



The United Republic of Tanzania  
Ministry of Health and Social Welfare

# CD4 COMMODITY

## USER GUIDE AND DOCUMENTATION

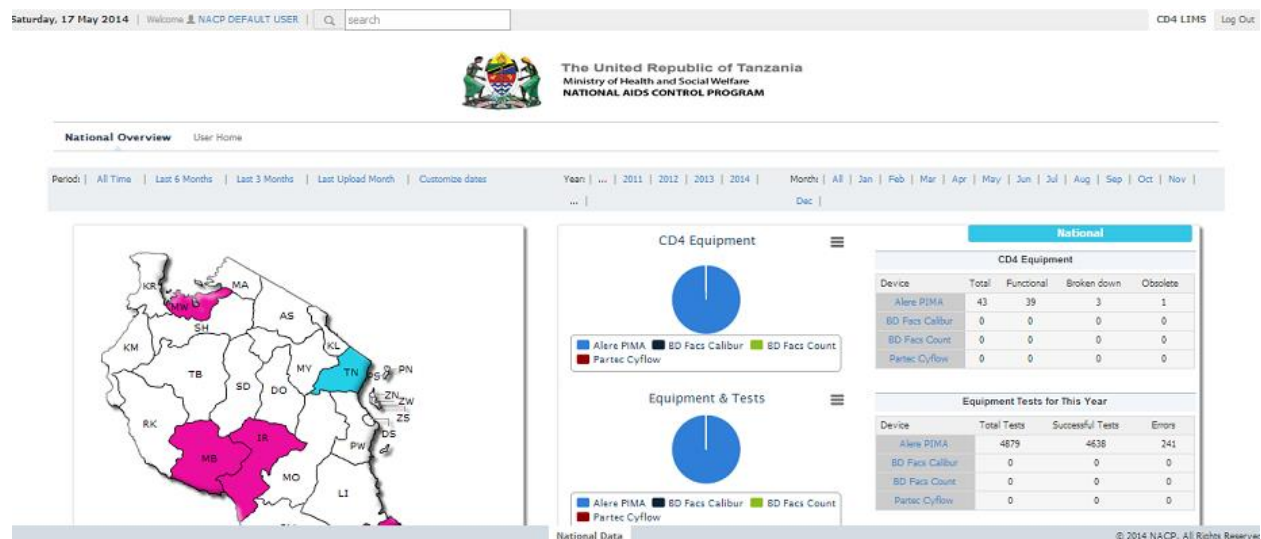
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## NACP

When the nACP module is loaded the dash board is the first page to load, the menu on the menu bar that is bold. At the top left corner of the page shows the current date, next to it is the name of the current logged in user followed by a search text field.



