	"
	96.	1) Dr. Florence Wanangwe 2) Mr. Leo	Lab In charge	St. Marys Hospital, Mumias	"
	97.	1) Edward Simuyu Wafuta	Lab Technologist In charge	Busia District Hospital	Busia
	98.	1) Ono Dismas 2) Livingstone onyono	Hospital administrator Lab technician	Alope Hospital	"
	99.	1) Egesa Emmanuel 2) Leonard Ombayo	Clinical Officer Hospital Matron	New Busia Nursing Home	"
	100.	1) Anita Thomas 2) Hamprey wanyama	Hospital Administrator Lab Technician In charge	Holy Family Hospital, Nangina	"
	101.	1) Joana Kafwa	Hospital In charge	Nambale Nursing Home	"
	102.	1) Mr. C. Oduor 2) Mrs Phidella Shimanyula	Clinical Officer In charge Lab Technologist In charge	Vihiga District Hospital	Vihiga
	103.	1) Thomas Amalemba Ilote 2) Patrick Luyali	Hospital Administrator Lab Technologist In charge	Friends Kaimosi Hospital	"
NYANZA	104.	1) Dr. Ochier	Director RBTS	RBTS Kisumu	Kisumu
	105.	1) J.M. Ochieng Shao 2) S.O. Okerch	Hospital Administrator Lab Technologist	New Nyanza P.G.H.	"
	106.	1) Dr. James O. Otieno 2) Hezron Juma Okoth	Medical Superintendent District Lab Technologist	Kisumu District Hospital	"
	107.	1) Prof. Thomas Ariba Ogada 2) Mr. Fred Urungino	Medical director Lab Technologist In charge	H. H. Agha Khan, Kisumu	"
	108.	1) Dr. T.K. Paul 2) Joseph Opondo	MOH In charge Lab Technologist In charge	Jaram Nursing Maternity	"

	109.	1) Heten Oblino 2) Rebeccah Nerima	Matron Lab Technician in charge	Maseno Hospital	"
	110.	1) Dr. D.O. Ogina 2) Nyambene O. Ezekiel	MOH in charge Lab Technician in charge	Boya Rural Maternity	"
	111.	1) Dr. J. Mukhuto 2) George Ochleug	MOH in charge Lab Technician in charge	Whitestone Hospital	"
	112.	1) Sr. Alice Chelangar 2) Sr Seraphine	Matron in charge Lab Technologist in charge	St. Josephs Hospital Nyabondo	"
	113.	1) Dr. Arun Setty	MOH	Koru Nursing Home	"
	114.	1) Dr. Obongo George 2) Alice W. Sunguti	MOH Lab Technologist	Siaya District Hospital	Siaya
	115.	1) David O. Awour 2) Nassir A. Kombo	RCO in charge Lab Technologist in charge	Yala Subdistrict Hospital	"
	116.	1) Perez Chlanda 2) Edward Ochleug Abok	Matron District Lab Technologist	Rachuonyo District Hospital	Rachuonyo
	117.	1) Dr. E. Odhira 2) Elisha Abok	MOH Lab Technologist in charge	Kendu Bay Mission Hospital	"
	118.	1) Edwin Peter Obondi 2) Benson Odhiambo	Administrator Lab in charge	Masogo Nursing Home	"
	119.	1) Dr. Paul Dache 2) Ogola Bosco Kennedy	MOH Lab Technologist	Matata Nursing Home	"
	120.	1) Dr Ochiola Onyango 2) J. Ogutu	MOH in charge District Lab Technologist	Lady Margaret Nursing Home	Homa Bay
	121.	1) St Paul Catholic Health Centre 2) Julius Atuti Bonyi	Matron Lab Technician in charge	Manyatta SDA Church	"
	122.	1) Joel Mege 2) Daniel Owino Nanzai	Matron District Lab Technologist	Homa Bay District Hospital	"
	123.	1) Andrew G. Malit 2) Tobias G. Nyajong	Matron District Lab Technologist	Migori District Hospital	Migori
	124.	1) Dr. Wilfred G. Machage 2) Josephat Gichana	MOH Lab Technician in charge	Pastor Machage Nursing Home	"
	125.	1) Julius Karanja Mburu 2) Stephen O. Olare	Health Administrator Lab Technician in charge	Buffalo Nursing Home	"
	126.	1) Dr C.O. Ojuka	MOH in charge	Sori Lakeside Nursing Home	"
	127.	1) Daniel Onsare 2) Raphael Obare	Clinical Officer in charge Lab Technician in charge	Oruba Nursing Home	"
	128.	1) Dr. D.O. Ogullo 2) Simon Akoko	MOH Lab Technician in charge	St. Josephs Mission Hospital Migori	"
	129.	1) Charles R. Obembo 2) Motari Rioba	Medical Superintendent District Lab Technologist in charge	Kehancha District Hospital	Kuria
	130.	1) Sr Mary Paul Aora	Matron in charge	Isebanj Nursing Maternity Home	"
	131.	1) Leonard M. Olnde 2) Ogoti O. Zachery	Matron in charge District ologist in charge	Ogembo District Hospital	Gucha
	132.	1) Anthony Keriga 2) Victor Nyakina	Matron Lab Technician in charge	Akemo Valley Maternity & Nursing Home	"
	133.	1) Francisco Avi 2) Moses M. Mosembe	MOH in charge Lab Technologist in charge	Tabaka Mission Hospital	"
	134.	1) Dr. Ruhanga 2) Samuel Ongwae	MOH District Lab Technologist	Kisii District Hospital	Kisii
	135.	1) Grace N. Ontiri 2) Victoria Iminza Baire	Matron Lab Technician in charge	Bosongo Medical Centre	"
	136.	1) Dr. Christa Marianne 2) Jackline N. Igwora	MOH in charge Lab Technologist in charge	Christa Marianne Hospital and Nursing Home	"
	137.	1) Dr. G.N. Rajira 2) Jared N. Ogwae	MOH in charge Lab Technician	Getembe Nursing Home	"
	138.	1) E Manduku 2) P. Maraga	Hospital Administrator Lab in charge	Hema Hospital	"
	139.	1) Isaac M. Nyaraila 2) Samuel Langat	In charge Lab in charge	Keroka Nursing Home	"
	140.	1) Hebisiba Nyamwaya 2) Charles Norwabe	Matron in charge Lab Technologist in charge	Nyamira District Hospital	Nyamira
	141.	1) Dr. Stanley Asande	MOH in charge	Fairview Maternity	"
	142.	1) Robert Sawe 2) George Okari	Hospital Administrator Lab in charge	Nyamira Maternity & Nursing Home	"
EASTERN	143.	1) Dr. Muraguri 2) Stanley K. Njagi	MOH Laboratory Technologist in-charge	Embu P.G.H.	Embu
	144.	1) Bartholomew M. Mashauri	Lab Technician	Ishara District Hospital	Ishara
	145.	1) Christine Kimanthi 2) Harrison Kimanthi		Chuka District Hospital	Tharaka Nithi
	146.	1) Mrs. Mbonye 2) Lillive Kawira Njagi	Nursing Officer in charge In charge	Consolata Hospital Chuka	"

