MINISTRY OF HEALTH

OpenMRS MODULE USE GUIDE

NAME: Quarterly HIV Care and ART Reporting Module

Contents

FIGURES

OVERVIEW

This form is designed to report quantitative and qualitative information about HIV care and ART care at a medical facility for a reporting period lasting from the first day of the quarter to the last day of the quarter during the USG fiscal year. For example, data from the first quarter of the fiscal year would include information from October 1 to December 31. (2nd quarter lasts from Jan 1 – March 31, 3rd quarter lasts from April 1 – June 30, 4th quarter lasts July 1 – September 30). One quarter is equal to three full months.

Quarterly Reporting gives possibilities of getting patients by different categories of gender and age.

Quarterly HIV Care and ART Reporting module provide different categories of patients' information.

1. HIV Palliative care (non-ART and ART)

Tables 1.0 and 1.1 collect *facility-based* information on "Palliative Care." Table 1.1 is an age-disaggregated subset of Table 1.0.

- o The first column includes the cumulative total number of persons ever enrolled in HIV care program at the facility at beginning of the quarter.
- o The second column includes new persons enrolled in the HIV care program at the facility during the reporting quarter.
- o The number in the third column should equal the sum of the numbers in the first and second columns for each row.
- o The final column should include all HIV-infected persons who received care provided by this facility at any time during the quarter. For the purpose of this table, care is defined as any **encounter** between a staff person and the person in care, including enrollment visits, **medical visits**, **home-based care**, and **visits to the pharmacy**, **lab**, **adherence counselor**, etc (1).

- o Number in HIV care during the quarter & eligible for ART, but NOT started ART by the end of the quarter are all persons who met the facility's definition of eligibility for ART, but who had not yet started ART by the end of the quarter. This number should be a subset of (1).

2. ART care

Tables 2.0 and 2.1 collect information consistent on "Treatment: Antiretroviral Services." Table 2.1 is an age-disaggregated subset of Table 2.0.

- o The first column should include cumulative total number of persons started on ART at this facility at the beginning of the quarter.
- o The second column should include persons who started ART during the reporting quarter.
- o The number in the third column should equal the sum of the numbers in the first and second columns for each row.
- o The fourth column is a subset of the second column. This column includes only persons who initiated ART during the reporting period (NEW). New persons do not have to be treatment naïve. For example, a woman may have received single dose nevirapine for prevention of mother-to-child transmission in the past. She is not treatment-naïve, but she will be NEW to ART care.
- o The fifth column is also a subset of the second column. This column includes only persons who were already on ART supported by another source (self-pay, Ministry of Health, etc.) and who continued ART, but transferred into the EP program (TRANSFERS).
- o Pregnant females request information on number of females who were pregnant at the time of enrollment into ART care cumulatively at the beginning of the quarter, during the quarter, and cumulatively at the end of the quarter.
- o Pregnant female (fifth column) requests the number of pregnant females who enrolled in the quarter and were NEW on ART.
- o Pregnant female (sixth column) asks for the number of pregnant females who enrolled in the quarter and who continued ART started at another facility (TRANSFERS); Pregnant female (seventh column) requests the total number of females on ART at the end of the quarter who were pregnant at any point during the quarter;
- o ART care includes persons taking ARVs for their own health, not women taking ART only for PMTCT (prevention of mother to child transmission).

2. ART care

3. Change in CD4+ count and ART adherence for 6-month and 12-month cohorts

Because normal ranges of CD4 counts are different for adults and children, it gives exclusively persons who are 6 years.

- Table 4.1 should include information for persons who have completed 6 months of ART, **except** cell 4.1b should include all persons who began ART in this cohort, even if they did not complete 6 months of ART.
- The second column of Table 4.1 (entitled "6 months") should include only those persons who completed 6 months of ART.
- The baseline CD4+ count should be obtained any time during the 3-month period prior to starting ART or within 2 weeks after starting ART.
- The 6-month CD4+ count should be obtained within 4 – 7 months after starting ART.
- Because of the lag in getting CD4 test results, we are allowing for a 2-month lag in reporting for the 6- and 12-month cohort. Please use the following table is used to designate 6-month cohorts by reporting period:
- For reporting the quarter ending December 31 – report persons beginning ART in the previous February, March, and April.
- For reporting the quarter ending March 31 – report persons beginning ART in the previous May, June, and July.
- For reporting the quarter ending June 30 – report persons beginning ART in the previous August, September, and October.
- For reporting the quarter ending September 30 – report persons beginning ART in the previous November, December, and January.
- Table 4.2 should include information for persons who have completed 12 months of ART, **except** cell 4.2b should include all persons who began ART in this cohort, even if they did not complete 12 months of ART.
- The second column of Table 4.2 (entitled "12 months") should include only those persons who completed 12 months of ART.
- If a person on ART transfers out of the facility before getting a 12-month CD4+ count, he or she should be excluded from this table.
- The 12-month CD4+ count should be obtained within 8 – 13 months after starting ART.
- Cohorts should include persons who began ART 14, 15, and 16 months before the end of the current reporting period.

