
Supply Chain Documentation

Release 1.0

sci devs

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This is documentation for the hierarchy of the drugs supply chain that is not captured in DHIS2 for purposes of analysis and report generation.

There is a [downloadable PDF version](#) of this documentation, a *mobile friendly EPUB version* and a *downloadable HTML version*.

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1.1 Overview

The purpose of this project is to establish an hierarchy of the drugs supply chain that is not captured in DHIS2 for purposes of analysis and report generation.

As things stand, the Kenya instance of [DHIS2](#) only establishes a hierarchy based on the countries administrative units which while important, does not capture the supply chain hierarchy.

The drug supply hierarchy needs to place facilities in their correct order clearly showing the reporting chain ie what facilities report to what and what facilities are children so to speak of what facilities.

1.1.1 Facility types

For ART-related medicines, the health facilities are categorized into five (5) types:

1. Central stores
2. Central store dispensing points
3. Satellite stores
4. Stand alone sites
5. Sub-County stores (formerly the district stores)

For Nutrition & HIV commodities, the health facilities are categorized into four (4) types:

1. Central sites
2. Central site Dispensing points
3. Satellite sites
4. Standalone sites

1.1.2 The reporting hierachy

The Standalone sites, Sub-county Stores and the Central sites form the **ORDERING POINTS**. These Ordering points are supplied by the national/central level stores, e.g. [KEMSA](#). An Ordering point is defined as a designated Central site, Standalone site or a Sub-county store that orders ARV and OI commodities from the allocated commodity pipeline, e.g. [KEMSA](#), [NHPplus](#). Usually these are higher level facilities, e.g. hospitals.

A **Central site** is defined as a facility that provides ART/Nutrition services and also supplies lower level sites (Satellite sites) with ART-related medicines & nutrition commodities.

As an Ordering point, Central sites own (in the reporting hierarchy) the Central site Dispensing points and the Satellite sites.

A **Central site Dispensing point** is the Central site itself reporting for its own commodity stock and usage (without that of the Satellite sites), as a service delivery point.

Satellite sites are health facilities that report to the Central stores, i.e. that are health facilities providing ART/Nutrition & HIV services, that are supplied with commodities by a Central site or Sub-county store.

Usually these are lower level health facilities, e.g. health centres, dispensaries.

A **Sub-county store** is defined as a facility that DOES NOT provide ART/Nutrition & HIV services but supplies lower level sites (Satellite sites) with ART-related medicines and Nutrition & HIV commodities.

A **Standalone site**, as the name suggests, do not have any affiliation in the reporting hierarchy, i.e. they are facilities that provide ART/Nutrition & HIV services but DO NOT supply any lower level sites (Satellite sites).

Existing facilities (Level 4) are used as stores for the purpose of drug dispensing.

These facilities are captured in DHIS2 as Level 4 Organization Units and thus no hierarchy exists between them.

The purpose of this project is to establish that hierarchy.

Note:

- **NASCOP** maintains the list of approved Central, Satellite and Standalone sites, and Sub-County stores.
 - Each Central site and Sub-county store has a defined list of Satellite sites.
 - No Satellite site should report or receive stocks from more than one (1) Central site or Sub-county store.
-

1.2 Approach

The project is developed as a DHIS2 Data Aggregation WebApp that would run on an independent instance and maintain its own local database, but have the ability to read and write to DHIS2.

1.2.1 The web API and the database

The Web API is used to a great deal as a source of data for the backbone database used. The API allows us to query for all organization units and sort them into Counties (Level 2), SubCounties (Level 3) and facilities (Level 4). This data is then used to populate the respective tables in the database.

Once all this data is inserted into the database, the process of establishing which facilities lie under which category begins. This is left to the discretion of the user who is prompted to supply facilities under each category from the list we have.

The purpose of incorporating the existing DHIS2 hierarchy of counties and sub-counties is to aid the user in the search and selection process by providing a mechanism in which they can drill down to a smaller number of facilities as opposed to being presented with all the facilities at once e.g

- the user should be able to generate a combined report (MoH730A or MoH729A) for the Sub-county store and its Satellite sites.
- the user should also be able to group Standalone sites by county or sub-county (or Central sites or Sub-county stores).

Once the Central stores, dispensing points, satellite sites and stand alone sites are established and inserted into the database, DHIS2 Web API is queried for analytics based on the hierarchy established and the results displayed.

1.3 Project structure

The project contains three parts: api, assets, client, db.