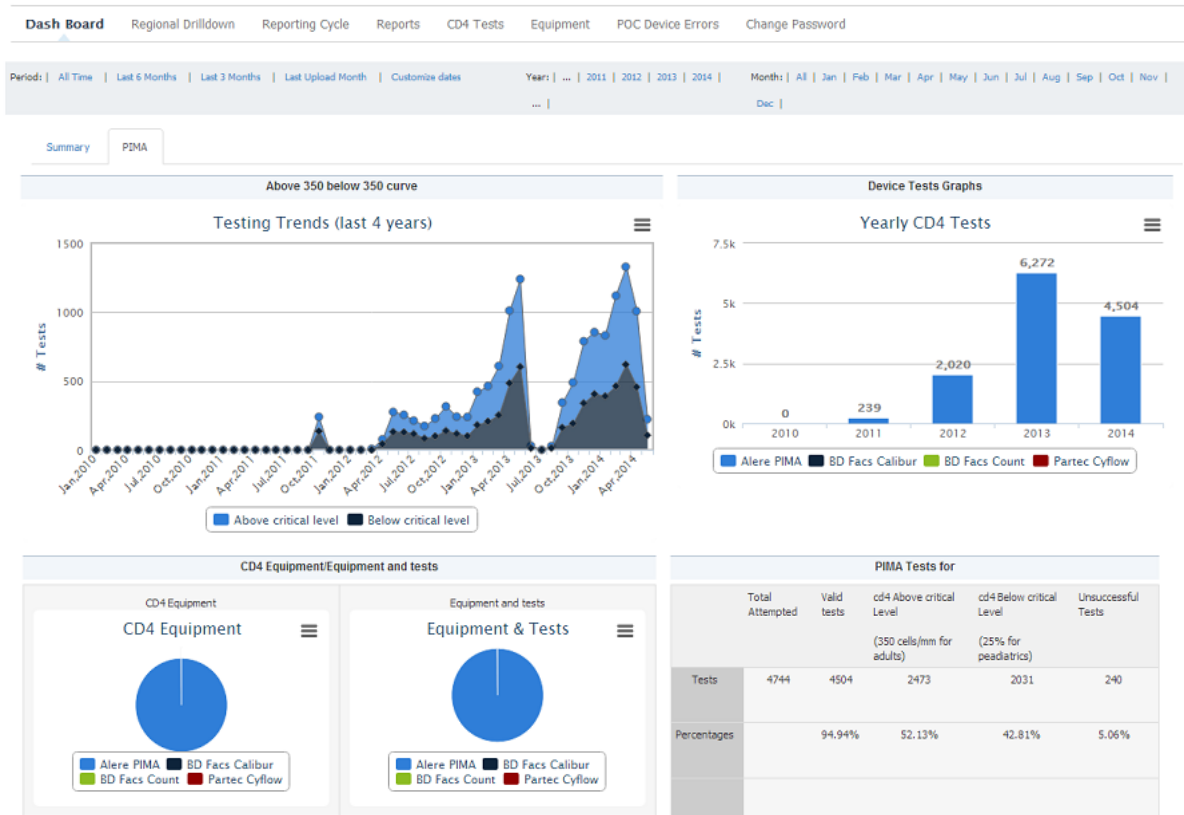
At the top right corner is an option to logout and next to it is a CD4 LIM option that directs the user to the homepage where the national data can be viewed



This NACP module has a menu bar that has a number of options that include: Dash board, Regional Drill, Reporting Cycle, Reports, CD4 Tests, Equipment, POC Device Errors and Change Password.

## Dash board

By default when the dash board is loaded, the PIMA tab is also opened. The first graph to the left shows the testing trends that have been observed for the last 4 years. The graph shows the number of tests that were above critical and those that were below critical. The bar graph next to it is a graph of device tests that have been conducted on a yearly basis. On the lower left side of the page there is a panel that shows equipments and equipments and test. On the right side of the page is another panel that the PIMA tests. It shows the total number of tests that were attempted, the number of valid tests, those that were above the critical level(350 cells/mm for adults) together with those that were below critical(25% for pediatrics) and the number of unsuccessful tests.