4. ART Program Follow-Up: Number of persons started on ART who were NOT on ART at the end of the quarter

Tables 6.0 and 6.1 are designed to describe the most recent status of persons who started on ART in the grantee's program at the facility at any point since the beginning of the program. Table 6.1 is an age-disaggregated subset of Lines 1 and 3 in Table 6.0.

- o These tables ask for the number of people who were on ART who are NOT on ART at the end of the quarter, disaggregated by the reason they are not on ART.
- o These numbers are expected to change from one quarter to another as information is gathered and status can be updated.
- o These numbers can go down as well as up. Death is a final state, but people can restart ART after stopping, can transfer back in after having transferred out, and can return to the program after being lost to follow-up.
- o We would consider a person as lost to follow up (LTF) if s/he has not been to clinic or picked up drugs for at least 3 months. If your clinic has another definition of LTF, please indicate this when filling out the table.

5. Number of patients on each regimen at the end of the quarter

This part helps to know patients categorized by age and gender on each of all available ARV Drugs regimens. Regimen is a combination of drugs.

Example: AZT+NVP+3TC

N.B. only patients who are active in reporting period are considered and they are subset of table 2.0 and 2.1

MODULE FEATURES

Login page

This is the first page you see on the very first use of OpenMRS, and this is where you have to enter the system by specifying correctly your privileges (username and password).

Figure 1. Login page

Username and password

This is the security page, and once you enter the wrong username or password, you will have to correct it before you can log in, otherwise, you will have to check on the system administrator in order to get help.

Figure 2. Login page with Username and Password

   1) Where we enter the *username*

   2) Where we enter the *password*

Administration page

Figure 3. Administration page

On this pages is displayed many thing including a link called activities where you can take a module of choice.

Activities

Figure 4. Quarterly HIV Care And ART Reporting Module

This brings someone to the page where are displayed different openMRS modules so that he can access directly the **Quarterly HIV Care And ART Reporting [0].**

Main Page

(1) This is a search button used to make user's request

(2) List of year's quarters

(3) Years

Figure 5. Home page

Statistics Page

1.1 Pediatric HIV Palliative Care (non ART and ART care)

Males (0-1 year)	0	4	4		4
Males (2-4 years)	10	2	12		14
Males (5-14 years)	68	11	79		37
Females (0-1 year)	5	1	6		2
Females (2-4 years)	9	1	10		5
Females (5-14 years)	77	21	98		64

2.0 ART Care

	Cumulative number started on ART by the beginning of the quarter	Number started on ART in program during the quarter (includes NEW and TRANSFERS)	Cumulative number started on ART by the end of the quarter	Number NEW on ART during the quarter	Number on ART who TRANSFERRED in during the quarter	Total number on ART at the end of the quarter (CURRENT)
Males (0-14 years)	0	8	8	8	0	8
Males (15+ years)	3	14	17	14	0	17
Females (0-14 years)	2	8	10	8	0	10
Females (15+ years)	2	37	39	37	0	39
Total	7	67	74	67	0	74
Pregnant females (subset of total)	0	0	0	0	0	
				No. of persons on ART at the end of the quarter who were treated with USG-funded ART		

4.1 Change in CD4+ count and adherence to ART for 6-month cohort (Patient >6 years)

	Baseline	6 months
Months when cohort started ART	01-07-2004	
Number of persons in cohort	0	222
No. in cohort who received ARVs for 6 out of 6 months	0	60
Median CD4+ count for cohort	0.0	167.0
No. in cohort who received ARVs for 6 out of 6 months		427