Each part forms an important part of this project.

1.3.1 api

These are PHP5_CURL scripts that interact with the DHIS2 API. Data querying from DHIS2 API and some level of processing is done here.

1.3.2 Assets

These are the resources needed in this project.

It contains the JavaScript, CSS, Bootstrap, Font-Awesome scripts.

1.3.3 Client

This is the presentation and user interface logic.

It contains scripts that will display on the browser.

1.3.4 db

This is the database logic. It contains scripts for database authentication and connection creation as well as those for inserting, fetching and updating items on the database.

1.3.5 System

This is the system environment variables. It contains parameters that need to be set for the system to run once deployed.

They include the database authentication and connection creation.

Edit the config (config.php) file to reflect your local environment.

The projects landing page is index.php which is located at its root. It is the login page.

1.4 User guide

1.4.1 Introduction

Managing supply chains in support of HIV/AIDS services is a formidable challenge, especially in developing countries. Expanding programs for HIV/AIDS, TB and malaria require strong and supportive laboratory services that depend on the availability of the required commodities to perform critical tests, with most tests requiring multiple

commodities to be available simultaneously. A correctly designed and run distribution system should keep the commodities in good condition, rationalize storage points, use transport as efficiently as possible, reduce theft and fraud and provide information for forecasting needs. This requires a good management of the system along with a simple but well-designed information system in place. The purpose of this project is to establish an hierarchy of the drugs supply chain that is not captured in DHIS2 for purposes of analysis and report generation.

As things stand, the Kenya instance of [DHIS2](#) only establishes a hierarchy based on the country's administrative units (national, county, sub-county, facility), which while important, does not capture the supply chain hierarchy for ART-related medicines & nutrition commodities.

This supply hierarchy needs to place facilities in their correct order matching the flow of both data/information and health commodities; hence clearly showing the reporting chain i.e. what facilities report to which others, and what facilities report to the national/central level (NAS COP), hence instituting a parent-child relationship.

1.4.2 Getting started

The purpose of this project is to establish the current hierarchy of the ART-related medicines and Nutrition & HIV commodities supply chain, which is not captured in DHIS2, for purposes of analysis and report generation.