## Regional drilldown

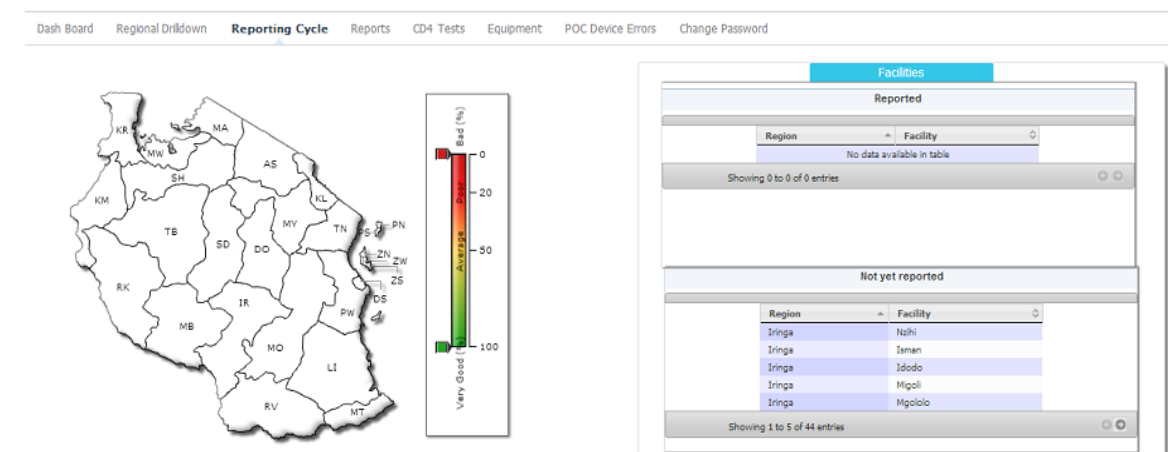
The left most table shows the regions that are in the country. The table (CD4 Tests for this year) on the right shows the tests results of the tests that have been conducted in the entire current year. This table shows the number of total attempted test, the number of the valid tests, the tests that came out as above the critical level (**350 cells/mm for adults**), the tests that were below the critical level (**25% for pediatrics**) and the number of unsuccessful tests. Below the CD4 Tests table there is an Equipment Test table that shows the number of tests the available equipments have been used to conduct, this include the total number of tests, number of the successful tests and the number of errors encountered.

The lower table shows the CD4 tests, the dates that the tests have been conducted, the number of facilities that have been reported, the number of total tests that that were conducted in the specified period of time, the number of valid test that have been conducted in that period of time, the number of tests that were above the critical level and the number of tests that were below the critical limit.

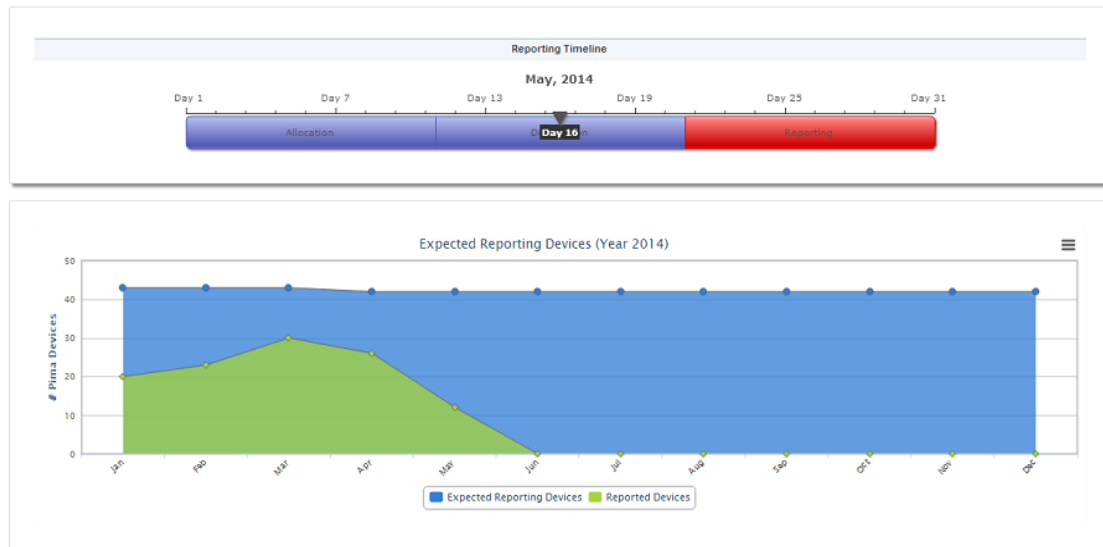
CD4 Tests								
#	Dates		# Facilities Reported	# of total tests	# of valid tests	# of tests >= 350 cells/mm3	# of tests < 350 cells/mm3	# of errors
	From	To						
1	2014-May-1	2014-May-31	12	232	222	117	105	10
2	2014-April-1	2014-April-30	26	1087	1006	550	456	81
3	2014-March-1	2014-March-31	30	1378	1328	709	619	50
4	2014-February-1	2014-February-28	23	1164	1118	656	462	46
5	2014-January-1	2014-January-31	20	883	830	441	389	53
Showing 1 to 5 of 5 entries								

## Reporting Cycle

On the left side of the page there is a map of the country showing the various regions in the country. On the right side is a section showing the facilities that have reported and below that those that have not yet reported below together with the regions the facilities belong to.