	147.	1) Festus Nkonge 2) Peter Gachoki	Hospital Administrator Laboratory In-charge	PCEA Hospital Chogoria	"
	148.	1) J.M. Anamplu	Medical Lab Technologist	Meru District Hospital	Meru District
	149.	1) Dr. J.M. Kitavi 2) Jason Malingi Anamplu	Medical Superintendent Lab Technician	Milimani Maternity Nursing Home	"
	150.	1) Sis Maria Rosa	MD	St Anns Hospital Egoli.	"
	151.	1) Flora A. Muteitha 2) Shirley K. Mbitu	Nursing Officer In charge Lab Technologist	Nyambene Sub-District Hospital	Nyambene
	152.	1) Dr. G. Kivani 2) Samuel Kithinji	Medical Officer	Maua Methodist Hospital	"
	153.	1) Dr Rhingu 2) Paul Gikunda	MOH Lab Technologist In charge	Tigania Mission Hospital	"
	154.	1) N.P. Mworla 2) Eustace K. Kamunde	Lab In charge	Istoto District Hospital	Istoto
	155.	1) Samson K. Mutwira 2) Mrs. Mwenche	Senior Health Administration Officer Lab Technologist	Machakos District Hospital	Machakos
	156.	1) Samuel M. Nderitu 2) P.M. Masaka	Officer Incharge Lab Technologist Incharge	Kathiani Hospital	"
	157.	1) Dr. T.M. Muthoka 2) Janleth N. Irungu 3) Patrick M. Mutiso	Medical officer I/N Lab Technologist Lab Technologist	Kangundo District Hospital	"
	158.	1) Sr Ritzy 2) Tesmy Paul	Administrator Lab Technologist	Bishop Kioko Hospital	"
	159.	1) Antony Adengu 2) Benson Shimbira	Hospital Administrator Lab Technologists	Dr Onyango Maternity & Nursing Home/Shalom	"
	160.	1) Sr. Goretta B 2) Joel Mutuku	Administrator Lab Technologist	Kikoko Mission Hospital	"
	161.	1) D.M. Muema 2) Calorene Malingi	Clerk	Machakos Health Care Centre	"
	162.	1) Dr. Kioko J.K. 2) John Musembi	Lab Technician	Makindu District Hospital	Makueni
	163.	1) Mrs. Ogada 2) Kiokio P. Killo		Makueni District Hospital	"
	164.	1) Dr. John B. Mutunga 2) Mathias W. Kimanzi	MOH Lab Technologist	Kitui District Hospital	Kitui
	165.	1) Sr. Theresa Wayugi 2) Peter Nzioka Wathome	Nursing Officer Incharge Lab Technician	Muthale Mission Hospital	"
	166.	1) Lucy Mutuku 2) Daniel K. Makau	HCO Lab Technologist Incharge	Mwingi Hospital	Mwingi
NORTH EASTERN	167.	1) Rashid Sheik Osman 2) Hassan Hussein Nurie 3) Dr. S. Chidageya	Lab Technologist Lab Technologist MOH	Garissa P.G.H.	Garissa
	168.	1) Afia A. Hassan 2) Dr. Moktar	Lab Technologist Incharge MOH	Mandera District Hospital	Mandera
	169.	1) Said K. Mohammed 2) Dr. A. Mwandema 3) Slyad K. Mohamed	Deputy Lab Technician MOH Deputy Lab Technologist	Wajir District Hospital	Wajir
	170.	1) Buke Diba 2) Dr. Wako	Hospital Incharge MOH	Marsabit District Hospital	Marsabit
	171.	1) Ibrahim Mahad 2) Dr. Jama Wolde	DMLT Incharge MOH	Moyale District Hospital	Moyale
COAST	172.	1) Mwanyumba 2) Micheal Wario	Provincial Medical Lab Technologist Medical Lab Technician Incharge	Coast P.G.H.	Mombasa
	173.	1) Dr. Mwangaru 2) Patrick Lumumba Wapegu	MOH Medical Lab Technologist Incharge	New Port Rietz Maternity	"
	174.	1) Zubeda Dedani 2) Nilesh yagadia	Director Patient Services Medical Lab Technician Incharge	H. H. Agha Khan Hospital	"
	175.	1) Michael Mwenda	Registered Nurse	Galana Hospital	"
	176.	1) James Ruchiu	Medical Lab Technologist	Mombasa Hospital Associate	"
	177.	1) Mrs. V.R. Asher 2) Mr. Rajesh Shukla	Hospital Administrator Lab Incharge	Pandya Memorial Hospital	"
	178.	1) Namu Samuel 2) E.M. Ndoro		Kinango District Hospital	Kwale
	179.	1) Joseph Mutisya 2) Hamud N. Mwanguga	Hospital Administrator Medical Lab Technician Incharge	Kwale District Hospital	"
	180.	1) Lydia Mulewa 2) R. Ngando	Hospital Matron Medical Lab Technologist Incharge	Msamibweni District Hospital	"
	181.	1) Dr. Aluda M. 2) Clement Ngando	Medical Officer Incharge Medical Lab Technician Incharge	Kilifi district Hospital	Kilifi
	182.	1) S.K. Chengo 2) Binti M. Sumuni	Hospital Administrator Medical Lab Technologist Incharge	St. Luke Hospital	"



	183.	1) Dima Galole 2) Juma S. Mangi	Nursing Officer on duty Medical Lab Technologist Incharge	Malindi District Hospital	Malindi
	184.	1) Stanley K. Makau 2) Godfrey Kikonje	District Public Nurse of Health Medical Lab Technologist Incharge	Lamu District Hospital	Lamu
	185.	1) Dr. Walthaka K. 2) Said Marlo	MOH Medical Lab Technologist Incharge	Hola District Hospital	Tana River
	186.	1) S.M. Mulhi 2) S. Komora	Nursing Officer Incharge Medical Lab Technologist Incharge	Ngao Hospital	"
	187.	1) Simon M. Mallu 2) Robert Maghanga	Health Administrator Medical Lab Technologist Incharge	Voi District Hospital	"
	188.	1) Maud Mwachalo 2) Harriet Munyao	Hospital Matron Medical Lab Technologist Incharge	Voi Medical Health Care	"

## D) VOLUNTARY COUNSELLING & TESTING CENTERS

PROVINCE	NAME		INSTITUTION	DESIGNATION	DISTRICT
NAIROBI	Wambua Kingo	1.	RBTS Nairobi		Nairobi
	Fatuma Warlo	2.	Mbagathi Hospital		"
	Menuch Antonio	3.	Pumwani Maternity Hospital		"
	Wilson Kimondo Karuri	4.	Avenue Nursing Home		"
	Shila Patel	5.	Gertrude Garden Children's Home		"
	Dr. Mayhall	6.	Guru Nanak Ranaghar Singh Hospital		"
	Damilan Auma Sangany	7.	Masaba Hospital		"
	Sis Masila Therlo	8.	Metropolitan Hospital		"
	Hussein Roba	9.	Nairobi Hospital		"
	Dr Balbir Singh Panwar	10.	Nairobi West Hospital		"
	Mr Wambua	11.	Mater Misericordie Hospital		"
CENTRAL	Susan Mwangi Cecilea Wanjitu	12.	Nyeri P.G.H.	Deputy head vct Deputy head vct	Nyeri
	Mary Gichuru Robert Gathleri	13.	Karatina District Hospital	KRCHN KECN	"
	Beatrice Gichuhi	14.	Consolata Hospital Nyeri	Community nurse	"
	Dr Rose Otiemo	15.	North Kinangop Catholic Hospital	Medical Officer	"
	Francis K. Githua Moses M. Mungai	16.	Muranga District Hospital	KRN KRN	Muranga
	Mulinge	17.	Thika District Hospital	VCT In-charge	Thika
	Jane Njoroge Sarah Kinyanjui	18.	Gatundu District Hospital		"
	Janelica Maruira	19.	St Mary Mulamba Hospital		"
	Rose Mwaniki	20.	Kiambu District Hospital	KRN	Kiambu
	Anne Wathichi Ieloon	21.	Naivasha District Hospital		"
	Kihara Ndungu	22.	Molo District Hospital		"
	Charles Makambi	23.	Mathare Mental extension, Gilgil	Matron	"
	Mrs Mwangi	24.	Chemugundai Hospital		"
	Elijah Bil	25.	Tenwek Hospital	Counsellor	"
	E. Kufudu	26.	Lolotokrok Sub-district Hospital		"
	Philomena Chepkemot	27.	Mercy Hospital		"
	Robert Wafula Simlyu	28.	Baringo District Hospital		Baringo
	M.K. Yator	29.	Iten District Hospital		Kelso
	Teresa Magomere	30.	Kitale District Hospital		Trans Nzola
	Gateua Mungai	31.	Moi University		Uasin Gishu
	Douglas Otwoma	32.	Kapsabet District Hospital		Nandi
	Beatrice W. Mwangi	33.	Nanyuki District Hospital	KRN	Laikipia
	Julia W. Mugo	34.	Olkalao District Hospital	KRN/Counsellor	"
	WESTERN	Veronica Lugonzo	35.	Kakamega P.G.H.	
Benson Osoro		36.	Glory Nursing Home	Incharge	"
Muganda		37.	Lady Tharau Nursing Home	MD	"
Shiyenzi Lichima		38.	St. Elizabeth Hospital, Mukumu		"
Mr Jedel		39.	Maraba Nursing Home		"
Catherine Onyango		40.	Highway Nursing Home		"
Zelun Agufana		41.	Bungoma District Hospital		Bungoma
Facility Closed		42.	Lady Irene Nursing Home		"
Charles Kaluba		43.	Lumboka Memorial Hospital		"
Agnes Masinde		44.	Misikhu Mission Hospital, Webuye	Enrolled Community Nurse	"
Duncan Korir		45.	Kapsokwon District Hospital	DASCO	Mt. Elgon
Dr Oonges		46.	Mwihila Mission Hospital, Yala		Mumias/ Butere
Edward Lumwagi		47.	Butere/Mumias District Hospital		"
Clement Ongaya Oluwa		48.	Busia District Hospital		Busia
Humphreys Nabulinlo		49.	Alupe Hospital	Assistant VCT I/C	"
Egesa Emmanuelli		50.	New Busia Nursing Home	N.H. Incharge	"
Grace Abuti Chitema		51.	Holy Family Hospital, Nangina		"