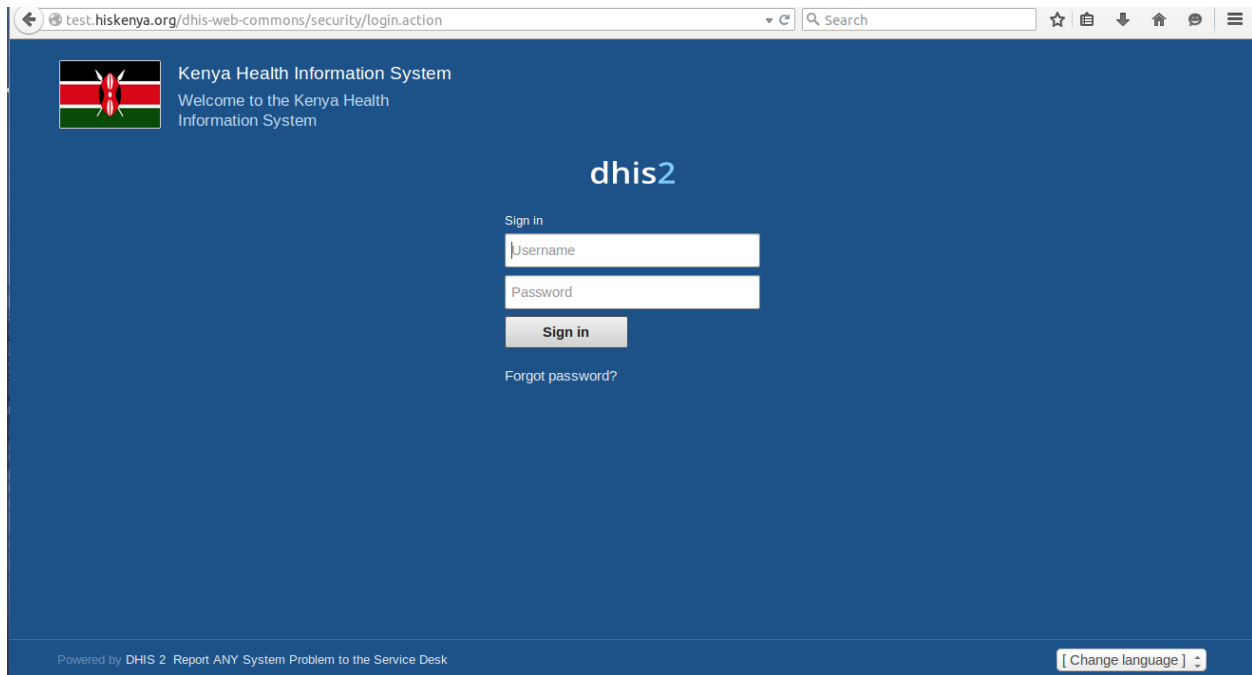
System requirements

Chrome browser is recommended for the application. This is because of the javascript that is used in the app. Its able to load faster in chrome.

Login roles to DHIS2 are also required inorder to access the application.

Logging in

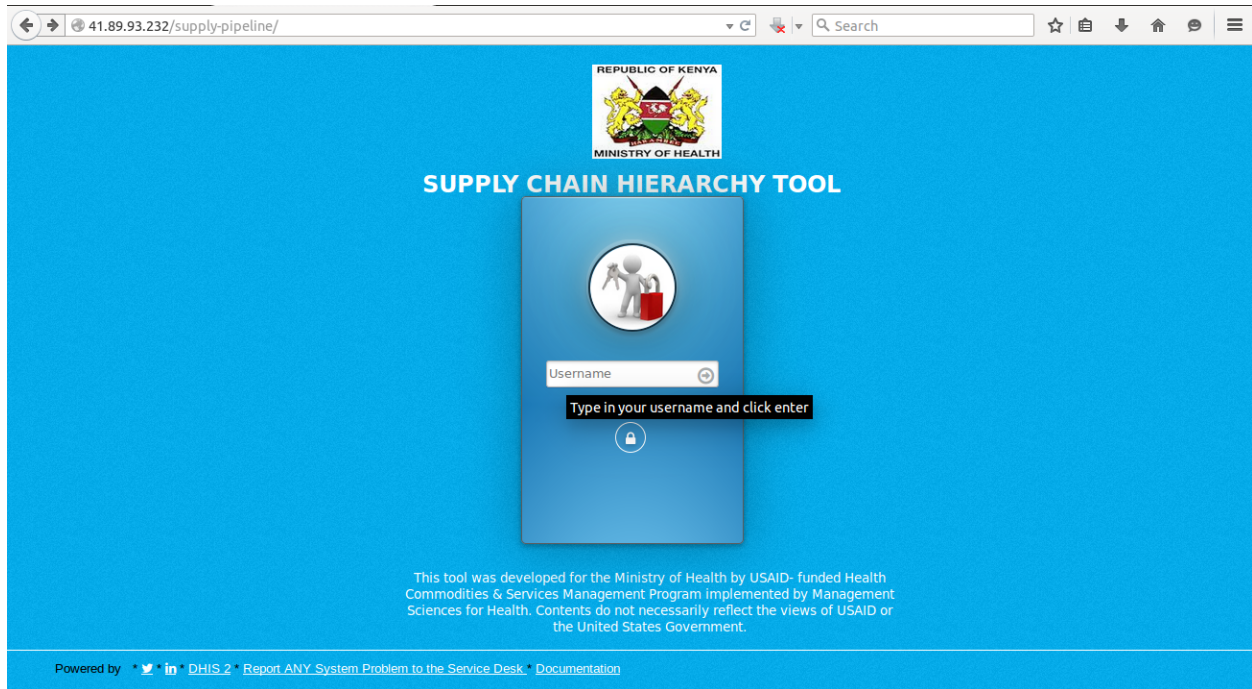
You have to login to [DHIS2](#) first:



The screenshot shows a web browser window with the URL `test.hiskenya.org/dhis-web-commons/security/login.action`. The page has a dark blue background. In the top left corner, there is a Kenyan flag icon and the text "Kenya Health Information System" and "Welcome to the Kenya Health Information System". In the center, the "dhis2" logo is displayed. Below the logo, there is a "Sign in" section with two input fields: "Username" and "Password". A "Sign in" button is located below the password field. Below the button, there is a link for "Forgot password?". At the bottom of the page, there is a footer with the text "Powered by DHIS 2 Report ANY System Problem to the Service Desk" and a "[Change language]" dropdown menu.

Note: Please note that you must have signed up in DHIS2.

Secondly, you must login to the application itself. Here is the login page:



A successful login will lead you to using the application.

