REPORT OF A COUNTRY-WIDE SURVEY

OF

HIV /AIDS SERVICES

IN

MALAWI

(for the year 2003)

National Tuberculosis Control Programme, MOH

HIV / AIDS Unit, Department of Clinical Services, MOH

National AIDS Commission

March 2004

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LIST OF ACRONYMS USED

| AIDS | Acquired immune deficiency syndrome | |
|-------|---|------------|
| ANC | Antenatal clinic | |
| ARV | Antiretroviral therapy | |
| CDC | Centres for Disease Control, Atlanta, USA | |
| СН | Central Hospital | |
| CHAM | Christian Health Association of Malawi | |
| CMS | Central Medical Stores | |
| CTX | Cotrimoxazole | |
| DAC | District AIDS Coordinator | |
| DH | District Hospital | |
| DHMT | District Health Management Team | |
| DOT | Directly observed treatment | |
| DTO | District TB Officer | Deleted: ¶ |
| ELISA | Enzyme linked immunosorbent assay | |
| EPTB | Extra-pulmonary tuberculosis | |
| GFATM | Global Fund for AIDS, Tuberculosis and Malaria | |
| HAART | Highly active antiretroviral therapy | |
| HBC | Home Based Care | |
| НС | Health Centre | |
| HMIS | Health Management Information System | |
| HIV | Human immunodeficiency virus | |
| MACRO | Malawi AIDS Counseling and Resource Organization | |
| MH | Mission Hospital | |
| МОН | Ministry of Health | |
| MSF | Medicins sans Frontieres | |
| NAC | National AIDS Commission | |
| NGO | Non-Governmental Organization | |
| NTP | National Tuberculosis Control Programme | |
| PLWHA | People living with HIV and AIDS | |
| PMTCT | Prevention of Mother to child transmission of HIV | |
| РТВ | Pulmonary tuberculosis | |
| RWBT | Rapid Whole Blood test | |
| QC | Quality control | |
| STI | Sexually transmitted infection | |
| ТВ | Tuberculosis | |
| VCT | Voluntary counseling and testing | |
| WHO | World Health Organization | |
| | | |

EXECUTIVE SUMMARY

Between January and March 2004, a country-wide survey was undertaken to obtain comprehensive and up-to-date information about HIV/AIDS services in the government and CHAM sectors in Malawi for the year 2003. The main findings are summarised below:-

- There were 117 sites (central, district, mission and rural hospitals; clinics and health centres; and stand-alone sites) performing HIV testing.
- There were a total of 215,269 HIV tests carried out in the year: these included 60,561 HIV tests on blood donors (28%), 26,791 tests on pregnant women for Prevention of Mother to Child Transmission of HIV PMTCT (12%), and 127,917 HIV tests on clients and patients (60%).

HIV-prevalence rates were 15% in blood donors, 13% in antenatal women and 29% in clients and patients.

Of 127,917 clients and patients tested, there were 48,333 persons who were tested in the three MACRO sites where the proportion of persons HIV-positive was 14%. There were 79,584 persons who were tested in the integrated health facility sites where the proportion of persons HIV-positive were 39%.

- There were 17 facilities providing PMTCT services. Of the 26,791 women tested for PMTCT services, 3,383 were HIV-positive and 2,198 mother-child pairs received nevirapine.
- There were 26,742 patients registered with TB in the public health facilities. HIV testing of TB patients occurred in 23 hospitals. Of registered TB patients, 3,983 (15%) were HIV tested, 2,734 (69% of those tested) were HIV-positive and 2,349 (87% of those HIV-positive) received cotrimoxazole adjunctive treatment.
- There were 9 sites providing HAART, and 3,703 patients started HAART during 2003.
- In the 57 health facilities assessed, there was some form of counseling and HIV testing (VCT). There was a total of 417 counselors, of whom 48 were full-time. 86 counselors had been trained in rapid whole blood testing. In 13 (23%) hospitals there was some form of external quality assurance of VCT. There were 51 health facilities, which provided VCT on five days a week. Thirty seven (65%) had one or more dedicated VCT rooms, and 41 (72%) had some form of VCT register to record data.
- There were 120 trained laboratory staff in these 57 health facilities, of whom 71 (59%) had been formally trained in rapid whole blood testing. There were 55 health facilities using rapid HIV test kits, usually Determine and Unigold. For clients and patients, all but one hospital used two tests (either parallel or serial). For blood donors, 27 hospitals used one test and 25 used two tests. Only one hospital had external quality control.

- There were 6 (11%) health facilities with stock-outs of HIV test kits in 2003. At the time of the visit, 3 facilities had no Determine in stock and 11 had no Unigold. In 8 (15%) hospitals, some of the Determine and Unigold test kits had expired.
- There was an improvement in HIV-AIDS services in 2003 compared with 2002. In 2003, there were another 47 sites providing VCT in the public health sector and another 65,729 persons HIV tested compared with the previous year. The number of blood donors tested and the number of persons visiting MACRO sites remained similar between the two years. The largest differences were in the increased number of women being HIV tested for PMTCT services and the increased numbers of clients and patients, including TB patients, being tested at integrated health facilities. The proportions of those tested who were HIV-positive were fairly similar in each year.
- With regard to VCT and HIV testing services in 2003 compared with 2002, there was a higher proportion of full-time counselors, more hospitals having dedicated VCT rooms and using some form of VCT register. External quality assurance was still weak. In the laboratories just over a quarter of hospitals had standardised blood donor registers, making the collation of HIV test data much easier than in the previous year. Rapid whole blood testing was the norm in both years, and all clients and patients in 2003 were being tested using serial or parallel testing. External quality control was virtually absent.
- Hospitals were assessed as to whether they had capacity to expand HIV-TB activities. There were 16 hospitals in 13 districts, which were selected for expansion of HIV-TB activities, the main activity being routine VCT and adjunctive CTX to patients found to be HIV-positive. The hospital staff will be trained between April and June, with implementation starting in July 2004. These will be additional to the existing 15 hospitals, which are already providing routine counseling and testing and cotrimoxazole adjunctive treatment for those HIV-positive.
- All health facilities, listed in Appendix 1 and some from Appendix 2 of the ARV Scale Up Plan, which not delivering ART stated that they could make a room available for ARV therapy. There was one hospital which stated it would have difficulty releasing a clinical officer for ARV duties because of staff shortages in the hospital. All health facilities stated they could release a nurse, a counselor and a clerk for ART delivery. A list of health facilities to be invited to the briefing sessions on ART scale up was prepared as a result of this assessment.

INTRODUCTION

HIV / AIDS in Malawi:

Malawi has one of the highest levels of HIV infection in the world, with AIDS now the leading cause of death among 15 - 49 year olds. In 2003, it was estimated that out of approximately 10.5 million people there were 900,000 adults and children living with HIV/AIDS. The estimated HIV/AIDS prevalence in adults (15-49 years) was 14.4%. This level of HIV infection in the adult population has remained constant in the last seven years. Every year, as many as 80,000 people in Malawi die from AIDS and another 110,000 new infections occur, most of these among young people.

HIV-TB epidemic:

The HIV epidemic has fuelled an equally severe tuberculosis (TB) epidemic. TB case notifications have risen by a factor of 500% between 1985 and 2001, and a country-wide survey in 2000 of TB patients found an HIV-seroprevalence rate of 77%. High rates of HIV infection has lead to increasing numbers of patients with "difficult to diagnose" smear-negative pulmonary TB (PTB), an increasing case fatality rate in patients with all types of TB and an increasing rate of recurrent disease.

Situational Analysis of HIV-AIDS services and HIV-TB services in 2002:

Between January to March 2003 a country-wide analysis was carried out to document HIV-AIDS services operating in 2002. There were 70 sites offering VCT, with a total number of 149,540 HIV tests carried out during that year. Of patients who were tested, just over 5,000 women attending ante-natal clinics were tested for PMTCT and about 35,000 clients and patients were tested in the integrated VCT sites. Just over 2000 TB patients (8% of those registered for treatment) were offered VCT. Given the state of the HIV epidemic in Malawi, these numbers were considered small. Antiretroviral (ARV) therapy was offered in three hospitals, and in 2002 a total of 1202 patients were started on HAART.

Deficiencies in counseling and HIV testing services were documented. A useful finding was that that hospitals with a high volume of HIV testing had more full-time counselors, counselors who undertook HIV testing themselves and a dedicated VCT room. A number of recommendations were made about how to scale up and improve VCT in the country. In particular, counseling services needed:- i) full-time counselors; ii) dedicated VCT rooms; iii) standardised VCT registers; iv) and regular quality assurance. HIV testing services in particular needed:- i) an uninterrupted supply of HIV test kits; ii) standardised guidelines about testing procedures; iii) standardised laboratory registers for blood donors; and iv) regular external quality control.

Based on objective assessment criteria, 15 hospitals in eleven districts were ear-marked for support for expanded HIV-TB activities, particularly routine VCT for all registered TB patients and adjunctive cotromoxazole for those found to be HIV-positive. This activity started in July 2003.

National Response:

The Government of Malawi has responded to the challenges posed by the HIV / AIDS epidemic, and this response was outlined in the previous situational analysis report. In brief, the National AIDS strategic plan was launched in October 1999. The plan is broad-based and includes a) the provision of an enabling environment, b) a behaviour change intervention and advocacy strategy, c) mainstreaming HIV/AIDS in the public and private sectors, d) a prevention programme and e) a comprehensive HIV/AIDS care and support programme. Malawi's development partners have pledged to support the implementation of elements of the National Strategic Plan over a five year period, key partners being DFID, USAID, the European Union, the UN Family Canadian CIDA and NORAD. Funds have started to flow. In addition, Malawi has started to receive funds from the Global Fund for AIDS, tuberculosis and malaria (GFATM), and these funds will be used to support a strengthened AIDS care and support programme. In 2004, Malawi also launched its HIV-AIDS Policy spelling out clearly what should be done in the country to tackle the HIV-AIDS epidemic.