	Jolna Kafwa	52.	Nambale Nursing Home	Hospital Incharge	"
	Mr C. Odour	53.	Vihiga District Hospital		Vihiga
	Thomas A. Ilote	54.	Friends Kalmosi Hospital		"
	Josephine Damaris Akinyi	55.	Nyanza P.G.H.		"
	Erick O. Ariri	56.	Kisumu District Hospital		"
	Prof. Thomas Ariba Ogada	57.	H. H. Agha Khan, Kisumu		"
	Dr. J. Makhulo	58.	Nyawita Maternity/Whitestone		"
	Duncan A. O. Obonyo				
	Celline Ndoto	59.	Siaya District Hospital		Siaya
	Jane Osewe	60.	Yala Subdistrict Hospital		"
	H.S.O. Rapsano	61.	Rachuonyo District Hospital		Rachuonyo
	Jennifer O. Kanyi	62.	Manyatta SDA Church/St. Pauls Catholic		"
	Fredrick Omlah	63.	Homa Bay District Hospital		"
	Tom Arunga	64.	Kehancha District Hospital		Kurla
		65.	Isebanj Nursing Maternity Home		"
	Yahesh M. Onsongo	66.	Ogembo District Hospital		Gucha
	Wilson Barongo	67.	Nyamira District Hospital		Nyamira
EASTERN	B. W. Mbogo	68.	Embu P.G.H.		Embu
	John Njeru Ngare	69.	Ishlara District Hospital	Enrolled Com. Nurse	Ishlara
	F. N. Wandukere	70.	Chuka District Hospital		Tharaka Nithi
	Rose K. Gatua	71.	Meru District Hospital		Meru Central
	Rose Zhiacajuk	72.	St Anns Hospital Egoff.	MD	"
	Beatrice Ntonjira	73.	Nyambene Sub-District Hospital	KRN	Nyambene
	Dr. Rlungu DN	74.	Tigania Mission Hospital		"
	Stephen M. Kiriga	75.	Isiolo District Hospital	DASCO	Isiolo
	Peter Mulinge katale	76.	Kathiani Hospital	KRN	Machakos
	Timothy Mwangi Mwaniki	77.	Kangundo District Hospital	Lab Technician	"
	Sir Ritzy	78.	Bechany Hospital		"
	Antony Adunya	79.	Dr Onyango Maternity & Nursing Home/Shalom		"
	Poretta Biberua	80.	Kikoko Mission Hospital		"
	D.D. Muema	81.	Machakos Health Care Centre		"
	Peter M. Katall	82.	Machakos District Hospital	KRN	"
	John Kitonga	83.	Makindu District Hospital		Makuent
NORTH EASTERN	Hassan Hussein Nilrie	84.	Garissa P.G.H.		Garissa
	Afdin Hassan	85.	Mandera District Hospital		Mandera
	Siyad K Mohammed	86.	Wajir District Hospital		Wajir
COAST	Mary Wamugunda	87.	Coast P.G.H.		Mombasa
	Donald Chival Chiriba	88.	Mombasa Hospital Associate		"
	Kamanza Mwatela	89.	Kilifi district Hospital		Kilifi
	Irene Okoth	90.	Malindi District Hospital		Malindi
	Godfrey Kikonje	91.	Lamu District Hospital		Lamu
	Bontaya Dema	92.	Hola District Hospital		Tana River

## QUESTIONNAIRES

### (QUESTIONNAIRE I)

#### MINISTRY OF HEALTH HEADQUARTERS

#### (RESPONDENT: PERMANENT SECRETARY/DIRECTOR OF MEDICAL SERVICES)

- i) Give a brief overview of the country's National Blood Transfusion System (BTS).

.....  
.....

- ii) To what extent do you think the BTS in Kenya is meeting the country's requirements for safe blood?

- Very effective   
Fairly effective   
Not effective

- iii) Please explain your answer to (ii) above

.....  
.....

- iv) Do you think that the Government should have a policy on blood transfusion system?

.....  
.....

- v) What role should the Government play in the Blood transfusion system?

.....  
.....

- vi) Would you recommend a centralized blood transfusion system within regional centres or hospital based blood banks?

.....  
.....

- vii) What is your view on the existing National Blood Transfusion System in respect of the adequacy of:

- a) Policies, strategies and programmes?  
Very adequate   
Fairly adequate   
Not adequate

Briefly state the existing policies, strategies and programmes

.....

b) Legal framework?

- Very adequate
- Fairly adequate
- Not adequate

Briefly state the existing legal framework

.....

c) Organisation and management?

- Very adequate
- Fairly adequate
- Not adequate

Briefly state the existing organisation and management structures

.....

d) Operations and quality control procedures?

- Very adequate
- Fairly adequate
- Not adequate

Briefly state the existing operations and quality control procedures

.....

.....

e) Facilities and equipment?

- Very adequate
- Fairly adequate
- Not adequate

Briefly state the existing facilities and equipment.

.....

.....

f) Staffing?

- Very adequate
- Fairly adequate
- Not adequate

Briefly state the existing staffing status

.....

.....

- g) Budgetary provision?
- Very adequate
  - Fairly adequate
  - Not adequate

Briefly state the existing budgetary provision levels.

.....

.....

- h) Ministerial support?
- Very adequate
  - Fairly adequate
  - Not adequate

Briefly state the existing ministerial support.

.....

.....

- i) Resource mobilisation
- Very adequate
  - Fairly adequate
  - Not adequate

Briefly state the existing resource mobilisation programmes.

.....

.....

- vii) To what extent does the existing reporting system support decision making at policy level?

- Fully supports
- Partly support
- Does not support

Briefly state the existing reporting system.

.....

.....

- viii) What is your view on the need to standardise the reporting system of the BTS?

.....

.....

- ix) What is the ministry's policy on blood screening?

.....

.....

- x) What other screening types could be included to the existing range?  
.....  
.....
- xi) What collaborative arrangements are in place with other organisations e.g. WHO, USAID, UNCEF, towards ensuring adequate and safe blood by BTS?  
.....  
.....
- xii) What are the main constraints affecting the effective delivery of services by the National Blood Transfusion Services in Kenya today?  
.....  
.....
- xiii) What would be done to improve the delivery of services by the National Blood Transfusion Services?.....  
.....  
.....

**NAME OF INTERVIEWEE.....**  
**POSITION OF INTERVIEWEE.....**  
**NAME OF INTERVIEWER.....**  
**DATE OF INTERVIEW.....**

**(QUESTIONNAIRE II)**  
**MINISTRY OF HEALTH PROVINCES AND DISTRICTS**  
**(RESPONDENTS: PMO, PCLT, DMO, DCLT)**

Name of Interviewee \_\_\_\_\_ Province/District \_\_\_\_\_

Designation: PMO   
PCLT   
DMO   
DCLT

i) Please give a brief overview of the province/district blood transfusion services.  
.....  
.....

ii) Please explain your involvement in the blood transfusion services in the Province/district?

- None
- Supervision
- Monitoring
- Budget allocation
- Quality control
- Mobilising donors
- Other (specify) .....

iii) In your view, is the blood transfusion system adequate in the following:

**Policies:**

- Very adequate
- Fairly adequate
- Not adequate

Explain the existing policies and your view.

.....  
.....

**Legal framework:**

- Very adequate
- Fairly adequate
- Not adequate

Explain the existing legal framework and your view.

.....  
.....



**Strategies:**

- Very adequate
- Fairly adequate
- Not adequate

Explain the existing strategies and your view.

.....

.....

**Programmes:**

- Very adequate
- Fairly adequate
- Not adequate

Explain the existing programmes and your view.

.....

.....

**Organisation and management:**

- Very adequate
- Fairly adequate
- Not adequate

Explain the existing organisation and management structures and your view.

.....

.....

**Quality control:**

- Very adequate
- Fairly adequate
- Not adequate

Explain the existing quality control procedures and your view.

.....

.....

iv) What are the safe blood requirements in your province/district?

- Daily \_\_\_\_\_ units
- Weekly \_\_\_\_\_ units
- Monthly \_\_\_\_\_ units
- Annually \_\_\_\_\_ units
- Not sure \_\_\_\_\_ Not sure

v) On average how many units of blood are collected in the province/ district?

- Daily \_\_\_\_\_ units

Weekly \_\_\_\_\_ units  
 Monthly \_\_\_\_\_ units  
 Annually \_\_\_\_\_ units  
 Not sure \_\_\_\_\_ Not sure

vi) Please provide us with information on demand and supply of blood in the last six years for your province/district:

Year	Blood units		
	Requirements	Actual collections	Surplus/Deficit
2001			
2000			
1999			
1998			
1997			
1996			
1995			

vii) Please provide the following information on health facilities:

	Number	Remarks
Health facilities providing Blood Transfusion Services		
Number of health facilities with adequate and working Equipment		
Number of health facilities with adequate and qualified Personnel		
Number of health facilities with adequate laboratory units		
Number of health facilities with regular and adequate supply of test kits, reagents and bags		
Number of health facilities with adequate budgetary provisions		
Number of facilities screening blood		
Number of health facilities currently screening blood		

vii) Please list the type of blood screening carried out in provincial and district health facilities.

.....  
 .....

- viii) Please list the main sources of blood in the province/district.  
 .....  
 .....
- ix) What programmes are in place to ensure supply of adequate blood for the province/district::
- Donor motivation Programmes  
 .....  
 .....
- Recruitment programmes  
 .....  
 .....
- Retention programmes  
 .....  
 .....
- Voluntary donor list  
 .....  
 .....
- Replacements/relatives  
 .....  
 .....
- x) Please list the donors who support various programmes  
 .....  
 .....
- xi) What institutional arrangements are there to ensure continued supply of blood from schools/institutions of higher learning?
- |                           |                          |
|---------------------------|--------------------------|
| Holding regular talks     | <input type="checkbox"/> |
| Awareness creation        | <input type="checkbox"/> |
| Distribution of brochures | <input type="checkbox"/> |
| Promotional materials     | <input type="checkbox"/> |
| Other (specify) _____     | <input type="checkbox"/> |
- xii) What is your assessment of the BTS reporting system with respect to:
- a) Data capture and processing  
 .....  
 .....

b) Standardised reporting

.....  
.....

c) Consistency at facility level and BTS centre at NPHLS

.....  
.....

d) Supporting operations and management decisions

.....  
.....

**NAME OF INTERVIEWEE.....**

**POSITION OF INTERVIEWEE.....**

**NAME OF INTERVIEWER.....**

**DATE OF INTERVIEW.....**

**(QUESTIONNAIRE III)  
NATIONAL PUBLIC HEALTH LABORATORY SERVICE  
(RESPONDENT: DIRECTOR/HEAD OF BLOOD TRANSFUSION SERVICES)**

**SECTION A: OBJECTIVE**

i) Please give a brief overview of the National blood transfusion system in Kenya.

.....  
.....

ii) How would you rate the effectiveness of the National Blood Transfusion system in Kenya in meeting the country's requirements for safe blood?

Very effective

Fairly effective

Not effective

iii) Please explain your answer to (i) above?