Permissions

Login roles

There are various user roles according to the user who is logged in:

1. Users who can read data only i.e generating and viewing reports. They dont have permissions to edit anything in the application.
2. Users who can do both read and write. These users have the permission to generate reports and also post back to DHIS2.
3. The Admin who has all the permissions in the application. These include:
 - Creation and management of programmes.
 - Creation and management of users.
 - Updating of basically everything in the application.

1.4.3 Launching the web application

This application is launched as a stand alone app, because it is not incorporated in DHIS2.

However, it pulls data from DHIS2.

In order to launch the app, you need to type the url

This will direct you to the login page where you can login.

1.4.4 Application layout

Header

The header of the application can be seen on the login page as ‘Supply Pipeline Hierarchy Tool’.

Below the header is a short welcome message “Welcome to the Kenya Health Information Systems” and a Logo.

Side bar

At the leftside bar, there is a list of links.

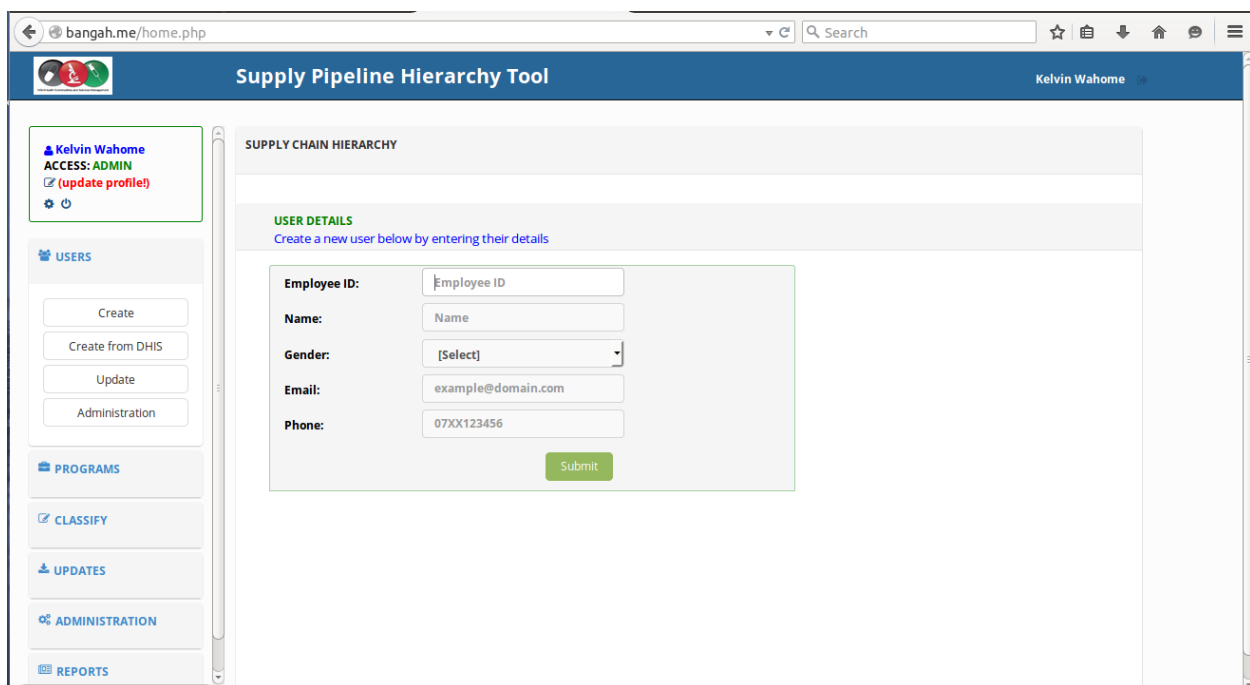
These links appear differently according to the user who is logged in.

The Admin can view:

Users

Here, the admin can create and manage different types of users.

- Go to the users tab at the leftside bar of the app.
- Click on ‘create’ to create a new user. Fill in details in the form that appears on the page and save.



The screenshot shows a web browser window with the URL 'bangah.me/home.php'. The page title is 'Supply Pipeline Hierarchy Tool' and the user is logged in as 'Kelvin Wahome'. The left sidebar contains a 'USERS' section with buttons for 'Create', 'Create from DHIS', 'Update', and 'Administration'. The main content area is titled 'SUPPLY CHAIN HIERARCHY' and contains a 'USER DETAILS' form. The form has the following fields: 'Employee ID' (text input), 'Name' (text input), 'Gender' (dropdown menu), 'Email' (text input with 'example@domain.com'), and 'Phone' (text input with '07XX123456'). A green 'Submit' button is at the bottom of the form.