The biomedical aspects of the HIV/AIDS response include:- voluntary counseling and testing (VCT), promotion of blood safety, infection control, prevention of mother to child transmission (PMTCT), control and management of sexually transmitted infections (STI), prevention and treatment of opportunistic infections [including tuberculosis], and the provision of antiretroviral drugs to patients with AIDS. NAC and the HIV/ AIDS Unit in the Ministry of Health (MOH) have made considerable progress in developing national guidelines and training materials for the implementation of several of these activities:-VCT; PMTCT; Community Home-based care; Use of antiretroviral therapy; and Treatment of HIV-related diseases.

As one of the major opportunistic infections associated with HIV/AIDS, the National TB Control Programme (NTP) developed a 5-Year TB Control Plan [2002-2006], which was approved and funded by the Government of Malawi and DFID, NORAD and KNCV as the interested development partners. Nested in this plan is a 3-year plan [2003 – 2006] for expanded HIV-TB activities, supported and funded in addition by USAID and WHO. The main elements of this plan are:- voluntary counseling and HIV testing services for TB patients, provision of isoniazid preventive therapy for HIV-infected persons who do not have TB, adjunctive cotrimoxazole preventive therapy to HIV-positive persons with TB, and provision of antiretroviral (ARV) therapy to patients with HIV-related TB.

One of the major HIV care-related activities to be implemented in 2004 is the national scale up of ARV therapy. A two-year plan has been developed and approved by the MOH with the main element being the implementation of first-line HAART in the major central, government and mission hospitals in Malawi during July - December 2004, provided those hospitals want to start ARV delivery and are assessed as ready to start. One of the important activities listed in the ARV Scale Up Plan was a country-wide situational analysis, which was listed as an activity to be undertaken in the first three months (January to March) of 2004.

AIM AND OBJECTIVES

The aim of this survey was to build on the previous country-wide situational analysis of HIV /AIDS services in Malawi for 2002, and obtain similar and additional data for 2003. The 2003 data was obtained with a view to informing the Ministry of Health (MOH), the National AIDS Commission (NAC) and the National TB Control Programme (NTP) about:-

- a) the current VCT and HIV testing and delivery services on the ground
- b) where to expand HIV-TB services particularly VCT and adjunctive cotrimoxazole for TB patients registered in the routine system
- c) the current state of ARV delivery services and the possibility for ARV scale up at facility level.

The survey focused on the government and mission health sector, including the health facilities of the Malawi Defence Forces and the Police.

There were 9 specific objectives:-

- 1. To identify all the sites in Malawi providing counseling and HIV testing in 2003
- 2. To document the number of persons who were HIV tested in Malawi in 2003, along with HIV test results
- 3. To document the status of PMTCT services for 2003
- 4. To assess the status of routine counseling and HIV testing for patients registered with tuberculosis (TB) and the use of adjunctive cotrimoxazole in 2003
- 5. To assess the number of sites and the number of patients who accessed ARV therapy in 2003
- 6. To record information on the currrent counseling and HIV testing services in the major health facilities in the country, particularly in those institutions ear-marked for ARV Scale up in 2004
- 7. To compare the status of HIV-AIDS services in 2003 with that provided in 2002
- 8. To assess which hospitals had strong enough HIV services and TB control services in order to expand the number of sites providing joint HIV-TB activities
- 9. To brief hospitals about the plans for ARV Scale Up and to explore with DHMTs whether human resources and infrastructure could be made available for Malawi's ARV Scale Up Plan for 2004.

METHODOLOGY

Background

The Ministry of Health and Population (MOHP) has the overall responsibility for health services in Malawi, and is the largest health service provider. The church mission sector (Christian Health Association of Malawi – CHAM) is the second largest. A private for profit sector has been developing for several years, but is concentrated predominately in the large urban cities and is still relatively small compared with MOHP and CHAM.

There are 45 major MOHP or CHAM hospitals in Malawi which, in addition to their other responsibilities, register and treat all the patients with tuberculosis (TB) in the country. These include 4 central hospitals (with Lilongwe central hospital divided into a top and bottom unit, and therefore making 5 units), 22 government district hospitals and 18 mission hospitals. Linked with these hospitals there are other mission and rural hospitals, hospitals run by the Malawi Defence Force and the Police, government and mission-run health centres, clinics and VCT centres, and 3 MACRO stand-alone sites. Hospitals and health facilities in which it was thought that ARV therapy might start in 2004 were visited and assessed using a structured proforma (see below). Other health facilities, which were doing VCT were also visited but not assessed in such detail.

Data Collection

In early January 2004, a structured proforma was developed to collect data for the HIV-AIDS situational analysis (**Annex 1**). Letters were sent in duplicate to the Medical Officers in charge of hospitals providing information about dates and timing of visits to the hospitals. In these letters requests were made that certain registers be made available and that interviews be conducted wherever possible with the district health management team, laboratory staff, AIDS coordinator and TB officer. All these hospitals were visited by a team consisting of Rhehab Chimzizi, Francis Gausi, Charity Golombe, Eluba Manda and Angela Knonyongwa between January and March 2003.

Each hospital visit was conducted in a similar way. The officer / deputy in charge of the hospital was greeted by the study team, and briefed about the purpose of the visit. Interviews were conducted with laboratory staff, counselors, pharmacy staff, TB officers, AIDS coordinators, nurses/ matrons and officers in charge. Information was documented on VCT services, VCT infrastructure, laboratory HIV testing procedures, HIV test kit stocks and ARV delivery services. In each laboratory a record was made of the number of persons HIV tested from January to December 2003 (blood donors and others). In many cases manual counting of the laboratory registers had to be carried out by the study team as numbers for the previous year or previous months had not been collated. VCT registers, ANC registers, TB registers and TB-VCT registers were also inspected and results of HIV testing for 2003 were recorded. If ARV therapy was provided then information on the number of patients being started on ART for 2003 were documented.

Laboratory staff, counselors and AIDS coordinators were also asked about other sites in the district where HIV testing and/or counseling services were provided. The study team then traveled to these sites to collect data on the numbers of persons HIV tested in 2003.

At the end of the hospital visit, the study team discussed with the District Health Management Team the findings of the survey and the ways forward. In particular, DHMTs were briefed about the current plans for ARV scale up in the country, and for those not yet providing ARV services they were asked about the possibility of releasing full-time staff for this activity and making available a dedicated room. Some of the hospitals were already providing routine counseling and HIV testing for TB patients. For those hospitals not yet providing this service, they were assessed according to criteria developed in early 2003 for support for starting VCT and cotrimoxazole for TB patients.

Data Analysis

Data was entered into an EPI-INFO software package, and data analysis conducted by Anthony Harries and Rhehab Chimzizi.

Funding modalities

Funding for the country-wide analysis were provided from STOP-TB, World Health Organization, Geneva as part of their support for expanded HIV-TB activities in Malawi. Funding was required for stationary, fuel, subsistence and accommodation. In total, the cost of the analysis was USD\$7,500.

FINDINGS

1. HIV testing sites in Government and CHAM health facilities in Malawi in 2003

There were 117 sites performing HIV testing in Malawi in 2003. These included:- a) 45 major MOH and CHAM hospital sites, which provided TB registration facilities, ie 5 central hospital sites, 22 district hospital sites and 18 mission hospital sites; b) 13 mission or rural hospital sites which were not TB registration units; c) 4 Army and 1 police hospital sites; d) 43 health centre sites; e) 8 counseling centre or clinic sites; f) 3 MACRO stand-alone sites, ie not integrated into hospital services. Details of these 117 sites are shown in **Annex 2**.

2. Number of persons HIV tested and HIV results in Malawi in 2003

Specific details of HIV tests and HIV-serostatus results in each of the 117 HIV testing sites are shown in **Annex 3**.

A total of 215,269 HIV tests were performed in Malawi in 2003. These included 60,561 HIV tests on blood donors (28%), 26,791 HIV tests on pregnant women for Prevention of Mother to Child Transmission of HIV - PMTCT (12%), and 127,917 HIV tests on clients and patients (60%). This data slightly underestimates the total number of persons tested because there were some missing or incomplete records. Records were missing or incomplete on blood donors at Nkhamenya Mission Hospital, MAFCO Clinic, Nkhoma Mission Hospital, and Lilongwe Barracks Hospital. There were also no records of HIV tests done at Nasawa health centre in the Southern Region.

Results of HIV testing are shown below.

Of 215,269 persons tested in 2003, 50,115 (23%) were HIV-positive.

Of 60,561 blood donors tested, 9,180 (15%) were HIV-positive.

Of 26,791 pregnant women tested for PMTCT, 3,383 (13%) were HIV-positive

Of 127,917 clients and patients tested, 37,552 (29%) were HIV-positive

Of 127,917 clients tested:-

There were 48,333 persons who were tested in the three MACRO sites where the number and proportion of persons HIV-positive was 6,794 (14%) There were 79,584 persons who were tested in the integrated health facility sites where the number and proportion of persons HIV-positive were 30,758 (39%).