.....  
.....

**SECTION B: POLICIES, STRATEGIES AND PROGRAMMES**

i) What are the policies governing the BTS in Kenya?

.....  
.....

ii) What are the strategies being used to ensure adequate supply of safe blood countrywide?

.....  
.....  
.....

iii) What programmes are in place in furtherance of the BTS mandate?

.....  
.....

iv) What do you consider to be the main constraints of the BTS?

.....  
.....

v) What plans are in progress to address policy, strategies and programme constraints?

.....  
.....

**SECTION C: LEGAL FRAMEWORK**

i) Does the BTS have adequate legal framework to support its activities? Yes   
No

ii) If the answer to (i) above is Yes, please state the existing legal framework?  
.....  
.....

iii) If the answer to (i) above is No, please state the shortcoming of the existing legal framework.  
.....  
.....

iv) What is being done to address the shortcomings?  
.....  
.....

**SECTION D: ORGANISATION AND MANAGEMENT**

i) Does the BTS have adequate organizational and management structures in place to effectively discharge its responsibilities? Yes  No

ii) If the answer to (i) is YES, please briefly explain the structures in place?  
.....  
.....

iii) If the answer to (i) above is No, please state the organizational and management problems?  
.....  
.....

iv) How are the problems being addressed?  
.....  
.....

**SECTION E: FACILITIES, EQUIPMENT AND SUPPLIES**

i) How would you assess the adequacy of the following aspects of the BTS?

- Facilities:**
- Very adequate
  - Fairly adequate
  - Not adequate

Explain the existing status and your view.

.....  
.....

**Equipment:**

- Very adequate
- Fairly adequate
- Not adequate

Explain the existing status and your view.

.....  
.....

**Supplies:**

- Very adequate
- Fairly adequate
- Not adequate

Explain the existing status and your view.

.....  
.....

**SECTION F: STAFFING**

- i) Does the National Blood Transfusion System have adequate and qualified staff to carry out the activities? Yes  No

ii) Please list details of the staff in National blood transfusion system in the table below:

Designation	Number required	Number in place	Shortfall
Medical officer			
Clinical officer			
Registered Nurse			
Enrolled Nurse			
Laboratory Technologist			
Laboratory Technician			
Counsellors/Motivation officers			
Administrator			
Medical Records officer			
Other support staff			

- ii) Are staff well motivated to carry out their activities?  
 Yes  No
- v) If the answer to (iii) above is No, please give reasons for your answer?

.....  
 .....

**SECTION G: DONOR MOTIVATION AND RECRUITMENT**

i) Are there adequate programmes for:

- a) Donor motivation? Yes  No

Explain the existing programmes and required improvements

.....  
 .....

- b) Donor recruitment? Yes  No

Explain the existing programmes and required improvements

.....  
 .....

- c) Donor selection? Yes  No

Explain the existing procedures and required improvements

.....  
 .....

- d) Donor retention? Yes  No



Explain the existing programmes and required improvements

.....  
.....

e) Voluntary donor programmes? Yes  No

Explain the existing programmes and required improvements

.....  
.....

vi) What is being done to address issues of donor motivation, recruitment, selection and retention?

.....  
.....

**SECTION H: QUALITY STANDARDS**

i) What quality control guidelines are in place to ensure good practice during :

a) Blood donation

	Guidelines/procedures
Facilities and equipment	
Staffing	
Donor preparation	
Blood handling	
Blood transport	
Bags	

b) Blood screening

	Guidelines/procedures
Facilities and equipment	
Staffing	
Screening preparation	
Blood handling	
Blood storage	
Test kits and supplies	

c) Blood transfusion

	Guidelines/procedures
Facilities and equipment	
Staffing	
Recipient preparation	
Blood handling	
Needles and other supplies	

- ii) What are the main problems in quality assurance?

.....  
.....

**SECTION J: CLINICAL USE**

- i) What procedures are in place to ensure appropriate clinical use of blood?

.....  
.....  
.....

- ii) What are the main problems affecting appropriate use of blood?

.....  
.....

**SECTION K: INFORMATION SYSTEM**

- i) Briefly give an overview of the existing BTS reporting system.

.....  
.....

- ii) What is your view of the current BTS information system in relation to:

- a) Space

.....  
.....

- b) Equipment

.....  
.....

- c) Staff

.....  
.....

- d) Supplies

.....  
.....

- e) Funding

.....  
.....

- f) Procedures:

- Data capture

.....  
.....

- Data processing  
.....  
.....
- Data storage and retrieval  
.....  
.....
- Reports and Utilisation of information  
.....  
.....

iii) Does the information system provide users with useful information on:

- Blood supply levels  
.....  
.....
- Blood demand levels  
.....  
.....
- Blood stock levels  
.....  
.....
- Distribution of blood  
.....  
.....
- Blood utilization at all hospitals  
.....  
.....

iv) What is your view of the reliability of the information in the BTS system, at various levels, in regard to:

- a. Completeness  
.....  
.....
- b. Consistency

.....  
.....

c. Accuracy

.....  
.....

d. Comparability between actual records and physical stocks

.....  
.....

v) Please explain the need for standardising BTS reporting system.

.....  
.....

vi) How is information shared among stakeholders?

.....  
.....

vii) Please state any constraints with the existing information system?

.....  
.....

viii) What is being done to address the constraints?

.....  
.....

**NAME OF INTERVIEWEE.....**  
**POSITION OF INTERVIEWEE.....**  
**NAME OF INTERVIEWER.....**  
**DATE OF INTERVIEW.....**

**(QUESTIONNAIRE IV)  
NATIONAL INSTITUTIONS  
(RESPONDENT : DIRECTOR)**

**Name of Institution** .....

i) What are your responsibilities/roles with regard to Blood Transfusion System (BTS) In Kenya?

.....  
.....

ii) What other roles could you play in support of BTS?

.....  
.....

iii) What other organisation(s) could be involved in support of BTS?

.....  
.....

iv) In your view, is the blood transfusion system adequate in the following:

**Policies:**

- Very adequate
- Fairly adequate
- Not adequate

State the existing policies and your view

.....  
.....

**Legal framework:**

- Very adequate
- Fairly adequate
- Not adequate

State the existing legal framework and your view.

.....  
.....

**Strategies:**

- Very adequate
- Fairly adequate
- Not adequate

State the existing strategies and your view.

.....  
.....

**Programmes:**

- Very adequate
- Fairly adequate
- Not adequate

State the existing programmes and your view.

.....  
.....

**Organisation and management:**

- Very adequate
- Fairly adequate
- Not adequate

State the existing organisation and management structures and your view.

.....  
.....

**Quality control:**

- Very adequate
- Fairly adequate
- Not adequate

State the existing quality control procedures and your view.

.....  
.....

v) What programmes and activities has your organisation put in place to support the development and management of the BTS?

.....  
.....

vi) What collaborative arrangements do you have with the BTS?

.....  
.....

vii) What in your view would be done to improve collaborative arrangements?

.....  
.....

- viii) What type of information do you normally require from BTS?  
.....  
.....
- ix) Do you get regular and accurate reports?    Yes         No
- x) If the answer to (ix) above is No, what is the problem and how would it be resolved?  
.....  
.....
- xi) If the answer to (ix) above is YES, what more report would you need?  
.....  
.....
- xii) What role could NGOs/Private sector play in ensuring safe, high quality and efficient BTS in Kenya?  
.....  
.....
- xiii) What is your experience with regard to BTS in cases of emergencies?  
.....  
.....
- xiv) How can the BTS in Kenya be improved specifically with regard to safety, quality, resources, efficiency and effectiveness?  
.....  
.....

**NAME OF INTERVIEWEE.....**  
**POSITION OF INTERVIEWEE.....**  
**NAME OF INTERVIEWER.....**  
**DATE OF INTERVIEW.....**



**(QUESTIONNAIRE V)  
STUDY ON BLOOD TRANSFUSION SYSTEM IN KENYA**

**HOSPITAL/BLOOD CENTRE FACILITY ASSESSMENT**

Facility name:	Facility code:	District code:
Type of facility: (enter H= hospital; HC= health center; N= nursing home;		
Facility administration (enter G= Government; M =Mission; P= Private;		
Date:	Team code:	Surveyor code:

**PART I: RESPONDENT: HOSPITAL IN CHARGE**

FAQ1	WHAT GEOGRAPHICAL AREA DOES THE FACILITY SERVE?	<input type="checkbox"/> 1 Province <input type="checkbox"/> 2 District <input type="checkbox"/> 3 Several districts		
FAQ 2	WHAT IS THE ESTIMATED POPULATION SERVED BY THIS FACILITY?	<input type="checkbox"/> 1 Over 500,000 <input type="checkbox"/> 2 Over 100,000 <input type="checkbox"/> 3 Over 50,000 <input type="checkbox"/> 4 Other -----Specify		
FAQ3	WHAT IS THE BED CAPACITY OF THE FACILITY?	----- Total Beds ----- Beds in use ----- Bed occupancy 2000		
FAQ4	WHAT SERVICES ARE PROVIDED AT THIS FACILITY	<input type="checkbox"/> 1 Outpatient only <input type="checkbox"/> 2 Outpatient and inpatient <input type="checkbox"/> 3 Maternity only <input type="checkbox"/> 4 Nursing home <input type="checkbox"/> 5 VCT <input type="checkbox"/> 6 ICU		
FAQ5	HOW MANY PERSONS DID YOU ATTEND TO IN EACH OF THE LISTED CATEGORIES IN 2000?	-----1 Outpatient only -----2 Outpatient and inpatient -----3 Deliveries -----4 Operations -----5 VCT -----6 ICU		
GAQ 6	IN THIS FACILITY HOW MANY POSTS ARE IN THE ESTABLISHMENT AND HOW MANY ARE OCCUPIED BY STAFF CATEGORY?			
		Established Posts	Required	Occu
FAQ 6A	PHYSICIANS			
B	SURGEONS			
C	OBSTRETRICIAN/GYNAECOLOGIST			
D	PEADIATRICIANS			
E	RADIOLOGISTS			