- You can also add a new user from DHIS2 by clicking on ‘add form DHIS2’ in the dropdown list.
- To edit the roles of a user, click on the ‘edit’ in the dropdown. In the window that appears, click on edit at the each user in order to edit.
- You can also click on the ‘administration’ to deactivate an account or update the details of a user.

LIST OF CREATED USERS

#	User	Gender	Email	phone	Login Name	Role	Account Status	Edit
1	deka abdi	NOT AVAILABLE	dekanasir@yahoo.co.uk	0720452390	dekanasir	READ	ACTIVE	Edit
2	Dennis Banga	MALE	dennisbanga@gmail.com	0712345678	dbanga	READ	ACTIVE	Edit
3	Dennis Kayeli	MALE	kdennoz@gmail.com	0722277332	dkayeli	WRITE	ACTIVE	Edit
4	Dorcas	FEMALE	dorcasmueni00@gmail.com	0712345667	dorcas	READ	ACTIVE	Edit
5	Duncan	MALE	dantosh@gmail.com	0727654536	duncan	WRITE	ACTIVE	Edit
6	Elizabeth Onyango	NOT AVAILABLE	evakiny@yahoo.com	0727065163	evakinyi	READ	ACTIVE	Edit
7	guyo abdi	NOT AVAILABLE	guyoabdi@yahoo.com	+254721708980	sakuye	READ	ACTIVE	Edit
8	Kelvin Wahome	MALE	kevowahome@gmail.com	0710502654	Admin	ADMIN	ACTIVE	Edit

SUPPLY PIPELINE HIERARCHY TOOL Kelvin Wahome

SUPPLY CHAIN HIERARCHY [Read the Documentation](#)