2.1. HIV testing and HIV results according to region:

There were regional differences with higher numbers of clients and patients HIV tested, and a higher proportion of those tested being HIV-positive, in the South, followed by the Central Region and then the Northern Region (see **Table 1**). This is a reflection of a) population numbers, which increase from North to South, and b) the HIV-epidemic which first started and has been more severe in the Southern part of the country.

| | HIV tests carried out in 2003 according to Region | | |
|---|--|----------------------|----------------------|
| | North | Central | Southern |
| Blood donors tested Blood donors HIV-positive (%) | 9882 980 (10%) | 22628 3218 (14%) | 28051 4982 (18%) |
| Pregnant women tested Pregnant women HIV-positive (%) | 5522 327 (6%) | 16202 2173 (13%) | 5067 883 (17%) |
| Clients and patients tested Clients and patients HIV-positive (%) | 24609 4885 (20%) | 39893 10727 (27%) | 63415 21944 (35%) |
| MACRO Site: Clients tested Clients HIV-positive (%) | 13335 1489 (11%) | 16860 2031 (12%) | 18138 3274 (18%) |
| Integrated Health Facility Sites: Clients and patients tested Clients and patients HIV-positive (%) | 11274 3396 (30%) | 23033 8696 (38%) | 45277 18670 (41%) |

Table 1: HIV testing and results in the North, Central and Southern Regions

2.2. HIV tests in clients and patients at integrated health facilities (excluding blood donors and women attending antenatal clinics):

The major hospitals carrying out HIV testing in 2003 were:- Lilongwe Lighthouse and Lilongwe Bottom Hospital (7960); Thyolo District Hospital - supported by MSF-Luxembourg (6575); Chiradzulu District Hospital- supported by MSF-France (6556); and Queen Elizabeth Central Hospital (3428). In contrast to 2002, a lot more testing was done in health centres and clinics (20,075): this figure is also an underestimate as some health centre data was not available on site and was kept and reported with hospital data.

In 30 hospital / health facility VCT registers, there was consistent recording of who was a "VCT Client" coming for voluntary counseling and testing (ie, the worried well or a patient with mild illness) and a "patient" who was more sick coming from out-patients or the wards. Amongst 41,618 persons with such records, 17,528 were "patients" and 24,090 were "VCT clients". Of 17,528 "patients", 10,820 (62%) were HIV-positive. Of 24,090 "VCT clients", 7,502 (31%) were HIV-positive. With the high rate of HIV-seropositivity in "VCT clients", it is likely that many of these persons were in fact patients.

2.3. HIV tests in men and women (excluding blood donors or ANC attenders):

In the three MACRO sites in Mzuzu, Lilongwe and Blantyre, there was consistent recording of gender. There were a total of 48,333 persons tested, consisting of 34,444 (71%) men and 13,889 (29%) women. Of 34,444 men who were tested, 3302 (10%) were HIV-positive. Of 13,889 women tested, 3,492 (25%) were HIV-positive. The reasons for the higher number of men attending MACRO sites and the higher proportion of women who when tested were HIV-positive were not explored.

In 15 hospital / health facility VCT registers, there was consistent recording of gender. Amongst 10,270 persons attending for VCT (either clients or patients), 5,367 (52%) were men and 4,903 (48%) were women. The gender ratio in health facilities was almost equal. Of the 5,367 men tested, 1,444 (27%) were HIV-positive. Of 4,903 women tested, 1,863 (38%) were HIV-positive. The reasons for the higher prevalence of HIV infection in women compared with men was not explored.

3. Pregnant women attending PMTCT Services in 2003

There were 17 health facilities, along with their outlying outreach centres, which provided PMTCT services in 2003. There were 26,791 pregnant women tested for PMTCT of whom 3,383 (13%) were HIV-positive. Of these women, 2,198 (65%) received nevirapine in the year 20003. The results for each hospital are shown in **Table 2.** Lilongwe Central Hospital, through UNC, provided the bulk of PMTCT services in Malawi during 2003.

| Hospital | Number of women | Number of women | Number of women |
|----------------------|-----------------|-----------------|------------------|
| | HIV-tested | HIV-positive | given nevirapine |
| Chitipa District | 37 | 3 | 0 |
| Karonga (KPS) | 867 | 83 | 18 |
| Livingstonia Mission | 894 | 76 | 10 |
| Ekwendeni | 328 | 42 | 33 |
| Embangweni | 3396 | 123 | 52 |
| Kasungu District | 131 | 29 | 11 |
| St Annes Mission | 12 | 12 | 11 |
| LLW Central Hosp | 11823 | 1916 | 1600 |
| LLW Mlale Mission | 111 | 6 | 0 |
| Likuni Mission | 297 | 52 | 24 |
| St Gabriels Mission | 3828 | 158 | 53 |
| Mangochi District | 1 | 0 | 0 |
| Thyolo District | 2650 | 513 | 255 |
| Malamulo Mission | 19 | 2 | 2 |
| Mwanza District | 1565 | 205 | 87 |
| Chiradzulu District | 731 | 144 | 23 |
| St Josephs Mission | 101 | 21 | 19 |

Table 2: PMTCT results for 2003:

4. Counseling, HIV testing and adjunctive cotrimoxazole for TB patients in 2003.

4.1. Results over the whole year: January to December 2003:

In 2003, there was a total of 26,742 TB cases registered in Malawi in the 44 central, district and mission hospitals. HIV testing was carried out in 23 hospitals [15 hospitals supported for expanded HIV-TB activities and 8 other hospitals]. The number of TB patients who were HIV tested, the results of HIV tests and the number who were placed on cotrimoxazole for each hospital are shown in **Annex 4**.

The total numbers for the public health sector for Malawi in 2003 are shown in **Table 3.** In summary, 15% of TB patients in the country were HIV tested, of whom 69% were HIV-positive. Of those HIV-positive, 87% were placed on cotrimoxaole (CTX). The reason for 13% of patients not receiving CTX was that some sites had not been supported for expanded HIV-TB activities, and as such had no special programme of providing cotrimoxazole to HIV-positive TB patients.

Table 3: Total number of TB patients registered, HIV tested and placed on cotrimoxazole in 2003

| For the Year 2003: Jan – December | Number (%) |
|-------------------------------------|------------|
| Registered TB patients | 26742 |
| TB patients who were HIV tested | 3983 (15%) |
| TB patients who were HIV-positive | 2734 (69%) |
| TB patients placed on cotrimoxazole | 2349 (87%) |

4.2. Results in 15 hospitals providing expanded HIV-TB services: July – December 2003:

There were 15 hospitals supported in 2003 for expanded HIV-TB activities. All these hospitals were operational starting in July 2003, although some (Thyolo and Malamulo) had been operational for some years before. The number of patients registered, the number HIV tested and placed on cotrimoxazole for the last six months of 2003 (July to December) are shown in **Table 4.** In the last six months of 2003, in the 15 hospitals with expanded HIV-TB activities, 69% of the registered TB patients were HIV tested. Of those tested, 67% were HIV-positive. Of those who were HIV-positive, 98% received cotrimoxazole (CTX). Of those receiving CTX, 86% received the drug within 7 days of being registered.

| Hospital | Hospital No. TB patients between July 1 st and December 31 st 2003 who were | | | | |
|----------------|---|------------|------------------|------------------|--|
| | Registered | HIV tested | HIV- positive | Placed on CTX | Placed on CTX within 7 days of Registration |
| Chitipa | 49 | 41 | 23 | 21 | 20 |
| Mzimba | 130 | 107 | 59 | 56 | 35 |
| Ekwendeni | 74 | 65 | 53 | 53 | 53 |
| Embangweni | 57 | 49 | 25 | 25 | 24 |
| Lilongwe CH | 1187 | 688 | 406 | 396 | 348 |
| Kasungu | 276 | 216 | 132 | 129 | 96 |
| Ntcheu | 286 | 164 | 76 | 72 | 46 |
| St Gabriels | 97 | 83 | 50 | 49 | 48 |
| Thyolo | 488 | 420 | 332 | 320 | 223 |
| Malamulo | 149 | 111 | 91 | 91 | 82 |
| Chiradzulu | 514 | 386 | 311 | 311 | 311 |
| Mulanje M | 233 | 161 | 129 | 125 | 121 |
| Machinga | 367 | 192 | 121 | 118 | 111 |
| St.LukesMalosa | 89 | 60 | 43 | 43 | 39 |
| Trinity-Muona | 126 | 82 | 48 | 44 | 40 |
| Total | 4122 | 2825 | 1899 | 1853 | 1597 |

 Table 4: Number of TB patients and number HIV tested and placed on cotrimoxazole (CTX) between July and December 2003

5. ARV therapy in the public health sector in 2003:

At the end of 2003, there were 9 sites providing ARV therapy to AIDS patients: In 6 of these sites patients had to pay and in the other 3 sites (Chiradzulu District Hospital, St Joseph's Hospital Nguludi, and Thyolo District Hospital), which are supported by MSF, the treatment was free. At the end of December 2003, these sites had been providing ART from between 6 months to 42 months previously. According to the information provided, a total of 6,414 patients had been started on ART ever since the ART programmes had started.

Data for the health facilities are provided in **Table 5.** Altogether 3,703 patients started on ART during 2003. The number of patients on ART at the end of 2003 is not known as both QECH and Lighthouse were unable to provide these figures; however it is likely to be higher than the number started in 2003 and therefore might be estimated at about 4,000.

| Health facility | No. months providing the service | No. personnel trained in ART | No. patients started on ART in 2003 | No. patients on ART at the end of 2003 |
|-----------------|--|---------------------------------|---|--|
| Ekwendeni | | | | |
| MH | 6 | 2 | 59 | 55 |
| Lighthouse LLW | | | | |
| | 26 | 9 | 1068 | Not known |
| Mtengwathenga | | | | |
| MH | 12 | 5 | 37 | 30 |
| ABC | | | | |
| Hospital – LLW | 12 | 2 | 100 | 105 |
| Mikoke Hosp | | | | |
| Ntcheu | 12 | None | 20 | Not known |
| Chiradzulu | | | | |
| DH | 30 | 16 | 1472 | 1795 |
| St Josephs | | | | |
| MH Nguludi | 11 | 4 | 88 | 80 |
| Thyolo | | | | |
| DH | 8 | 7 | 425 | 391 |
| QECH | | | | |
| Blantyre | 40 | 9 | 434 | Not known |

Table 5: ARV therapy in the 9 health facilities providing this service

At the time of the survey, another hospital (Mulanje Mission Hospital) had geared up to provide ART with rooms refurbished and staff trained.