F	PATHOLOGISTS		
G	HAEMATOLOGIST/PATHOLOGIST		
H	ANAEMIOLOGISTS		
I	MEDICAL OFFICERS		
J	CLINICAL OFFICERS		
K	REGISTERED NURSES		
L	ENROLLED NURSES		
M	ENROLLED COMMUNITY NURSES		
N	LABOTATORY TECHNOLOGISTS		
O	LABORATORY TECHNICIANS		
P	PHARMACISTS		
Q	PHARMACEUTICAL TECHNICIANS		
R	PHARMACEUTICAL TECHNOLOGISTS		
S	HEALTH ADMINISTRATORS		
T	ACCOUNTANTS		
U	OTHER		
FAQ7	IS BLOOD TRANSFUSION APPROVED IN THIS FACILITY (i.e. Use of blood not prohibited by the management/owner of facility? If the Answer to FAQ7 is NO, record details of the reasons why transfusion is prohibited then terminate the Interview at this stage.	<input type="checkbox"/> 0 No <input type="checkbox"/> 1 Yes If No, Why?----- ----- -----	
FAQ8	WHAT BLOOD TRANSFUSION SERVICES DOES THIS FACILITY PROVIDE?	<input type="checkbox"/> 0 None <input type="checkbox"/> 1 Collection center <input type="checkbox"/> 2 Screening <input type="checkbox"/> 3 Grouping <input type="checkbox"/> 4 Transfusion <input type="checkbox"/> 5 Regional center <input type="checkbox"/> 6 Other -----(Specify)	
FAQ9	DO YOU HAVE GUIDELINES ON BLOOD TRANSFUSION?	<input type="checkbox"/> 0 No <input type="checkbox"/> 1 Yes Explain:----- -----	
FAQ10	DO YOU HAVE A COMMITTEE ON BLOOD TRANSFUSION?	<input type="checkbox"/> 0 No <input type="checkbox"/> 1 Yes Explain:----- -----	
FAQ11	DO YOU HAVE A UNIT/SECTION/DEPARTMENT FOR BTS?	<input type="checkbox"/> 0 No <input type="checkbox"/> 1 Yes	
FAQ12	HOW MANY ROOMS ARE ALLOCATED TO THE BLOOD TRANSFUSION SERVICES?	<input type="checkbox"/> 0 None <input type="checkbox"/> 1 One <input type="checkbox"/> 2 Two <input type="checkbox"/> Others -----(Specify)	
FAQ13	DO YOU CONSIDER THIS SPACE ADEQUATE?	<input type="checkbox"/> 1 No <input type="checkbox"/> 2 Yes <input type="checkbox"/> 3 Not sure	

FAQ14	ARE STAFF ALLOCATED TO BLOOD TRANSFUSION SERVICES?	<input type="checkbox"/> 0 No <input type="checkbox"/> 1 Yes		
FAQ815	IN THIS FACILITY HOW MANY POSTS IN THE BLOOD TRANSFUSION SERVICES ESTABLISHMENT AND HOW MANY ARE OCCUPIED BY STAFF CATEGORY?  Enter number	Enter number of established posts and occupied		
		Established Posts	Required	Occupied
15A	PATHOLOGIST			
B	MEDICAL OFFICER			
C	CLINICAL OFFICER			
D	REGISTERED NURSE			
E	ENROLLED NURSE			
F	LABORATORY TECHNOLOGIST			
G	LABORATORY TECHNICIAN			
H	COUNSELLORS			
I	OTHERS LIST.....			
FAQ16	WHO IS IN CHARGE OF THE BLOOD TRANSFUSION?	<input type="checkbox"/> 1 Enrolled nurse <input type="checkbox"/> 2 Registered nurse <input type="checkbox"/> 3 Laboratory Technician <input type="checkbox"/> 4 Laboratory Technologist .....(Specify)		
FAQ17	WHAT ARE TERMS OF EMPLOYMENT FOR THE PERSON IN CHARGE OF THE BTS?	<input type="checkbox"/> 1 Part time <input type="checkbox"/> 2 Full time		
FAQ 18	WHAT ARE YOUR BLOOD REQUIREMENTS?	.....Units daily .....Units weekly .....Units monthly .....Units annually		
FAQ 19	HOW MUCH BLOOD DO YOU COLLECT?	.....Units daily .....Units weekly .....Units monthly .....Units annually		
FAQ20	WOULD YOU PREFER A REGIONAL BLOOD TRANSFUSION CENTRE SET UPOR YOUR OWN BTS FACILITY?	<input type="checkbox"/> 1 Facility based BTS <input type="checkbox"/> 2 Regional Centre <input type="checkbox"/> 3 Not sure		

**NAME OF INTERVIEWEE.....**  
**POSITION OF THE INTERVIEWEE.....**  
**NAME OF INTERVIEWER.....**  
**DATE OF INTERVIEW.....**

**PART II: RESPONDENT: HEAD OF BTS**

FAQ 1	WHAT TYPE OF BLOOD DONORS GIVE BLOOD USED FOR TRANSFUSION AT THIS FACILITY?	<input type="checkbox"/> 1 Auto-transfusion <input type="checkbox"/> 2 Replacement /Direct/Relatives <input type="checkbox"/> 3 Paid <input type="checkbox"/> 4 Registered donors <input type="checkbox"/> 5 Schools /colleges <input type="checkbox"/> 6 Volunteers <input type="checkbox"/> 7 Other -----(Specify)
FAQ2	WHO IS RESPONSIBLE FOR MOBILISING FOR BLOOD DONATION AT YOUR FACILITY?	<input type="checkbox"/> 1 Facility/Hospital <input type="checkbox"/> 2 Patient & family <input type="checkbox"/> 3 Other organization -----(Specify)
FAQ3	HOW DO YOU ENSURE CONSTANT AVAILABILITY OF BLOOD?	<input type="checkbox"/> 1 Regular storage <input type="checkbox"/> 2 Donation on demand <input type="checkbox"/> 3 No plans
FAQ4	ON AVERAGE HOW MUCH BLOOD DO YOU REGULARLY HAVE IN STORAGE?	----- No. litres ----- Variable
FAQ5	HOW DO YOU OBTAIN BLOOD IN CASE OF EMERGENCY NEED?	<input type="checkbox"/> 1 Call registered donor <input type="checkbox"/> 2 Call institutional groups <input type="checkbox"/> 3 General call on radio
FAQ6	HOW MUCH BLOOD (VOLUME) DO YOU NORMALLY TAKE AT A TIME FROM A DONOR?	<input type="checkbox"/> 1 200 – 250 mls <input type="checkbox"/> 2 400 – 500 mls <input type="checkbox"/> 3 more <input type="checkbox"/> 4 Other
FAQ7	DOES THE FACILITY HAVE A BLOOD DONATION ORGANIZATION ASSOCIATION?	<input type="checkbox"/> 1 No <input type="checkbox"/> 2 Yes <input type="checkbox"/> 3 Planned for
FAQ8	WHO CARRIES OUT BLOOD SCREENING AT THIS FACILITY?	<input type="checkbox"/> 1 Enrolled nurse <input type="checkbox"/> 2 Registered nurse <input type="checkbox"/> 3 Clinical officer <input type="checkbox"/> 4 Laboratory technician <input type="checkbox"/> 5 Laboratory technologist <input type="checkbox"/> 6 Pathologist <input type="checkbox"/> 7 Other -----(Specify)
FAQ 9A	DO YOU CARRY OUT ROUTINE TESTS (Haemoglobin Heamtocrit, RBC, WBC)	<input type="checkbox"/> 0 Not done <input type="checkbox"/> 1 Done sometimes <input type="checkbox"/> 2 Always done
FAQ9B	HBS	<input type="checkbox"/> 0 Not done <input type="checkbox"/> 1 Done somehow <input type="checkbox"/> 2 Always done
FAQ 9C	CROSS MATCHING	<input type="checkbox"/> 0 Not done <input type="checkbox"/> 1 Done sometimes <input type="checkbox"/> 2 Always done