4.2 Change in CD4+ count and adherence to ART for 12-month cohort (Patient >6 years)

	Baseline	12 months
Months when cohort started ART	01-01-2004	
Number of persons in cohort	21	398
No. in cohort who received ARVs for 6 out of 6 months	2	339
Median CD4+ count for cohort	779.0	167.0
No.of persons in cohort who received ARVs for 12 out of 12 months		583

5. Number of patients on each regimen at the end of the quarter

Regimens	0-1	2-4	5-14	Total 0-14	+15	Total
Zidovudine sirop	0	0	0	0	0	0
test	0	0	0	0	0	0
zido200/lam/nev	0	0	0	0	13	13
ef50/ef200/ef600	0	0	0	0	0	0
179 drugs	0	0	0	0	13	13
new1	0	0	0	0	0	0

English (United Kingdom) Last Build: Dec 17 2010 11:38 AM Version: 1.6.2 dev Build 15244

Done

Figure 6. Statistics Page

This is a printable page but someone can display the patients corresponding to the number and export them into excel for some analyses.

Printing the page

Figure 7. Printing the page

View Patients

View the patients and export them in excel

total number of patients who received HIV Care during the quarter (from **01-Jan-2005** to **31-March-2005**) = **467**

Figure 8. View Patients

Once you click on the number the corresponding patients and their identifications are displayed :

Patients' details

Figure 8. Patients' details

This page has a buttons which helps to export these patients and their more details (CD4 Count, Viral Load and Weight) into excel.
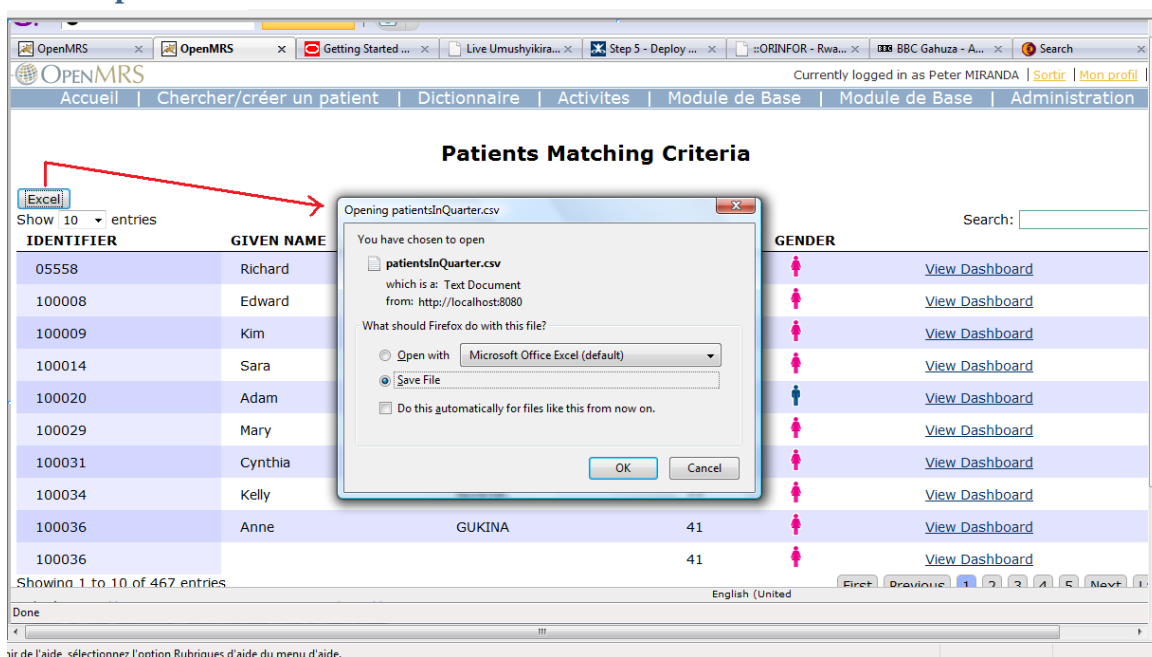
Data Export

Figure 9. Export data

Figure 10. Excel sheet

This excel sheet contains many patients' details such as

- Patient Identification(Family Name, Given name, age, gender)
- Different concepts evolution meaning that if the patient has taken more than one regimen, you should see how some concepts like CD4 Count, Viral Load and Weight have changed.
- Patients' regimens (and start and end date for each regimen)