On the lower part of the page is a timeline showing the reporting timeline for the devices as shown in the figure below in this case the timeline is a month. Below the timeline is a line graph that shows the number of expected reporting devices and the actual number of reported devices.



## Reports

This section allows for the downloading of reports of tests or errors or both on the criteria of either the facilities or the devices for a specified duration of time which is determined by the user. The report can be downloaded in either PDF or Microsoft Excel formats.

The screenshot shows the 'Reports' section of the application. The top navigation bar includes 'Dash Board', 'Regional Drilldown', 'Reporting Cycle', 'Reports' (highlighted), 'CD4 Tests', 'Equipment', 'POC Device Errors', and 'Change Password'. Below the navigation bar is a 'Select criteria to generate reports' form. This form has three rows: 'Report Type' with a dropdown set to 'Show Both Tests and Errors', 'Criteria' with a dropdown set to '\*Select criteria to use\*', and 'Duration' with a dropdown set to '\*Select Duration\*'. To the right of the form are buttons for 'Format' (PDF and EXCEL), a 'Download Report' button, and a 'Reset' button. On the far right, there is a 'Notifications' section with two yellow alerts: '17 Devices Did not upload Last Month.' and '76 Errors (7.48%) reported last month out of 1016 tests'. Below the notifications is a 'Side Menu' with a list of links: '1. My Profile', '2. Settings', '3. flag Device as inactive', and '4. Change Password'.

## CD4 Tests

In this section there is a CD4 tests table that consists of the dates when the tests were conducted to the date they ended in this case it's a month. It also consists of the number of facilities that were reported, the number of total tests, the number of valid tests, the number of tests that were above 350 cells/mm3, number of tests that were below 350 cells/mm3 and the number of errors. The section on the top left allows the administrator to view the equipments in groups of 10, 25, or 100. The user can also search for a facility using the search section on the top right most corner of the table

Home Page

POC Device Uploads

CD4 Tests

Equipment

POC Device Errors

Reports

Change Password

User Guide

Period: | All Time | Last 6 Months | Last 3 Months | Last Upload Month | Customize dates

Year: | ... | 2011 | 2012 | 2013 | 2014 |

Month: | All | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |

CD4 Tests

Show10entries

Search:

#	Dates		# Facilities Reported	# of total tests	# of valid tests	# of tests >= 350 cells/mm3	# of tests < 350 cells/mm3	# of errors
	From	To						
1	2014-May-1	2014-May-31	13	337	326	168	158	11
2	2014-April-1	2014-April-30	26	1111	1030	565	465	81
3	2014-March-1	2014-March-31	30	1378	1328	709	619	50
4	2014-February-1	2014-February-28	23	1164	1118	656	462	46
5	2014-January-1	2014-January-31	20	883	830	441	389	53

Showing 1 to 5 of 5 entries

Notifications

17 Devices Did not upload Last Month.

76 Errors (7.31%) reported last month out of 1040 tests

Side Menu

1. My Profile

2. Settings

4. Change Password

**Notifications**

17 Devices Did not upload Last Month.

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**Side Menu**

1. My Profile  
2. Settings  
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## Equipment

This section shows facilities with equipment. It shows which facility added that equipment, whether it was removed, any reason for deactivation and that particular equipment's history which is a link that can be followed to view more details on that device. The user can also flag a device as active or inactive. The last column in the table is a link that allows the user to view more details about equipment errors. The section on the top left allows the user to view the facilities in groups of 10, 25, or 100. The user can also search for a facility using the search section on the top right most corner of the table.