FAQ 10	DO YOU SCREEN FOR THE FOLLOWING?	<input type="checkbox"/> 0 Not done <input type="checkbox"/> 1 Done somehow <input type="checkbox"/> 2 Always done
A	HIVI/2	<input type="checkbox"/> 0 Not done <input type="checkbox"/> 1 Done sometimes <input type="checkbox"/> 2 Always done <input type="checkbox"/> 3 Kit and equipment seen
B	HEPATITIS B	<input type="checkbox"/> 0 Not done <input type="checkbox"/> 1 Done sometimes <input type="checkbox"/> 2 Always done <input type="checkbox"/> 3 Kit and equipment seen
C	HEPATITIS C	<input type="checkbox"/> 0 Not done <input type="checkbox"/> 1 Done sometimes <input type="checkbox"/> 2 Always done <input type="checkbox"/> 3 Kit and equipment seen
D	SYPHILIS	<input type="checkbox"/> 0 Not done <input type="checkbox"/> 1 Done sometimes <input type="checkbox"/> 2 Always done <input type="checkbox"/> 3 Kit and equipment seen
E	MALARIA	<input type="checkbox"/> 0 Not done <input type="checkbox"/> 1 Done sometimes <input type="checkbox"/> 2 Always done <input type="checkbox"/> 3 Kit and equipment seen
F	TRYPONOSOMIASIS	<input type="checkbox"/> 0 Not done <input type="checkbox"/> 1 Done sometimes <input type="checkbox"/> 2 Always done <input type="checkbox"/> 3 Kit and equipment seen
G	OTHERS Specify..... ..... .....	<input type="checkbox"/> 0 Not done <input type="checkbox"/> 1 Done sometimes <input type="checkbox"/> 2 Always done <input type="checkbox"/> 3 Kit and equipment seen
FAQ 11	HOW MUCH BLOOD DO YOU TAKE FOR LAB INVESTIGATION FROM DONATED BLOOD?	<input type="checkbox"/> 1 mls 1 <input type="checkbox"/> 2 mls 2 <input type="checkbox"/> 3 mls 5 <input type="checkbox"/> 4 mls 10 or more
FAQ 12	WHAT KIND OF BLOOD IS USED FOR TRANSFUSION AT THIS FACILITY?	<input type="checkbox"/> 1 Fresh blood <input type="checkbox"/> 2 Reserved blood <input type="checkbox"/> 3 Self donor
FAQ 13	HOW LONG DO YOU STORE BLOOD BEFORE BEING DISCARDED?	<input type="checkbox"/> 21 days <input type="checkbox"/> 28 days ----- (Specify)
FAQ 14	WHERE DO YOU GET BLOOD FOR TRANSFUSION AT THIS FACILITY?	<input type="checkbox"/> 1 Order from blood bank <input type="checkbox"/> 2 Prepared in this facility/ Hospital <input type="checkbox"/> 3 Other ----- (Specify)
FAQ 15	IS BLOOD MADE AVAILABLE ON EVERY REQUEST?	<input type="checkbox"/> 1 Rarely <input type="checkbox"/> 2 Some time

FAQ16	USUALLY, HOW LONG DOES IT TAKE TO RECEIVE BLOOD FROM THE TIME A REQUEST IS MADE?	<input type="checkbox"/> 3 Always available <input type="checkbox"/> 1 < 1 hour <input type="checkbox"/> 2 1-2 hours <input type="checkbox"/> 3 3-4 hours <input type="checkbox"/> 4 24 hours <input type="checkbox"/> 5 > 24 hours ----- (Specify)
FAQ17	WHO DECIDES THAT BLOOD SHOULD BE TRANSFUSED AT THIS FACILITY?	<input type="checkbox"/> 1 Enrolled nurse <input type="checkbox"/> 2 Registered nurse <input type="checkbox"/> 3 Clinical officer <input type="checkbox"/> 4 Medical officer <input type="checkbox"/> 5 Other ----- (Specify)
FAQ18	WHO COLLECTS BLOOD FOR GROUPING AND CROSS MATCHING?	<input type="checkbox"/> 1 Enrolled nurse <input type="checkbox"/> 2 Registered nurse <input type="checkbox"/> 3 Clinical officer <input type="checkbox"/> 4 Laboratory technician <input type="checkbox"/> 5 Laboratory technologist <input type="checkbox"/> 6 Any Clinical staff ----- (Specify)
FAQ19	WHO ADMINISTERS THE BLOOD TRANSFUSION TO PATIENTS AT THIS FACILITY?	<input type="checkbox"/> 1 Enrolled nurse <input type="checkbox"/> 2 Registered nurse <input type="checkbox"/> 3 Clinical officer <input type="checkbox"/> 4 Laboratory technician <input type="checkbox"/> 5 Laboratory technologist <input type="checkbox"/> 6 Medical officer <input type="checkbox"/> 7 Anaesthesiologist <input type="checkbox"/> 8 Other ----- (Specify)
FAQ20	WHO MONITORS THE TRANSFUSION?	<input type="checkbox"/> 1 Same person who administe <input type="checkbox"/> 2 More than 1 person <input type="checkbox"/> 3 Nurse on duty <input type="checkbox"/> 4 Relative(s)
FAQ21	HOW IS THE DECISION TO GIVE BLOOD TO A PATIENT REACHED AT THIS FACILITY?	<input type="checkbox"/> 0 No written guidelines <input type="checkbox"/> 1 Clinical observation <input type="checkbox"/> 2 Laboratory results <input type="checkbox"/> 3 Written guidelines not seen <input type="checkbox"/> 4 Written guidelines seen <input type="checkbox"/> 5 Emergency surgery <input type="checkbox"/> 6 Elective Surgery
FAQ22	ARE THERE ADEQUATE FACILITIES TO CARRY OUT BLOOD TRANSFUSION ACTIVITIES?	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not working <input type="checkbox"/> 2 Available works sometimes <input type="checkbox"/> 3 Always working
FAQ 23	ARE THERE ADEQUATE EQUIPMENT TO CARRY OUT TRANSFUSION ACTIVITIES?	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not working <input type="checkbox"/> 2 Available works sometimes <input type="checkbox"/> 3 Always working

FAQ24.	ARE THERE ADEQUATE SUPPLIES TO CARRY OUT BLOOD TRANSFUSION ACTIVITIES?	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Sometimes in stock-out <input type="checkbox"/> 2 Sometimes rationed <input type="checkbox"/> 3 Always in stock
FAQ25	WHAT KINDS OF ANTICOAGULANT DO YOU USE IN BLOOD BAGS?	<input type="checkbox"/> 1 ACD <input type="checkbox"/> 2 CPD <input type="checkbox"/> 3 CPDI Additives <input type="checkbox"/> 4 Other .....(Specify)
FAQ26	HOW DO YOU USE THE NEEDLES FOR TAKING BLOOD?	<input type="checkbox"/> 1 Recycle <input type="checkbox"/> 2 Disposed after single use
FAQ27	HOW DO YOU USE THE NEEDLES FOR GIVING BLOOD?	<input type="checkbox"/> 1 Recycle <input type="checkbox"/> 2 Disposed after single use
FAQ 28	ARE CLEAR POLICIES ON EACH OF THESE ASPECTS OF BTS AVAILABLE? Collect copy text	
A	BLOOD DONORS	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure
B	COLLECTING BLOOD FROM DONORS	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure
C	SCREENING OF BLOOD	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure
D	STORAGE OF BLOOD	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure
E	RELEASE & TRANSPORT OF BLOOD FOR USE	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure
F	TRANSFUSING OF BLOOD	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure
FAQ 29	ARE CLEAR GUIDELINES ON EACH OF THESE ASPECTS OF BTS AVAILABLE? Collect copy text	
A	BLOOD DONORS	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure

B	COLLECTING BLOOD FROM DONORS	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure
C	SCREENING OF BLOOD	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure
D	STORAGE OF BLOOD	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure
E	RELEASE & TRANSPORTATION OF BLOOD FOR USE	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure
F	TRANSFUSION OF BLOOD	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure
FAQ 30	WHAT IS YOUR VIEW OF THE CURRENT BTS INFORMATION SYSTEM IN RELATION TO:	
A	SPACE	<input type="checkbox"/> 0 Not adequate <input type="checkbox"/> 1 Adequate
B	EQUIPMENT	<input type="checkbox"/> 0 Not adequate <input type="checkbox"/> 1 Adequate <input type="checkbox"/> 2 Under-utilised
C	COMPUTERS	<input type="checkbox"/> 0 Not adequate <input type="checkbox"/> 1 Adequate <input type="checkbox"/> 2 Under-utilised
D	STAFF	<input type="checkbox"/> 0 Not adequate <input type="checkbox"/> 1 Adequate <input type="checkbox"/> 2 Under-utilised
E	SUPPLIES	<input type="checkbox"/> 0 Not adequate <input type="checkbox"/> 1 Adequate <input type="checkbox"/> 2 Under-utilised
F	FUNDING	<input type="checkbox"/> 0 Not adequate <input type="checkbox"/> 1 Adequate <input type="checkbox"/> 2 Under-utilised
FAQ 31	ARE THERE ADEQUATE AND CLEAR GUIDELINES ON THE FOLLOWING ASPECTS OF THE BTS INFORMATION SYSTEM	
	DATA CAPTURE (List document of original entry)	<input type="checkbox"/> 0 Not adequate <input type="checkbox"/> 1 Adequate <input type="checkbox"/> 2 Adequate but not used



	DATA PROCESSING (List records maintained)	<input type="checkbox"/> 0 Not adequate <input type="checkbox"/> 1 Adequate <input type="checkbox"/> 2 Adequate but not used
	DATA STORAGE AND RETRIEVAL (List tools used)	<input type="checkbox"/> 0 Not adequate <input type="checkbox"/> 1 Adequate <input type="checkbox"/> 2 Adequate but not used
	REPORTS & UTILISATION (List report produced and their distribution)	<input type="checkbox"/> 0 Not adequate <input type="checkbox"/> 1 Adequate <input type="checkbox"/> 2 Adequate but not used

**PART III, A FACILITY FACT SHEET**

S/No	Item description	Seen? Yes /No	Adequate	Not adequate	Condition of item	Utility rating	Remarks
	Reception Area						
	Laboratory unit						
	Wash rooms						
	Stores						
	Finance department						
	Records and data department						
	Office of Administrator						
	Office of Laboratory of In- charge						
	Counselling room						
	Library and audio visual room						
	24 Hrs telephone exchange						
	Conference hall						
	Independent room for taking blood						
	Desks for taking blood						
	Couch for donor while donating						
	Rubber band/Torniquete						