6. Counseling and HIV testing services

This assessment was carried out in all the hospitals and health facilities listed in the ARV Scale Up Plan- Appendix 1- with some additions from Appendix 2. Altogether 57 health facilities were assessed, and the name of each facility and the data collected for each facility are shown in **Annex 5**.

6.1. Counseling Services:

In the 57 health facilities, there was some form of voluntary counseling and testing service. There a total of 417 VCT counselors, 48 of whom were full-time and 369 parttime. 86 of these counselors had been trained in how to do whole blood rapid HIV testing. There were 38 hospitals, where there was some form of internal quality assurance of counseling, and 13 (23%) hospitals, where some form of external quality assurance was carried out. 51 hospitals provided a counseling service on five days a week. 41 (72%) hospitals recorded counseling and HIV testing information in some form of VCT register. In 37 (65%) facilities there were one or more dedicated rooms for VCT counseling. Details about these rooms are shown in **Table 6.** Almost all the rooms were open from 8.00am to 5.00pm, with over 60% having a good waiting area and over 75% having condoms and a demonstration penis. Less satisfactory was the general absence of written referral systems for continuum of care and the general absence of National VCT Guidelines.

| VCT Service provided | Number (%) |
|--|------------|
| Room open all day | 36 (97%) |
| Good waiting area | 23 (62%) |
| Condoms available | 30 (81%) |
| Demonstration penis available | 29 (78%) |
| Written systems for referral for continuum of care | 4 (11%) |
| National VCT Guidelines available | 14 (38%) |

6.2. HIV Testing:

Altogether, there were 120 trained laboratory staff working in these 57 health facilities. 6 facilities had no trained staff, 17 had one trained technician or assistant, 22 had two and 12 had three or more. Of these laboratory staff, 71 (59%) had been formally trained in how to conduct rapid whole blood HIV (RWBT) testing.

There were 55 hospitals using RWBT kits: 53 using Determine HIV-1/HIV-2 (Abbott Laboratories, Tokyo, Japan), 53 using Uni-GoldTM HIV-1/HIV-2 (Trinity Biotech plc, Ireland), and 17 using other types such as Haemastrip HIV-1/HIV-2, Hexagon HIV-1/HIV-2 (Biochemica nrd Diagnostica mbH, Germany) or Capillus. Three hospitals were using ELISA.

The testing methodology varied from health facility to health facility, as is shown in **Table 7.** If there was discordance between tests, 18 hospitals would use a tie-breaker utilising on site a different type of test, 30 would send the specimen away to a referral hospital for usually an ELISA test, 4 would repeat the tests at a later time and 3 would do nothing. Only 10 hospitals had HIV testing protocols visible in the laboratory. Only one of the 55 hospitals, using RWBT, had external quality control.

| Type of client tested | Type of HIV testing methodology | Number |
|-----------------------|--|--------|
| Patients / clients | One test | 1 |
| | Two tests: | 54 |
| | Parallel (done at the same time) | 34 |
| | Serial (one test followed by another) | 20 |
| | Serial two tests: | |
| | HIV+ve, then confirm: HIV-ve, no second test | 20 |
| | HIV-ve, then confirm: HIV+ve, no second test | 0 |
| Blood donors * | One test | 27 |
| | Two tests: | 25 |
| | Parallel (done at the same time) | 8 |
| | Serial (one test followed by another) | 17 |

Table 7: Testing methodology in the 55 health facilities using RWBT kits

* There were 52 out of 55 health facilities, which tested blood donors.

6.3. HIV test kits:

There were 6 (11%) hospitals with stock-outs in 2003. The number of Determine and Unigold test kits were counted in the pharmacy, the laboratory and the VCT rooms. In 3 facilities there were no kits of Determine. In the other 52 facilities there was a median of 500 Determine tests (range 6 - 3,268). In 11 facilities there were no kits of Unigold. In the other 44 facilities, there was a median of 97 tests (range 2 - 989).

All Determine and Unigold test kits were inspected for the date of expiry. In 8 (15%) hospitals, some of test kits for Determine and some for Unigold had expired.

7. Comparison of HIV-AIDS services in 2003 with that provided in 2002

Similar types of information were collected for the country-wide analysis done for the year 2002, enabling a comparison between the two years to be made.

7.1. Comparison of the number of persons HIV tested and their HIV results

The comparison of the two years is shown in **Table 8.** In 2003, there were another 47 sites providing VCT services and another 65,729 persons HIV tested compared with 2002. The number of blood donors tested and the number of persons visiting MACRO sites remained similar between the two years. The largest differences were in the increased number of women being HIV tested for PMTCT services and the increased numbers of clients and patients, including TB patients, being tested at integrated health facilities. The proportions of those tested who were HIV-positive were fairly similar in each year. The number of patients receiving HAART increased three-fold.

| | 2003 | 2002 |
|---|------------------------|------------------------|
| Number counselling and HIV testing sites | 117 | 70 |
| Total number of HIV tests done: | 215,269 | 149,540 |
| Number (%) tested who were HIV-positive | 50,115 (23%) | 33,303 (22%) |
| Number of Blood Donors HIV-tested | 60,561 | 57,850 |
| Number (%) tested who were HIV-positive | 9,180 (15%) | 8,474 (15%) |
| Number of facilities providing PMTCT | 17 | 7 |
| Number of ANC women HIV tested | 26,791 | 5,059 |
| Number (%) tested who were HIV-positive | 3,383 (13%) | 840 (17%) |
| Number of persons at MACRO HIV tested | 48,333 | 51,224 |
| Number (%) tested who were HIV-positive | 6,794 (14%) | 7,684 (15%) |
| Number of patients/clients at health facilities who were HIV tested Number (%) tested who were HIV-positive | 79,584 30,758 (39%) | 35,407 16,305 (46%) |
| Number of TB patients registered in the year | 26,742 | 25,899 |
| Number (%) who were HIV tested | 3,983 (15%) | 2,130 (8%) |
| Number (%) who were HIV-positive | 2,734 (69%) | 1630 (77%) |
| Number (%) who were given cotrimoxazole | 2,349 (87%) | Not known |
| Number of facilities providing HAART | 9 | 3 |
| Number of AIDS patients started on HAART | 3,703 | 1,202 |

Table 8: Comparison of HIV testing and HIV results in Malawi: 2003 and 2002

7.2. Comparison of VCT services, HIV testing procedures and HIV test kits

In the same 44 hospitals where an in-depth analysis was carried out last year, the status of VCT services, HIV testing procedures and HIV test kits for 2003 was performed. Results are shown in **Table 9**. Although there were less counselors in 2003 compared with 2002, there was a higher proportion of full-time counselors. In 2003, there was a definite improvement in VCT services with more hospitals having dedicated VCT rooms and using some form of VCT register. External quality assurance was still weak. In the laboratories just over a quarter of hospitals had standardised blood donor registers, making the collation of HIV test data much easier. Rapid whole blood testing was the norm in both years, and all clients and patients in 2003 were being tested using serial or parallel testing. External quality control was virtually absent. In 2003, virtually all hospitals had Determine or Unigold test kits in stock, although in a small proportion of hospitals some of these kits had expired.

| | 200 | 3 | 2002 | 2 |
|--|---------|---------|---------|--------|
| Number of VCT counselors | 371 | | 456 | |
| Number (%) who were full-time | 44 | (12%) | 38 | (8%) |
| Number (%) of hospitals having counselors trained in rapid whole blood testing | 17 | (39%) | 8 | (18%) |
| Number (%) of hospitals with external quality assurance of VCT | 11 | (25%) | 7 | (16%) |
| Number (%) of hospitals having one or more dedicated VCT counseling rooms | 32 | (73%) | 22 | (50%) |
| Number (%) of hospitals with some form of VCT register | 36 | (82%) | 31 | (70%) |
| Number (%) of hospitals with a standardised blood donor register | 14 | (32%) | 0 | |
| Number (%) of hospitals with laboratory staff trained in use of rapid whole blood testing | 36 | (82%) | 37 | (84%) |
| Number (%) of hospitals using rapid testing | 44 | (100%) | 44 | (100%) |
| Number (%) of hospitals with the following HIV testing protocols: | | | | |
| For clients and patients:- 1 test only | 0 | | 8 | (18%) |
| 2 tests | 44 | (100%) | 36 | (82%) |
| For blood donors:- 1 test only | 23 | (52%) | 34 | (77%) |
| 2 tests | 21 | (48%) | 10 | (23%) |
| Number (%) of hospitals with External quality control of HIV testing | 1 | (2%) | 1 | (2%) |
| Number (%) of hospitals with test kits currently in stock (pharmacy, laboratory, VCT | | | | |
| room): Determine kits in stock Some Determine kits expired | 43 7 | (98%) | 38 0 | (86%) |
| Unigold kits in stock | 44 | (100%) | 33 | (75%) |
| Some Unigold kits expired | 7 | (10070) | 0 | (1370) |

Table 9: Comparison of VCT services, HIV test procedures and HIV kits inthe 44 major government and CHAM hospitals: 2003 and 2002

Hospitals selected for support in expanding joint HIV-TB activities in 2004

At the end of each hospital visit, an assessment was made of the strength of VCT and HIV services and TB control services in order to make a decision about whether the hospital could be selected for support for expansion of joint HIV-TB activities.

This assessment was based on the same criteria as last year. For VCT this included:- a) number of clients and patients tested in 2003 in relation to estimated disease burden, b) presence of a VCT room or a clear indication from the district health management team (DHMT) or medical officer in charge about the imminent creation of a VCT room, c) presence of full-time counselors or an already established system of rotating part-time counselors to provide a regular full-time service, d) a good VCT register and/or laboratory register of clients and patients HIV tested, and e) an enthusiastic and supportive DHMT or medical officer in charge. For TB Control this included:- a) the presence of a well motivated TB officer, b) a well organized TB office, and c) a well kept and up to date TB register.