Home Page	POC Device Uploads	CD4 Tests	<b>Equipment</b>	POC Device Errors	Reports	Change Password	User Guide
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Equipment								
Show	10	entries	Search:					
#	Facility	Equipment Type	Date Added	Date Removed	Deactivation Reason	Equipment History	Flag as inactive/active	Equipment Errors
1	Kisesa	Alere PIMA	2013-August-25			View History	✓	Link
2	Nasa	Alere PIMA	2013-August-25			View History	✓	Link
3	Nyanguge	Alere PIMA	2013-August-25			View History	✓	Link
4	Mkula	Alere PIMA	2013-September-25			View History	✓	Link
5	Misasi	Alere PIMA	2013-September-25			View History	✓	Link
6	Bukumbi	Alere PIMA	2013-October-25			View History	✓	Link
7	Makongoro	Alere PIMA	2013-October-25			View History	✓	Link
8	Kwediboma	Alere PIMA	2013-October-25			View History	✓	Link
9	Tunguli	Alere PIMA	2013-October-25			View History	✓	Link
10	Kibirashi	Alere PIMA	2013-October-25			View History	✓	Link

Showing 1 to 10 of 43 entries

**Notifications**

17 Devices Did not upload Last Month.

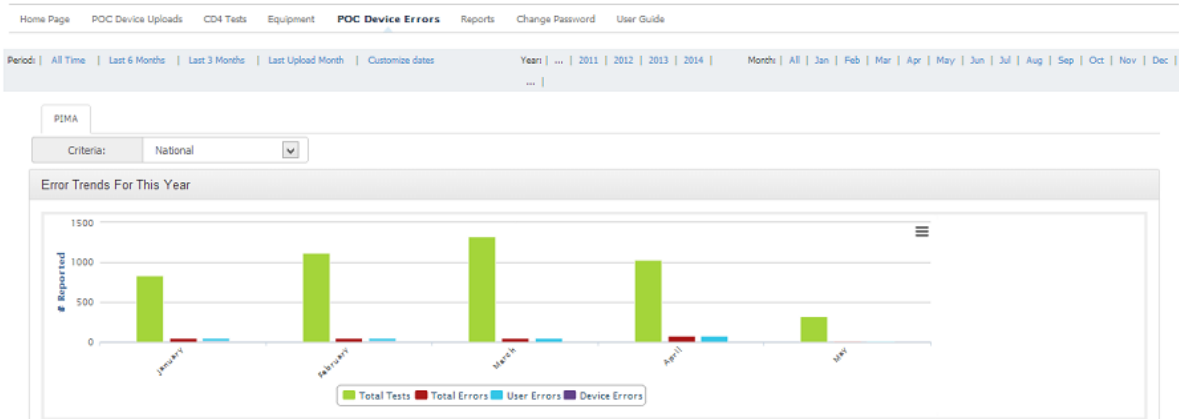
76 Errors (7.31%) reported last month out of 1040 tests

**Side Menu**

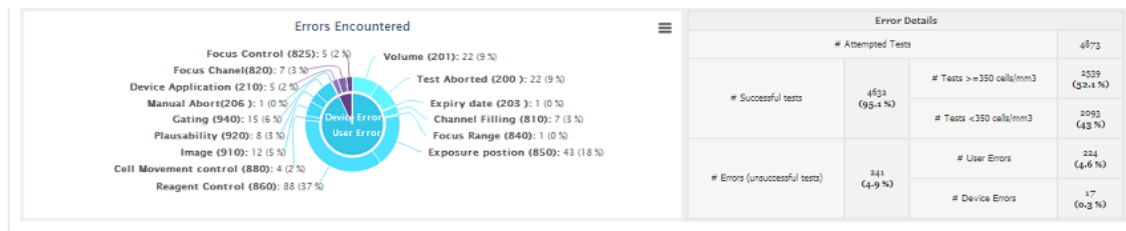
1. My Profile  
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4. Change Password