**Utility rating:**  
 Always used - 1  
 Frequently used - 2  
 Moderately used - 3  
 Rarely used - 4  
 Never used - 5

**Condition Rating**  
 Good - 1  
 Bad - 2

**PART III,B: EQUIPMENT FACT SHEET**

S/No	Item description	Seen? Yes /No	Supplier	Model /Type	Quantity required	Quantity available	Condition of item	Purpose	Utility rating	Remarks
	Couches/beds for bleeding donors									
	Refrigerators for unscreened blood									
	Refrigerators for unscreened blood									
	Elisa Machines complete with all components (Alisa reader)									
	Colorimeter									
	Sphygmomanometer									
	Stethoscope									
	Ordinary centrifuge									
	Blood pressure machines									
	Hot air oven									
	Water baths									
	Binocular microscopes									
	Autoclaves for sterilization									
	Incinerators									
	QBC system for malaria									
	Safety cabinets									
	Auto counter for blood (coulter)									
	Deep freezer									
	Centrifuge									
	Centrifuge for HT									
	Centrifuge for blood									

	bags								
	Incubator								
	Plasma extractors								
	Fluorescent microscope								
	Safety cabinet								

**Utility rating:** Always used - 1  
 Frequently used - 2  
 Moderately used - 3  
 Rarely used - 4  
 Never used - 5

**Condition**  
 Not working - 1  
 Working - 2  
 Sometime working - 3





**PART VI: FACT SHEET ON THE LAST 12 MONTHS**  
**A). BLOOD DONATION IN THE LAST 12 MONTHS**

Month	No. of units Donated						Total Units	Units Screened	Units used	Units Rejected	Units discarded	Amount Available	Total Units Used at Facility	Total Units released to others
	1	2	3	4	5	6								
September 2001														
August 2001														
July 2001														
June 2001														
May 2001														
April 2001														
March 2001														
February 2001														
January 2001														
December 2000														
November 2000														
October 2000														
Total														

**Legend**

- |    |                    |   |                           |   |                  |
|----|--------------------|---|---------------------------|---|------------------|
| 1. | Registered Donors  | 3 | School /College Campaigns | 5 | Other Campaigns  |
| 2. | Replacement Donors | 4 | Paid Donors               | 6 | Auto Transfusion |

**PART VI, B BLOOD SCREENING FOR LAST 12 MONTHS**

Month	Units screened	HIV			Hepatitis B			Syphilis			Malaria			Other			Remarks
		+ve	-ve	Not done	+ve	-ve	Not done	+ve	-ve	Not done	+ve	-ve	Not done	+ve	-ve	Not done	
September 2001																	
August 2001																	
July 2001																	
June 2001																	
May 2001																	
April 2001																	
March 2001																	
February 2001																	
January 2001																	
December 2000																	
November 2000																	
October 2000																	
Total																	



**PART VI,C BLOOD TRANSFUSION FOR LAST 12 MONTHS**

Month	No. of Units				Pregnancy		Anaemia		Accident	Surgical	Other
	Own bank	Other Sources	Auto transfusion	Total	Hemorrhage	Caesarian	Pediatric	Adult			
September 2001											
August 2001											
July 2001											
June 2001											
May 2001											
April 2001											
March 2001											
February 2001											
January 2001											
December 2000											
November 2000											
October 2000											
Total											

**PART VI, D Problems Encountered**

Problem	Frequent	Moderate	Rare	Remarks
Transport				
Refreshment				
Blood bags				
Screening facilities				
Donor shortage				
Incentives				
Other				

**PART VI, E Transfusion Reactions in the last 12 months (1-10-2000 to 30-9-2001)**

Type of reaction	Number reported	Number investigated	Number of deaths
All Reactions			
ABO Incompatibility			
Rh Incompatibility			
Other Hemolytic reactions			
Infections	Hepatitis B		
	Syphilis		
	Malaria		
	HIV		
	Others		
Thrombophlebitis			
Circulatory overload			
GVHD			
Carelessness			
Other (list)			

**PART VI, F Blood Group by Donor Type in the last 12 months (1-10-2000 to 30-9-2001)**

Type of donor	A +ve	A-ve	B +ve	B-ve	O +ve	O-ve	AB +ve	AB-ve
Registered donors								
Paid donor								
Auto-transfusion								
All donors								

**PART VII Income and Expenditure in the last 12 months (1-10-2000 to 30-9-2001)**

**A. Income from Blood sales (Total last 12 months)**

Item description	No of units	Unit price	Total income	allocation	Surplus/deficit	Remarks
Whole blood						
RBC blood						
Fresh concentrates						
Cryoprecipitate						
Unscreened blood						
Others						
Total						

**B: Expenditure on blood collection and processing**

No. of	QTY	Unit price	Total cost	Total	Surplus deficit
Blood bag					
Kits					
Needles					
Personnel					
Transport					
Storage					
Maintenance					

## **Other Information**

1. What are the major constraints affecting your outputs in BTS and how could they be improved?
  - a] Staffing
  - b] Working conditions
  - c] Facilities, equipment and supplies
  - d] Donor recruitment
  - e] Operational guidelines
  - f] Quality control
  - g] Reporting systems
  - h] Budgetary provisions
2. What are the main complaints from donors?
3. What is the attitude of donors?
4. What are the patient rights with regard to blood transfusion?
5. What programmes are in place for the following aspects.
  - a] Donor motivation
  - b] Donor recruitment

c] Donor selection

d] Donor retention

6. What other blood screening for infections do you think should be introduced? (e.g. trypanosomiasis)

7. What is your view on specificity and sensitivity of screening kits, bags and equipment?

**NAME OF INTERVIEWEE.....**  
**POSITION OF THE INTERVIEWEE.....**  
**NAME OF INTERVIEWER.....**  
**DATE OF INTERVIEW.....**

**(QUESTIONNAIRE VI)  
STUDY ON BLOOD TRANSFUSION SYSTEM IN KENYA  
VOLUNTARY COUNSELLING AND TESTING FACILITY ASSESSMENT**

**VCT FACILITY ASSESSMENT QUESTIONNAIRE (RESPONDENT: HEAD OF VCT)  
NAME OF FACILITY:.....**

Facility Name:	Facility Code:	District Code:
Type of facility: (enter H=Hospital; HC= Health Centre; N= Nursing Home:		
Facility Administration: (enter G-Government; M= Mission; P=Private:		
Date:	Team Code:	Surveyor Code:

**PART I**

FAQ 1	WHAT GEOGRAPHICAL AREA DOES THIS FACILITY SERVE?	<input type="checkbox"/> 1 Province <input type="checkbox"/> 2 District <input type="checkbox"/> 3 Several districts .....(Specify)		
FAQ 2	WHAT SERVICES ARE PROVIDED AT THE FACILITY?	<input type="checkbox"/> 1 Counselling & Testing <input type="checkbox"/> 2 Counselling <input type="checkbox"/> 3 Testing <input type="checkbox"/> 4 Other .....(Specify)		
FAQ 3	WHO ARE THE MAIN USERS OF THE FACILITY?	<input type="checkbox"/> 1 Children <input type="checkbox"/> 2 Women <input type="checkbox"/> 3 Youth <input type="checkbox"/> 4 Men <input type="checkbox"/> 5 Institutions <input type="checkbox"/> 6 Other .....(Specify)		
FAQ 4	WHAT ARE THE MAIN REASONS FOR SEEKING FACILITY SERVICES?	<input type="checkbox"/> 1 Partner Suspicious <input type="checkbox"/> 2 Past behaviour <input type="checkbox"/> 3 Marriage <input type="checkbox"/> 4 Prolonged Illness <input type="checkbox"/> 5 Known status +ve <input type="checkbox"/> 6 Other .....(Specify)		
FAQ 5	WHO FUNDS THE VCT's ACTIVITIES?	<input type="checkbox"/> 1 Government <input type="checkbox"/> 2 Donors <input type="checkbox"/> 3 NGO's <input type="checkbox"/> 4 Others .....(Specify)		
FAQ 6	IN THIS FACILITY, HOW MANY POSTS ARE IN THE ESTABLISHMENT AND HOW MANY ARE OCCUPIED	Enter number of established posts and occupied		
		Established Posts	Required	Occupied
FAQ 7A	MEDICAL OFFICERS			
B	CLINICAL OFFICERS			

C	COMMUNITY NURSES			
D	REGISTERED NURSES			
E	ENROLLED NURSES			
F	LABORATORY TECHNOLOGISTS			
G	LABORATORY TECHNICIANS			
H	COUNSELLORS			
FAQ 7 B	IN THIS FACILITY, HOW MANY STAFF ARE ON FULL TIME BASIS?	Enter number of full time or part time		
		Full time	Part time	
A	MEDICAL OFFICERS			
B	CLINICIAN OFFICERS			
C	REGISTERED NURSES			
D	ENROLLED NURSES			
E	LABORATORY TECHNOLOGISTS			
F	LABORATORY TECHNICIANS			
G	COUNSELLORS			
FAQ 7 C	IN THIS FACILITY, HOW MANY STAFF ARE EMPLOYEES?	Enter number of Employees and Volunteers		
		Employees	Volunteers	
A	MEDICAL OFFICERS			
B	CLINICAL OFFICERS			
C	REGISTERED NURSES			
D	ENROLLED NURSES			
E	LABORATORY TECHNOLOGISTS			
F	LABORATORY TECHNICIANS			
G	COUNSELLORS			
FAQ 8	HOW ARE THE ANNUAL PLANS OF ACTIVITIES PREPARED?	<input type="checkbox"/> 1 Steering Committee <input type="checkbox"/> 2 Head of VCT <input type="checkbox"/> 3 Individual Department <input type="checkbox"/> 4 Others .....(Specify)		
FAQ 9	WHO CARRIES OUT AWARENESS IN THIS FACILITY?	<input type="checkbox"/> 1 Community Nurses <input type="checkbox"/> 2 Registered Nurses <input type="checkbox"/> 3 Enrolled Nurses <input type="checkbox"/> 4 Counsellors <input type="checkbox"/> 5 Other .....(Specify)		
FAQ 10	WHO CARRIES OUT PRETEST COUNSELLING AT THIS FACILITY	<input type="checkbox"/> 1 Community Nurses <input type="checkbox"/> 2 Registered Nurses <input type="checkbox"/> 3 Enrolled Nurses <input type="checkbox"/> 4 Counsellors <input type="checkbox"/> 5 Other .....(Specify)		