Based on these characteristics there were 16 hospitals in 13 districts, which were selected for expansion of HIV-TB activities, the main activity being routine VCT and adjunctive CTX to patients found to be HIV-positive. The hospital staff will be trained between April and June, with implementation starting in July 2004. The list of the 16 hospitals is shown in **Table 10**.

| Region | Hospitals selected for expanded HIV-TB activities in 2004 | Hospitals already implementing expanded HIV-TB activities from 2003 |
|---------|--|--|
| North | Mzuzu Central Hospital St Johns Mission Hospital (Mzuzu) Katate Mission Hospital (Mzimba) Karonga District Hospital | Chitipa District Hospital Mzimba District Hospital Ekwendeni Mission Hospital Embangweni Mission Hospital |
| Central | Dowa District Hospital Ntchisi District Hospital Nkhoma Mission Hospital, (LLW) Mua Mission Hospital (Dedza) | Kasungu District Hospital Ntcheu District Hospital St. Gabriel's Mission Hospital Lilongwe Central Hospital |
| South | Nsanje District Hospital Chikwawa District Hospital Montfort Mission Hospital (CKW) St Josephs Hospital, Nguludi (CZD) Mlambe Mission Hospital (BLT) Mwanza District Hospital Balaka District Hospital Zomba Central Hospital | Thyolo District Hospital Malamulo Mission Hospital Chiradzulu District Hospital Mulanje Mission Hospital St. Lukes Mission Hospital, Malosa Machinga District Hospital Trinity Hospital, Muona |

Table 10: Hospitals selected for expansion of joint HIV-TB activities in 2004 and those already implementing from 2003:

9. ARV scale up, human resources and infrastructure.

The health facilities assessed included:- i) all the major central, district and mission hospitals in the country; ii) the three main hospitals of the Malawi Defence Force; iii) the Zomba and Lilongwe Police Hospitals; iv) St Anne's Mission hospital in Nkotakota and Mlale Rural Mission Hospital in Lilongwe; v) SOS Clinic in Lilongwe, Dwangwa Matiti Clinic in Nkotakota, and Sucoma Clinic in Chikwawa.

In all the health facilities visited, the assessment team explored with the DHMT or hospital officers in charge about the ART scale up. In those hospitals where ART was not being delivered, the staff were asked whether:- a) a dedicated room could be made available for ARV therapy and b) one clinical officer/ clinician, one nurse, one counselor and one clerk could be made available for ART delivery.

All health facilities not delivering ART stated that they could make a room available for ARV therapy. There was one hospital (Nkhotakhota district hospital) which stated it would have difficulty releasing a clinical officer for ARV duties because of staff shortages in the hospital. All health facilities stated they could release a nurse, a counselor and a clerk for ART delivery.

The following health facilities have been invited to attend briefing sessions on ART scale up. Lilongwe Police health facility was not invited as at present it has not capacity for VCT.

| North Region | Central Region | Southern Region |
|-------------------------|--------------------------|------------------------|
| Chitipa DH | Mchinji DH | Nsanje DH |
| Karonga DH | Ntcheu DH | Trinity MH |
| Nkhata Bay DH | Dedza DH | Chikwawa DH |
| Rumphi DH | Mua MH | Montfort MH |
| Livingstonia MH | Kasungu DH | Sucoma Clinic |
| Mzuzu CH | Dowa DH | Mangochi DH |
| Mzuzu Moyale Barracks H | Madisi MH | Machinga DH |
| Mzimba DH | Mtengawatenga MH | Balaka DH |
| St Johns MH | Ntchisi DH | Thyolo DH |
| Ekwendeni MH | Salima DH | Malamulo MH |
| Embangweni MH | Nkhotakhota DH | Mulanje DH |
| | St Anne's MH | Mulanje MH |
| | Dwangwa Matiti Clinic | Phalombe MH |
| | Lilongwe CH + Bottom H | Mwanza DH |
| | Mlale Rural MH | Chiradzulu DH |
| | ABC MH | St Josephs MH |
| | Nkhoma MH | Zomba CH |
| | Likuni MH | Zomba Cobbe Barracks H |
| | St Gabriels MH | Zomba Police H |
| | Lilongwe Kamuzu Barracks | QECH |
| | | Mlambe MH |
| | | Ndirande HC |

CONCLUSION AND RECOMMENDATIONS

This country-wide survey, which involved actual visits to all sites offering VCT and an in-depth assessment of the major health facilities delivering HIV-AIDS services and HIV-TB activities, allows an up to date assessment of services being delivered on the ground.

Findings:

In 2003, there were 117 sites in the public sector performing HIV testing. In that 12 month period, there were almost just over 215,000 documented HIV tests carried out in the country, with 28% of these being performed on blood donors, 12% on antenatal women and 60% on clients and patients.

In 2002 the government and CHAM health facilities performed about 35,000 HIV tests on clients and patients in the country, a small number given the size of the epidemic. In contrast, in 2003 the government and CHAM health facilities (major hospitals, rural hospitals, clinics and health centres) carried out about 80,000 HIV tests in clients and patients, a large improvement compared with one year previously. As a result of expanded HIV-TB activities which were implemented from July 2003 onwards, nearly double the number of registered TB patients received counseling and HIV testing in 2003 compared with 2002, and the majority of these received cotrimoxazole adjunctive treatment which is know to reduce mortality. Just over 2,000 mother and infant pairs received nevirapine to prevent mother to child transmission of HIV. There were over 3,700 AIDS patients started on HAART in 2003, three times the number started on ARV therapy in 2002.

The 2002 situational analysis had made recommendations about improving counseling and testing services. With respect to counseling, there were recommendations about increasing the number of full-time counselors, creating dedicated VCT rooms in hospital facilities, having VCT registers in each facility and improving quality assurance. In each of these areas, there was an improvement in 2003 compared with 2002, although VCT registers still need to be standardised and external quality assurance is still not being done in 75% of health facilities. With respect to HIV testing, there were recommendations about having no interrupted supplies of HIV test kits, standardising procedures, having standardised laboratory registers and external quality control. Again in most of these areas there was an improvement in 2003 compared with 2002. However, there is still some variation in HIV testing protocols between health facilities, and external quality control is minimal.

The analysis informed the NTP and MOH about which hospitals can be prepared for expanded HIV-TB activities in the coming few months. It allowed the implementing team to brief the hospitals about the ART scale up plan and informed the MOH about the general enthusiasm for starting ARV therapy.

Strengths and limitations of the survey.

One of the strengths of this survey was that all VCT sites in the country were visited, and data collected at site often by counting numbers in registers. It was possible to observe how laboratory work regarding HIV testing was being carried out, discuss issues with counselors and review HIV-AIDS services. The discussions with the health facilities at the end of each site visit were perceived to be very useful for the study team as well as the health facility staff, who were always most appreciative of the feedback and opportunity to discuss ways forward.

There were some limitations. Some of the data on numbers of persons HIV-tested in 2003 were missing, and the results of numbers of persons tested were therefore an underestimate. The rapid analysis, carried out over a period of about 6 weeks, also precluded an in-depth analysis of the situation on the ground, for example why do more men attend MACRO sites than women!

Recommendations:

There is still a clear need for HIV-AIDS services to be improved if there is a wish to scale up services in both quantity and quality.

With regard to VCT, more health facilities need to create dedicated VCT rooms. There is an urgent need for the MOH to develop a standardised VCT register, and all hospital laboratories should be using standardised blood donor registers. More full-time counselors need to be employed and more counselors need to be trained in rapid whole blood testing. External quality assurance of counseling and external quality control of HIV testing is currently minimal, and must be developed. These should all be part of the National VCT Scale Up Plan, which is currently being developed.

The first year of the ART Scale Up Plan (Jan – Dec 2004) now moves into the second quarter of 2004. All health facilities will be briefed at the end of the first quarter on the ARV Guidelines, the ART Scale Up Plan and the mode of applying for training and help with ART scale up. The second quarter will see the finalisation of the training modules and the start of the intensive period of training of staff from all 50 sites identified in the first round of the ART Phase 1 Scale Up.

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ANNEX 1: STRUCTURED QUESTIONNAIRE FORM FOR SITUATIONAL ANALYSIS: 2003

| HOSPITAL DATE |
|---|
| HOSPITAL VCT SERVICE: |
| Number of VCT counselors |
| Number Full-time |
| Number Part-Time: |
| How many counselors do HIV testing |
| Does anyone provide quality assurance in hospital |
| If so, provide details |
| Does anyone provide quality assurance from outside |
| If so, provide details |
| Is the VCT service provided daily: if not specify |
| Number of dedicated VCT rooms in the hospital (specify) |
| The main VCT site: |
| Opening hours of main VCT site |
| Is there a convenient waiting area for patients and clients |
| Are condoms freely available in the room |
| Is the demonstration penis present in the room |
| Are there written referral lists for services (eg PMTCT, STI) |
| Are national VCT guidelines visible in the counseling room |

****Check on HIV test kits in the room and enter to box on following pages

VCT REGISTER FOR CLIENTS/ PATIENTS (in VCT room)

| Is there a VCT register (s) in the couns | elling room(s) |
|--|----------------------------|
| Assess for the year 2003: | |
| Number sent for VCT | |
| Number tested HIV-positive | |
| If gender breakdown possible, then bre | ak down for men and women: |
| (Men sent for VCT/ HIV+ve | Women sent for VCT/HIV+ve |
| If client/ patient breakdown possible, b | reak down to:- |
| Number clients for VCT | Number clients HIV+ve |
| Number patients for VCT | Number patients HIV+ve |
| BLOOD DONOR REGISTER (in La | aboratory) |
| Is there a standardised blood donor reg | ister (Yes/No) |
| Assess for year 2003: | |
| Number sent for HIV testing | |
| Number tested HIV-positive | |
| TB-VCT REGISTER (kept in TB Of | <u>ffice)</u> |
| Is there a TB-VCT register (Yes/No) | |
| Assess for the year 2003: | |
| Number TB patients registered in year | (ask DTO) |
| Number TB patients entered to TB-VC | T Register |
| Number TB patients accepted HIV test | ing |
| Number TB patients who are HIV-posi | tive |
| Number TB patients started on Cotrimo | oxazole (CTX) |