## POC Devices Errors

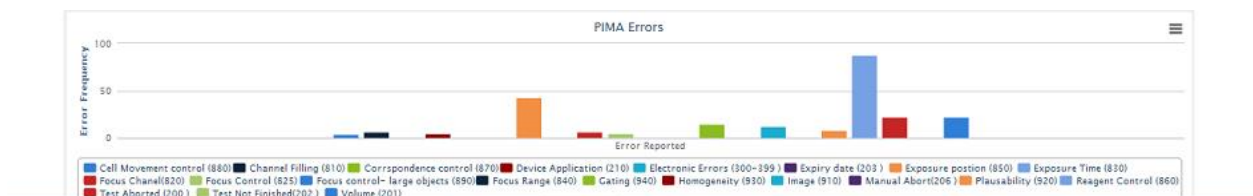
This section allows shows all the POC Device errors that have been reported. By default the error trends nation-wide is loaded first.



The graph shows Total Tests done, Total Errors, User Errors, Device Errors for the year 2013



The above graph shows a detailed overview in a pictorial format of all the components to be considered that make a testing scenario. It is downloadable as PDF or image format by clicking on the icon on the top right corner. The table on the right shows successful tests  $\geq 350$  cells/mm<sup>3</sup> and test  $< 350$  cells/mm<sup>3</sup> and an overall success percentage on tests. The lower section of the report shows the errors encountered both user and device errors in their percentage and an overall error percentage.



This graph shows all the PIMA errors and their conditions that lead to the errors. The conditions are represented in a colorful key to easily identify the conditions.

By clicking on the criteria combo box, the user can filter the view, by partner, by region, by district, by facility or by device. Another combo box will appear allowing the user to filter by preferred criteria

Criteria: Facility

Select Facility: ---Choose Facility---

## Change Password

When the administrator selects the change password menu, he/she is brought to pop-up page that requires the old password, the new password that the administrator intends to be using and then retyping of the new password to ensure that the submitted password is as intended. Once the password is changed the old password becomes obsolete and would not work again unless the password is changed back to the old one.

The screenshot displays a web application interface. A modal dialog box titled "Change Password" is centered on the screen. It contains three input fields: "Old Password :", "Password :", and "Confirm Password :", each followed by a masked password field (represented by asterisks). Below these fields are two buttons: "Save password" (blue) and "Close" (red). The background is a dimmed view of the application's main content. At the top, there are navigation links: "Home Page", "POC Device Uploads", "CD4 Tests", and "Equipment". Below these is a table with columns: "#", "Facility", "Equipment Type", "Date Added", and "View History". The table lists 10 entries, all of which are "Alere PIMA" devices added on various dates in 2013. To the right of the table, there are "Notifications" and a "Side Menu" with options like "My Profile", "Settings", and "Change Password".

Change Password

Old Password : \*\*\*\*\*

Password : \*\*\*\*\*

Confirm Password : \*\*\*\*\*

Save password Close

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#	Facility	Equipment Type	Date Added	View History
1	Kiessa	Alere PIMA	2013-August-25	View History
2	Nasa	Alere PIMA	2013-August-25	View History
3	Nyangugue	Alere PIMA	2013-August-25	View History
4	Mkula	Alere PIMA	2013-September-25	View History
5	Misai	Alere PIMA	2013-September-25	View History
6	Bukumbi	Alere PIMA	2013-October-25	View History
7	Makongoro	Alere PIMA	2013-October-25	View History
8	Kinediboma	Alere PIMA	2013-October-25	View History
9	Tunguli	Alere PIMA	2013-October-25	View History
10	Kibirashi	Alere PIMA	2013-October-25	View History

Showing 1 to 10 of 43 entries

Notifications

- 17 Devices Did not upload Last Month.
- 76 Errors (7.48%) reported last month out of 1016 tests

Side Menu

- 1. My Profile
- 2. Settings
- 4. Change Password