FAQ 11	WHO CARRIES OUT TESTING AT THIS FACILITY?	<input type="checkbox"/> 1 Laboratory Technologists <input type="checkbox"/> 2 Laboratory Technicians <input type="checkbox"/> 3 Registered Nurses <input type="checkbox"/> 4 Enrolled Nurses <input type="checkbox"/> 5 Clinical Officers <input type="checkbox"/> 6 Other .....(Specify)
FAQ 12	WHO CARRIES OUT POST TEST COUNSELLING AT THIS FACILITY?	<input type="checkbox"/> 1 Community Nurses <input type="checkbox"/> 2 Registered Nurses <input type="checkbox"/> 3 Enrolled Nurses <input type="checkbox"/> 4 Counsellors <input type="checkbox"/> 5 Other .....(Specify)
FAQ 13	WHAT IS THE PURPOSE OF COUNSELLING FOR HIV POSITIVE PATIENTS?	<input type="checkbox"/> 1 Mental care <input type="checkbox"/> 2 Prevention of disease <input type="checkbox"/> 3 Prevention of spread of HIV <input type="checkbox"/> 4 Other .....(Specify)
FAQ 14	WHO RELEASES TEST RESULTS TO THE PATIENT AT THIS FACILITY?	<input type="checkbox"/> 1 Counsellors <input type="checkbox"/> 2 Medical Officers <input type="checkbox"/> 3 Clinical Officers <input type="checkbox"/> 4 Laboratory Technologists <input type="checkbox"/> 5 Laboratory Technicians <input type="checkbox"/> 6 Registered Nurses <input type="checkbox"/> 7 Enrolled Nurses <input type="checkbox"/> 8 Other .....(Specify)
FAQ 15	WHO CARRIES OUT CONFIRMATORY TESTING?	<input type="checkbox"/> 1 Your Centre <input type="checkbox"/> 2 District Hospital <input type="checkbox"/> 3 Other .....(Specify)
FAQ 15A	WHICH METHOD IS USED FOR CONFIRMATION TESTS?	<input type="checkbox"/> 1 Rapid <input type="checkbox"/> 2 Elisa <input type="checkbox"/> 3 Other .....(Specify)
FAQ 15B	HOW IS THE CONFIRMATION TEST CARRIED OUT?	<input type="checkbox"/> 1 Repeat with same method <input type="checkbox"/> 2 Use different method <input type="checkbox"/> 3 Other .....(Specify)
FAQ 16	HOW IS THE DECISION TO RELEASE RESULTS TO THE PATIENT REACHED?	<input type="checkbox"/> 0 No written guideline <input type="checkbox"/> 1 Written guidelines <input type="checkbox"/> 2 Other .....(Specify)

FAQ 17	WHAT PREVENTIVE MEASURES ARE OBSERVED IN THIS FACILITY?	<input type="checkbox"/> 0 No written guideline <input type="checkbox"/> 1 Written guidelines <input type="checkbox"/> 2 Other .....(Specify)
FAQ 18	WHAT TYPES OF HIV PREVENTIVE INTERVENTIONS ARE USED AT THE FACILITY?	<input type="checkbox"/> 1 Condoms <input type="checkbox"/> 2 Other .....(Specify)
FAQ 19	HOW IS INFORMATION MANAGED AT THIS FACILITY?	<input type="checkbox"/> 1 Report sent to higher level only <input type="checkbox"/> 2 Manual records up to date <input type="checkbox"/> 3 Computerised information systems
FAQ 20	HOW DO YOU RATE THE QUALITY OF THE INFORMATION SYSTEM AT THE FACILITY?	<input type="checkbox"/> 1 Highly unsatisfactory <input type="checkbox"/> 2 Satisfactory for facility needs <input type="checkbox"/> 3 Highly satisfactory for facility and others <input type="checkbox"/> 4 Other .....(Specify)
FAQ 21	WHO PREPARES COUNSELLING REPORTS?	<input type="checkbox"/> 1 Head of VCT <input type="checkbox"/> 2 Head of Records <input type="checkbox"/> 3 Other .....(Specify)
FAQ 22	WHO RECEIVES THE COUNSELLING REPORTS?	<input type="checkbox"/> 1 MOH <input type="checkbox"/> 2 NACC <input type="checkbox"/> 3 Other .....(Specify)
FAQ 23	DO YOU KEEP RECORDS OF HIV/AIDS DEATH CASES?	<input type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No
FAQ 24	WHERE ARE THE DEATH CASE REPORT SENT TO?	<input type="checkbox"/> 1 MOH <input type="checkbox"/> 2 NACC <input type="checkbox"/> 3 Other .....(Specify)
FAQ 25	ARE THERE ADEQUATE FACILITIES AVAILABLE AT THE FACILITY FOR VCT ACTIVITIES?	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not working <input type="checkbox"/> 2 Available not enough/adequate <input type="checkbox"/> 3 Always working .....(Specify)
FAQ 26	ARE THERE ADEQUATE EQUIPMENT AVAILABLE AT THIS FACILITY FOR VCT ACTIVITIES?	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not working <input type="checkbox"/> 2 Available working sometime <input type="checkbox"/> 3 Always working
FAQ 27	ARE THE FOLLOWING SUPPLIES TYPES AVAILABLE AT THIS FACILITY AND WHAT IS THE SUPPLY CONDITION OF EACH ? Enter response	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Sometimes available <input type="checkbox"/> 2 Sometimes rationed <input type="checkbox"/> 3 Always in stock
A	TESTING KITS	
B	NEEDLES & SYRINGES	
C	DISPOSAL NEEDLES AND SYRINGES	
D	CONDOMS	
E	OTHER	

FAQ 28A	ARE INTERVENTION SUPPLIES (CONDOMS) AVAILABLE AT THIS FACILITY?	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Sometimes available <input type="checkbox"/> 2 Sometimes rationed <input type="checkbox"/> 3 Always in stock
FAQ 28B	IS USE OF CONDOMS ACCEPTABLE?	<input type="checkbox"/> 1 Highly acceptable <input type="checkbox"/> 2 Average use <input type="checkbox"/> 3 Low use <input type="checkbox"/> 4 Not used
FAQ 29	ARE THERE CLEAR POLICIES ON EACH OF THE FOLLOWING ASPECTS OF THE VCT SERVICES?  COLLECT TEXT	
A	AWARENESS CREATION	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure
B	COUNSELLING	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure
C	TESTING	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure
D	PRIVACY & CONFIDENTIALITY	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure
E	CONSENT	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure
F	QUALITY ASSURANCE	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure
G	INFORMATION MANAGEMENT	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Available not displayed <input type="checkbox"/> 2 Available followed always <input type="checkbox"/> 3 Not sure

FAQ 30	ARE THERE CLEAR GUIDELINES ON EACH OF THE FOLLOWING ASPECTS OF THE VCT?	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Always not displayed <input type="checkbox"/> 2 Available always followed <input type="checkbox"/> 3 Not sure
	Collect list	
A	AWARENESS	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Always not displayed <input type="checkbox"/> 2 Available always followed <input type="checkbox"/> 3 Not sure
B	COUNSELLING	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Always not displayed <input type="checkbox"/> 2 Available always followed <input type="checkbox"/> 3 Not sure
C	TESTING	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Always not displayed <input type="checkbox"/> 2 Available always followed <input type="checkbox"/> 3 Not sure
D	PRIVACY AND CONFIDENTIALITY	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Always not displayed <input type="checkbox"/> 2 Available always followed <input type="checkbox"/> 3 Not sure
E	CONSENT	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Always not displayed <input type="checkbox"/> 2 Available always followed <input type="checkbox"/> 3 Not sure
F	QUALITY ASSURANCE	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Always not displayed <input type="checkbox"/> 2 Available always followed <input type="checkbox"/> 3 Not sure
G	REPORTING SYSTEM	<input type="checkbox"/> 0 Not available <input type="checkbox"/> 1 Always not displayed <input type="checkbox"/> 2 Available always followed <input type="checkbox"/> 3 Not sure







**PART D: STATISTICAL DATA**

Month	No. of Clients Counselling	No. of Tests	No. of HIV Positives	No. of HIV Negatives	No. of Confirmatory test	No. of Positive confirmed	No. of Negative confirmed	No. of Condoms supplied	No. of HIV Deaths
September 2001									
August 2001									
July 2001									
June 2001									
May 2001									
April 2001									
March 2001									
February 2001									
January 2001									
December 2000									
November 2000									
October 2000									