HOSPITAL LABORATORY:

| Number of qualified laboratory staff |
|---|
| Number of lab staff trained in rapid whole blood testing |
| What HIV test kits are being used |
| What is the HIV testing protocol for VCT/patients |
| What is the HIV testing protocol for Blood Donors (note: 1 test or 2 tests: parallel or serial: serial – positive followed by second test) or negative followed by second test) |
| What happens with discordant tests |
| Is there any Internal quality control (ie testing of known specimens) |
| Is there any External quality control |
| If external QC, then how often and where to |

Are there any visible written guidelines on HIV testing in the laboratory_____

Were there any stock outs in 2003_____

HIV TEST KITS:

| | Determine | Unigold | Other Types of Kits |
|----------------------------------|-----------|---------|---------------------|
| Number test kits in lab | | | |
| Expiry date of tests in lab | | | |
| Number of tests in pharmacy | | | |
| Expiry date of tests in pharmacy | | | |
| Number of tests in VCT room | | | |
| Expiry date of tests in VCT room | | | |
| TOTAL NUMBER TEST KITS | | | |

PREPAREDNESS FOR VCT AND COTRIMOXAZOLE FOR TB PATIENTS:

Yes / No: (Provide reasons):_____

ANTIRETROVIRAL THERAPY:

| Did the hospital/ facility provide ART | T in 2003 (Yes/ No) |
|---|---|
| If Yes, then answer the following que | stions:- |
| When did you start providing ART (ye | ear/ month) |
| What is the first line regimen | |
| How many staff are trained in providi | ng ART |
| Are ARV drugs free for the patients (| Yes/No) |
| What is the total number of patients ev | ver started on ARV therapy |
| How many patients were on ARV then | rapy at the end of 2003 |
| How many patients started ARV thera | apy in 2003 |
| If No, then answer the following ques | tions: |
| Can you provide a room dedicated for | ARV delivery at least 2 x per week |
| Can you release the following staff to operating 2 or more times per week:- | run the ARV clinic full-time when it is |
| One clinical officer / clinician | One nurse |
| One counselor | One clerk |
| PMTCT SERVICE: | |
| Do you have a PMTCT service | |
| If yes, how many women were given | VCT in 2003 |
| How many women were HIV-positive | 2 |
| How many women were given Nevira | pine |
| FOR EACH RURAL HOSPITAL, I | HEALTH CENTRE AND STAND-ALONE SIT |
| The site: | integrated (I) or stand-alone (S) |
| For the year 2003: | |

| Number blood donors tested | Number HIV-positive |
|----------------------------|---------------------|
|----------------------------|---------------------|

Number clients/patients tested_____ Number HIV-positive_____

Number on ARV therapy_____

ANNEX 2: SITES IN MALAWI PERFORMING HIV TESTING IN 2003: Government and CHAM

The Northern Region:

| Region | District | Main hospitals (also act as TB Registration Units) | Other Hospitals | Health centres (HC) / Clinics | Stand-alone sites |
|--------|------------|---|--------------------------------|--|----------------------|
| North | Chitipa | Chitipa District Hospital | Kaseye Mission Hosp | Nthalire HC | |
| | Karonga | Karonga District Hospital | | Karonga Prevention Study Clinic | |
| | Nkhata Bay | Nkhata Bay District Hospital | Chinteche Rural Hospital | Mpamba HC | |
| | Rumphi | Rumphi District Hospital Livingstonia Mission Hospital | | | |
| | Mzimba | Mzuzu Central Hospital Mzimba District Hospital St.Johns Mission Hospital Ekwendeni Mission Hospital Embangweni Mission Hospital Katete Mission Hospital | Moyale Barracks Hospital | Mzambazi HC Tovwirane VCT centre | Mzuzu Macro Site |

ANNEX 2: SITES IN MALAWI PERFORMING HIV TESTING IN 2003: Government and CHAM

The Central Region

| Region District | | Main hospitals (also act as TB Registration Units) | Other Hospitals | Health centres (HC) / Clinics | Stand- alone sites |
|-----------------|-------------|--|---|--|------------------------|
| Central | Mchinji | Mchinji District Hospital | Kapiri Rural Mission Hosp | Mkanda HC | |
| | Ntcheu | Ntcheu District Hospital | Mikoke Rural Hospital | | |
| | Dedza | Dedza District Hospital Mua Mission Hospital | | | |
| | Kasungu | Kasungu District Hospital | Nkhamenya Mission Hosp | Estate 81 Clinic | |
| | Dowa | Dowa District Hospital Madisi Mission Hospital | Mtengawatenga Mission Hosp Mponela Rural Hospital (MAICC) | Dowa Youth Centre Clinic | |
| | Ntchisi | Ntchisi District Hospital | | Malomo HC * Chinguluwe HC* Mkhuzi HC* Mundinda HC* Kangolwa HC* Mzandu HC* | |
| | Salima | Salima District Hospital | | MAFCO Army Clinic SASO Clinic* Khombedza HC* Chitala HC* Maganga HC* Mchoka HC* Thavite HC* Lilongwe Diocese HBC Clinic* | |
| | Nkhotakhota | Nkhotakhota District Hospital | St. Anne's Mission Hosp Alinafe Hospital | Dwangwa Matiki Clinic | |
| | Lilongwe | LCH (Lighthouse Clinic) Hospital Lilongwe Bottom Hospital Nkhoma Mission Hospital Likuni Mission Hospital St Gabriels Mission Hospital (Namitete) | African Bible College (ABC) Hospital Mlale Mission Hospital Kamuzu Barracks Hospital | Lilongwe SOS Clinic | Lilongwe Macro Site |

* = counseling done at centre and blood tests at the hospital with results back to centre

| Region | District | TB Registration | Other | Health centres | Stand- | |
|--------|------------|--|---|--|------------------------|--|
| | | Units | Hospitals | (HC) / Clinics | alone sites | |
| South | Nsanje | Nsanje District Hospital Trinity Mission Hospital | | Kalemba HC | | |
| | Chikwawa | Chikwawa District Hospital Montfort Mission Hospital | | Sucoma Estate Clinic Mapelela HC | | |
| | Mangochi | Mangochi District Hospital | St Martins Mission Hosp | | | |
| | Machinga | Machinga District Hospital | | Ntaja HC Liwonde HIC | | |
| | Balaka | Balaka District Hospital | | | | |
| | Thyolo | Thyolo District Hospital Malamulo Mission Hosp (Makwasa) | | Khonjeni HC Thekerani HC Changata HC Mikolongwe HC Chimaliro HC Makungwa HC Bvumbwe HC Amalika HC | | |
| | Mulanje | Mulanje District Hospital Mulanje Mission Hospital | | Namasima HC | | |
| | Phalombe | Phalombe Mission Hospital | | | | |
| | Mwanza | Mwanza District Hospital | | Matope HC | | |
| | Chiradzulu | Chiradzulu District Hospital St.Joseph's Mission Hospital (Nguludi) | | Bilawo HC Chitela HC Mauwa HC Mbulumbuzi HC Milepa HC Namadzi HC Namitambo HC Ntunde HC Nkalo HC PIM HC | | |
| | Zomba | Zomba Central Hospital St. Lukes Mission Hospital | Zomba Police Hospital Army Barracks (Cobbe) Hosp Domasi Rural Hospital | Nkasala HC Matawale HC Nasawa HC | | |
| | Blantyre | Queen Elizabeth Central Hospital Mlambe Mission Hospital | | Ndirande HC | Blantyre Macro Site | |

ANNEX 2: SITES IN MALAWI PERFORMING HIV TESTING IN 2003: Government and CHAM The Southern Region

| Site | Blood | Blood | Ante- | Ante- | VCT / | VCT / | Total | Total: | |
|-----------------|---|-------------|-----------|------------|--------------|-------------|--------------|--------|--|
| | donors | donors: | Natal | natal: | Patients | Patients: | | HIV+ve | |
| | | HIV+ve | | HIV+ve | (*) | HIV+ve | | | |
| North Region | | | | | | | | | |
| Chitipa DH | 715 | 34 | 37 | 3 | 1106 | 225 | 1858 | 262 | |
| Kaseye MH | 60 | 6 | 0 | 0 | 57 | 8 | 117 | 14 | |
| Nthalire HC | 0 | 0 | 0 | 0 | 286 | 22 | 286 | 22 | |
| Karonga DH | 1548 | 163 | 0 | 0 | 1154 | 472 | 2702 | 635 | |
| KPS Clinic | 0 | 0 | 867 | 83 | 1203 | 212 | 2070 | 295 | |
| Nkhata Bay DH | 575 | 56 | 0 | 0 | 121 | 59 | 696 | 115 | |
| Chinteche RH | 87 | 1 | 0 | 0 | 34 | 30 | 121 | 31 | |
| Mpamba HC | Data included in Nkhata Bay Hospital data set | | | | | | | | |
| Rumphi DH | 1090 | 120 | 0 | 0 | 250 | 128 | 1340 | 248 | |
| Livingstonia MH | 544 | 25 | 894 | 76 | 1030 | 126 | 2468 | 227 | |
| Mzuzu CH | 1929 | 199 | 0 | 0 | 1308 | 693 | 3237 | 892 | |
| Mzuzu Macro | 0 | 0 | 0 | 0 | 13335 | 1489 | 13335 | 1489 | |
| Moyale Barracks | | Data includ | led in Mz | uzu Centra | l Hospital c | r Mzuzu Mac | cro data set | | |
| Mzimba DH | 1000 | 100 | 0 | 0 | 594 | 201 | 1594 | 301 | |
| Mzambazi HC | 0 | 0 | 0 | 0 | 318 | 29 | 318 | 29 | |
| Tovwirane VCT | 0 | 0 | 0 | 0 | 519 | 195 | 519 | 195 | |
| St Johns MH | 491 | 186 | 0 | 0 | 476 | 251 | 967 | 437 | |
| Ekwendeni MH | 902 | 65 | 328 | 42 | 1389 | 484 | 2619 | 591 | |
| EmbangweniMH | 631 | 16 | 3396 | 123 | 1140 | 197 | 5167 | 336 | |
| Katete MH | 310 | 9 | 0 | 0 | 281 | 60 | 591 | 69 | |

ANNEX 3: NUMBER OF PERSONS HIV TESTED AND HIV-SEROSTATUS RESULTS IN 2003 The Northern region:

| Site | Blood donors | Blood donors: | Ante- Natal | Ante- natal: | VCT / Patients | VCT / Patients: | Total | Total: HIV+ve | |
|-------------------------|-----------------|--|----------------|-----------------|-------------------|--------------------|-------|------------------|--|
| <i></i> | | HIV+ve | | HIV+ve | (*) | HIV+ve | | | |
| Central region | | | _ | - | | | | | |
| Mchinji DH | 1473 | 135 | 0 | 0 | 196 | 57 | 1669 | 192 | |
| Kapiri MH | 964 | 59 | 0 | 0 | 1750 | 256 | 2714 | 315 | |
| Mkanda HC | 0 | 0 | 0 | 0 | 50 | 14 | 50 | 14 | |
| Ntcheu DH | 1075 | 343 | 0 | 0 | 1265 | 437 | 2340 | 780 | |
| Mikoke Hospital | 0 | 0 | 0 | 0 | 115 | 48 | 115 | 48 | |
| Dedza DH | 952 | 109 | 0 | 0 | 226 | 70 | 1178 | 179 | |
| Mua MH | 480 | 93 | 0 | 0 | 299 | 128 | 779 | 221 | |
| Kasungu DH | 2218 | 387 | 131 | 29 | 1786 | 524 | 4135 | 940 | |
| Nkhamenya MH | No data | No data | 0 | 0 | 97 | 36 | 97 | 36 | |
| Estate 81 Clinic | 0 | 0 | 0 | 0 | 191 | 47 | 191 | 47 | |
| Dowa DH | 569 | 26 | 0 | 0 | 1401 | 192 | 1970 | 218 | |
| Dowa Youth C | 0 | 0 | 0 | 0 | 345 | 8 | 345 | 8 | |
| Mponela MAICC | 16 | 3 | 0 | 0 | 738 | 68 | 754 | 71 | |
| Madisi MH | 1183 | 175 | 0 | 0 | 22 | 15 | 1205 | 190 | |
| Mtengawatenga MH | 966 | 118 | 0 | 0 | 276 | 118 | 1084 | 236 | |
| Ntchisi DH | 1001 | 29 | 0 | 0 | 1120 | 222 | 2121 | 251 | |
| Ntchisi HCs | | Data from the 6 health centres doing VCT included in Ntchisi Hospital data set | | | | | | | |
| Salima DH | 1206 | 150 | 0 | 0 | 312 | 124 | 1518 | 274 | |
| MAFCO Clinic | No data | No data | 0 | 0 | 15 | 9 | 15 | 9 | |
| SASO Clinic | 0 | 0 | 0 | 0 | 521 | 101 | 521 | 101 | |
| Khombedza HC | 0 | 0 | 0 | 0 | 6 | 2 | 6 | 2 | |
| Chitala HC | 0 | 0 | 0 | 0 | 11 | 0 | 11 | 0 | |
| Maganga HC | 0 | 0 | 0 | 0 | 6 | 6 | 6 | 6 | |
| Maganga HC Mchoka HC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Thavite HC | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 2 | |
| LLW D. HBC | 0 | 0 | 0 | 0 | 27 | 25 | 27 | 25 | |
| Nkhotakhota DH | 158 | 7 | 0 | 0 | 340 | 121 | 498 | 128 | |
| St Anne's MH | 580 | 119 | 12 | 12 | 1026 | 395 | 1618 | 526 | |
| Dwangwa Clinic | 173 | 35 | 0 | 0 | 387 | 114 | 560 | 149 | |
| Alanafe Hospital | 263 | 15 | 0 | 0 | 41 | 114 | 304 | 26 | |
| LLW (CH+LH) | 5306 | 849 | 11823 | 1916 | 5714 | 3203 | 22843 | 20 5968 | |
| LLW (CH+LH) | 208 | 96 | 0 | 0 | 2256 | 1287 | 22843 | 1383 | |
| Lilongwe Macro | 0 | 96 | 0 | 0 | 16860 | 2031 | 16860 | 2031 | |
| Lilongwe SOS | 0 | 0 | 0 | 0 | 302 | 137 | 302 | 137 | |
| Nkhoma MH | 0 No data | No data | 0 | 0 | 502 587 | 285 | 587 | 285 | |
| Likuni MH | 1390 | 217 | 297 | 52 | 118 | 285 91 | 1805 | 283 360 | |
| | 1390 | 128 | 3828 | 52 158 | | 333 | | 360 619 | |
| St Gabriels MH | | | | | 1003 | | 6481 | | |
| ABC MH | 0 797 | 0 | 0 | 0 | 242 | 141 | 242 | 141 | |
| Mlale RH | | 125 | 111 | 6 | 183 | 36 | 1091 | 167 | |
| LLW Barracks H | No data | No data | 0 | 0 | 21 | 13 | 21 | 13 | |

ANNEX 3: NUMBER OF PERSONS HIV TESTED AND HIV-SEROSTATUS RESULTS IN 2003 The Central region:

* includes TB patients

| Site | Blood | Blood | Ante- | Ante- | VCT / | VCT / | Total | Total: |
|----------------|--------|---------|-------|--------|----------|-----------|---------|---------|
| | donors | donors: | Natal | natal: | Patients | Patients: | | HIV+ve |
| | | HIV+ve | | HIV+ve | (*) | HIV+ve | | |
| South Region | | | | | | | | |
| Nsanje DH | 667 | 68 | 0 | 0 | 273 | 162 | 940 | 230 |
| Trinity MH | 329 | 86 | 0 | 0 | 454 | 299 | 783 | 385 |
| Chikwawa DH | 1062 | 131 | 0 | 0 | 587 | 196 | 1649 | 327 |
| Montfort MH | 414 | 92 | 0 | 0 | 415 | 102 | 829 | 194 |
| Sucoma Clinic | 0 | 0 | 0 | 0 | 269 | 84 | 269 | 84 |
| Mapalela HC | 0 | 0 | 0 | 0 | 76 | 16 | 76 | 16 |
| Mangochi DH | 1824 | 255 | 1 | 0 | 566 | 200 | 2390 | 456 |
| St Martins MH | 269 | 60 | 0 | 0 | 344 | 85 | 613 | 145 |
| Machinga DH | 1402 | 245 | 0 | 0 | 1552 | 1029 | 2954 | 1274 |
| Ntaja HC | 0 | 0 | 0 | 0 | 337 | 39 | 337 | 39 |
| Liwonde HIC | 0 | 0 | 0 | 0 | 447 | 61 | 447 | 61 |
| Balaka DH | 984 | 161 | 0 | 0 | 494 | 175 | 1478 | 336 |
| Thyolo DH | 1130 | 183 | 2650 | 513 | 6575 | 3283 | 10355 | 3979 |
| Malamulo MH | 734 | 107 | 19 | 2 | 1250 | 411 | 2003 | 520 |
| Thyolo HCs | 0 | 0 | 0 | 0 | 6399 | 1626 | 6399 | 1626 |
| Mulanje DH | 1212 | 278 | 0 | 0 | 464 | 205 | 1676 | 483 |
| Mulanje MH | 415 | 76 | 0 | 0 | 1241 | 794 | 1656 | 870 |
| Namisima HC | 0 | 0 | 0 | 0 | 531 | 73 | 531 | 73 |
| Phalombe MH | 582 | 139 | 0 | 0 | 386 | 218 | 968 | 357 |
| Mwanza DH | 1375 | 235 | 1565 | 205 | 1446 | 330 | 4386 | 770 |
| Matope HC | 0 | 0 | 0 | 0 | 1185 | 145 | 1185 | 145 |
| Chiradzulu DH | 831 | 116 | 731 | 144 | 6556 | 3908 | 8118 | 4168 |
| Bilawo HC | 0 | 0 | 0 | 0 | 144 | 82 | 144 | 82 |
| Chitela HC | 0 | 0 | 0 | 0 | 115 | 37 | 115 | 37 |
| Mauwa HC | 0 | 0 | 0 | 0 | 252 | 108 | 252 | 108 |
| Mbulumbuzi HC | 0 | 0 | 0 | 0 | 263 | 130 | 263 | 160 |
| Milepa HC | 0 | 0 | 0 | 0 | 462 | 213 | 462 | 213 |
| Namadzi HC | 0 | 0 | 0 | 0 | 331 | 148 | 331 | 148 |
| Namitambo HC | 0 | 0 | 0 | 0 | 609 | 297 | 609 | 297 |
| Ndunde HC | 0 | 0 | 0 | 0 | 206 | 109 | 206 | 109 |
| Nkalo HC | 0 | 0 | 0 | 0 | 237 | 133 | 237 | 133 |
| PIM HC | 0 | 0 | 0 | 0 | 275 | 109 | 275 | 109 |
| St Joseph's MH | 907 | 110 | 101 | 21 | 686 | 327 | 1694 | 458 |
| Zomba CH | 2358 | 433 | 0 | 0 | 1077 | 440 | 3435 | 873 |
| St Lukes MH | 939 | 260 | 0 | 0 | 653 | 293 | 1592 | 553 |
| Zomba Police H | 0 | 0 | 0 | 0 | 61 | 203 | 61 | 20 |
| Zomba Army H | 74 | 41 | 0 | 0 | 209 | 95 | 283 | 136 |
| Nkasala HC | 0 | 0 | 0 | 0 | 44 | 13 | 44 | 130 |
| Domasi Rural H | 0 | 0 | 0 | 0 | 334 | 46 | 334 | 46 |
| Matawale HC | 164 | 27 | 0 | 0 | 544 | 103 | 708 | 130 |
| Nasawa HC | 0 | 0 | 0 | 0 | No data | No data | No data | No data |
| QECH Blantyre | 7931 | 1493 | 0 | 0 | 3428 | 1414 | 11359 | 2907 |
| Ndirande HC | 0 | 0 | 0 | 0 | 3162 | 828 | 3162 | 828 |
| | 2448 | | | - | | | | |
| Mlambe MH | | 386 | 0 | 0 | 338 | 284 | 2786 | 670 |
| Blantyre Macro | 0 | 0 | 0 | 0 | 18138 | 3274 | 18138 | 3274 |

ANNEX 3: NUMBER OF PERSONS HIV TESTED AND HIV-SEROSTATUS RESULTS IN 2003 The Southern region:

* includes TB patients

ANNEX 4: TB CASES, HIV TESTING AND ADJUNCTIVE COTRIMOXAZOLE OFFERED AT ALL GOVERNMENT AND CHAM HOSPITALS WHICH REGISTERED TB PATIENTS IN 2003

| Site | TB cases registered | TB cases | TB Cases HIV- | Offered |
|---------------------------|---------------------|------------|---------------|---------------|
| | in 2003 | HIV-tested | positive | Cotrimoxazole |
| North Region | | | | |
| Chitipa DH | 87 | 41 | 23 | 21 |
| Karonga DH | 297 | 227 | 178 | 163 |
| Nkhata Bay DH | 389 | 0 | 0 | 0 |
| Rumphi DH | 229 | 0 | 0 | 0 |
| Livingstonia MH | 69 | 0 | 0 | 0 |
| Mzuzu CH | 540 | 0 | 0 | 0 |
| Mzimba DH | 290 | 107 | 59 | 56 |
| St Johns MH | 146 | 0 | 0 | 0 |
| Ekwendeni MH | 147 | 65 | 53 | 53 |
| EmbangweniMH | 112 | 49 | 25 | 25 |
| Katete MH | 19 | 8 | 4 | 0 |
| Central region | | | | |
| Mchinji DH | 439 | 0 | 0 | 0 |
| Ntcheu DH | 686 | 164 | 76 | 72 |
| Dedza DH | 443 | 0 | 0 | 0 |
| Mua MH | 81 | 38 | 18 | 0 |
| Kasungu DH | 530 | 216 | 132 | 129 |
| Dowa DH | 247 | 38 | 18 | 0 |
| Madisi MH | 134 | 0 | 0 | 0 |
| Ntchisi DH | 196 | 21 | 15 | 0 |
| Salima DH | 492 | 0 | 0 | 0 |
| Nkhotakhota DH | 542 | 0 | 0 | 0 |
| Lilongwe CH | 2978 | 688 | 406 | 396 |
| Nkhoma MH | 318 | 0 | 0 | 0 |
| Likuni MH | 254 | 0 | 0 | 0 |
| St Gabriels MH | 261 | 83 | 50 | 49 |
| South Region | 201 | 05 | | |
| Nsanje DH | 701 | 114 | 82 | 0 |
| Trinity MH | 229 | 82 | 48 | 44 |
| Chikwawa DH | 961 | 0 | 0 | 0 |
| Montfort MH | 113 | 0 | 0 | 0 |
| Mangochi DH | 1257 | 0 | 0 | 0 |
| Machinga DH | 719 | 192 | 121 | 118 |
| Balaka DH | 456 | 0 | 0 | 0 |
| Thyolo DH | 844 | 771 | 597 | 563 |
| Malamulo MH | 298 | 222 | 182 | 181 |
| Mulanje DH | 724 | 0 | 0 | 0 |
| | | 161 | 129 | 125 |
| Mulanje MH Phalombe MH | 456 187 | â | 0 | 0 |
| | | 0 | | 0 |
| Mwanza DH | 622 | 0 | 0 311 | |
| Chiradzulu DH | 1007 | 386 | | 311 |
| St Joseph's MH | 440 | 0 | 0 | 0 |
| Zomba CH | 2720 | 172 | 109 | 0 |
| St Lukes MH | 207 | 60 | 43 | 43 |
| QECH | 4208 | 78 | 55 | 0 |
| Mlambe MH | 667 | 0 | 0 | 0 |

ANNEX 5: VCT FACILITIES, COUNSELORS AND SUPERVISION AT GOVERNMENT AND CHAM HOSPITALS LISTED FOR POSSIBLE ART SCALE UP

| Site | No. VCT Counselors | No. full-time VCT Counselors | Dedicated VCT Room | VCT Registers being used | External VCT Supervision |
|-------------------|-----------------------|------------------------------------|--------------------------|--------------------------------|-----------------------------|
| North Region | | | | | |
| Chitipa DH | 3 | 2 | 1 | Yes | Yes |
| Karonga DH | 14 | 1 | 1 | Yes | No |
| Nkhata Bay DH | 4 | 1 | 1 | Yes | No |
| Rumphi DH | 15 | 0 | 0 | Yes | No |
| Livingstonia MH | 11 | 0 | 0 | No | No |
| Mzuzu CH | 28 | 1 | 1 | Yes | No |
| Moyale Barracks | 4 | 0 | 0 | No | No |
| Mzimba DH | 4 | 0 | 0 | Yes | No |
| St Johns MH | 7 | 0 | 1 | Yes | No |
| Ekwendeni MH | 2 | 1 | 1 | Yes | Yes |
| Embangweni MH | 44 | 0 | 1 | Yes | Yes |
| Katete MH | 10 | 0 | 0 | Yes | Yes |
| Central region | | | | | |
| Mchinji DH | 7 | 0 | 0 | Yes | No |
| Ntcheu DH | 5 | 0 | 0 | No | No |
| Dedza DH | 3 | 0 | 0 | No | No |
| Mua MH | 4 | 1 | 1 | Yes | No |
| Kasungu DH | 10 | 1 | 3 | Yes | Yes |
| Dowa DH | 22 | 0 | 2 | Yes | No |
| Madisi MH | 2 | 0 | 1 | No | No |
| Mtengawathenga MH | 2 | 0 | 0 | Yes | No |
| Ntchisi DH | 7 | 0 | 0 | No | No |
| Salima DH | 7 | 0 | 0 | No | No |
| Nkhotakhota DH | 7 | 0 | 0 | No | No |
| St Anne's MH | 5 | 0 | 0 | No | No |
| Dwangwa Clinic | 6 | 1 | 0 | No | Yes |
| Lilongwe LH | 8 | 8 | 4 | Yes | No |
| LLW Bottom H | 4 | 2 | 2 | Yes | No |
| Mlale MH | 3 | 0 | 0 | No | No |
| Nkhoma MH | 4 | 0 | 1 | Yes | No |
| Likuni MH | 14 | 0 | 2 | No | No |
| St Gabriels MH | 11 | 0 | 3 | Yes | No |
| LLW SOS Clinic | 3 | 2 | 1 | Yes | No |
| ABC MH | 2 | 1 | 2 | Yes | No |
| LLW Barracks H | 2 | 0 | 0 | No | No |

ANNEX 5: VCT FACILITIES, COUNSELORS AND SUPERVISION AT GOVERNMENT AND CHAM HOSPITALS LISTED FOR POSSIBLE ART SCALE UP (Continued)

| Site | No. VCT Counselors | No. full-time VCT Counselors | Dedicated VCT Room | VCT Registers being used | External VCT Supervision |
|----------------|-----------------------|------------------------------------|--------------------------|--------------------------------|-----------------------------|
| South Region | | | | | |
| Nsanje DH | 1 | 0 | 1 | Yes | No |
| Trinity MH | 14 | 0 | 0 | Yes | Yes |
| Chikwawa DH | 4 | 0 | 0 | Yes | Yes |
| Montfort MH | 3 | 1 | 2 | Yes | No |
| Sucoma Clinic | 12 | 0 | 0 | No | No |
| Mangochi DH | 6 | 1 | 1 | Yes | No |
| Machinga DH | 4 | 0 | 1 | Yes | No |
| Balaka DH | 8 | 0 | 1 | Yes | No |
| Thyolo DH | 6 | 5 | 5 | Yes | Yes |
| Malamulo MH | 10 | 1 | 1 | Yes | Yes |
| Mulanje DH | 7 | 0 | 1 | Yes | Yes |
| Mulanje MH | 7 | 2 | 2 | Yes | No |
| Phalombe MH | 8 | 0 | 2 | Yes | No |
| Mwanza DH | 4 | 1 | 1 | Yes | Yes |
| Chiradzulu DH | 8 | 7 | 3 | Yes | No |
| St Joseph's MH | 5 | 1 | 2 | Yes | No |
| Zomba CH | 6 | 3 | 1 | Yes | No |
| Zomba Police H | 1 | 0 | 1 | No | No |
| Zomba Army H | 6 | 0 | 1 | Yes | Yes |
| St Lukes MH | 7 | 2 | 2 | Yes | No |
| QECH Blantyre | 4 | 1 | 1 | Yes | Yes |
| Mlambe MH | 2 | 1 | 2 | Yes | No |