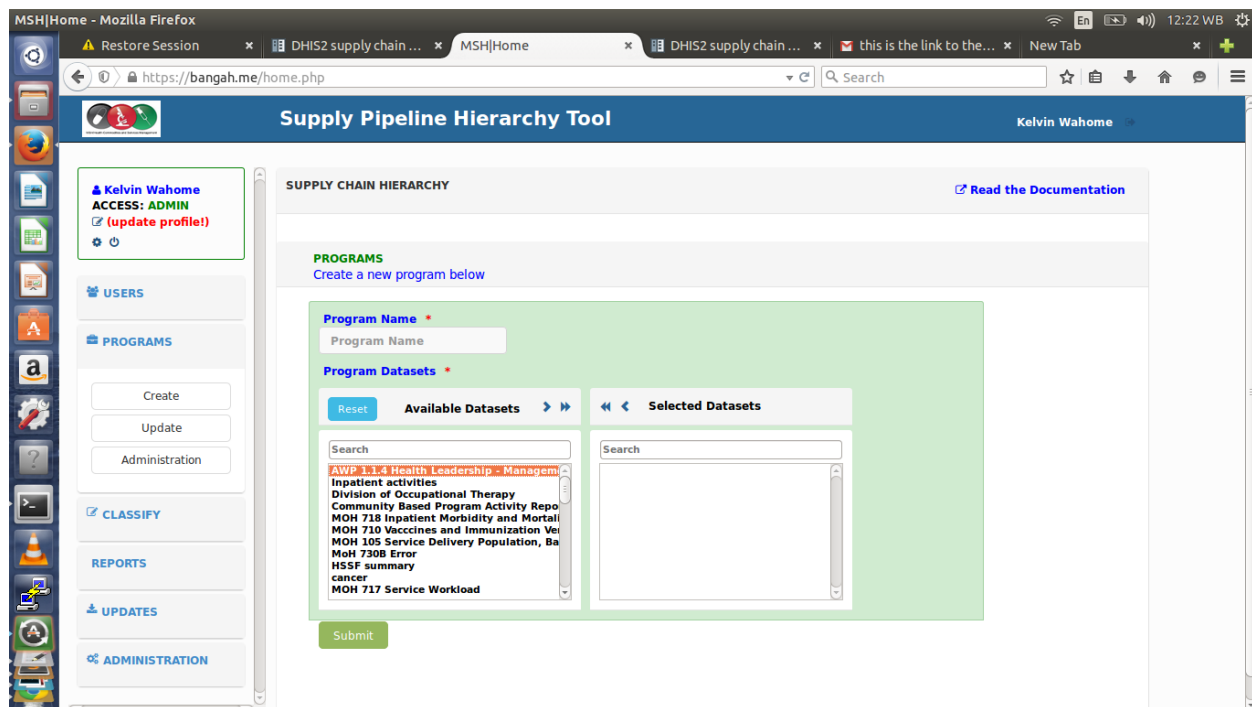
DEACTIVATE USERS

#	User	Gender	Email	phone	Login Name	Role	Account	More Details
1	deka abdi	NOT AVAILABLE	dekanasir@yahoo.co.uk	0720452390	dekanasir	READ	Deactivate	More Details
2	Dennis Banga	MALE	dennisbanga@gmail.com	0712345678	dbanga	READ	Deactivate	More Details
3	Dennis Kayeli	MALE	kdennoz@gmail.com	0722277332	dkayeli	WRITE	Deactivate	More Details
4	Dorcas	FEMALE	dorcasmueni00@gmail.com	0712345667	dorcas	READ	Deactivate	More Details
5	Duncan	MALE	dantosh@gmail.com	0727654536	duncan	WRITE	Deactivate	More Details
6	Elizabeth Onyango	NOT AVAILABLE	evakiny@yahoo.com	0727065163	evakinyi	READ	Deactivate	More Details

Programs

Here, you can create and manage programs.

1. Click on the programs tab on the leftside bar, on the dropdown that appears, click on the 'create' to create a new program.
2. On the window that appears, fill in the details of the program you want to create i.e the program name and the datasets for the program.

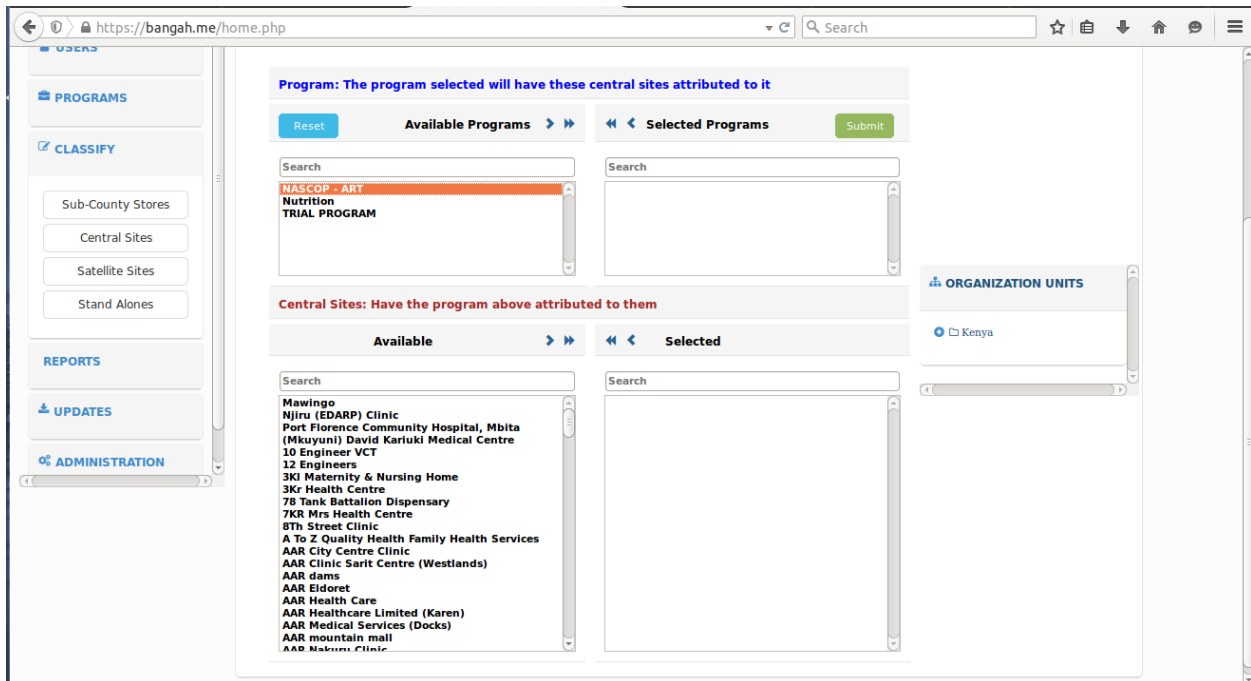
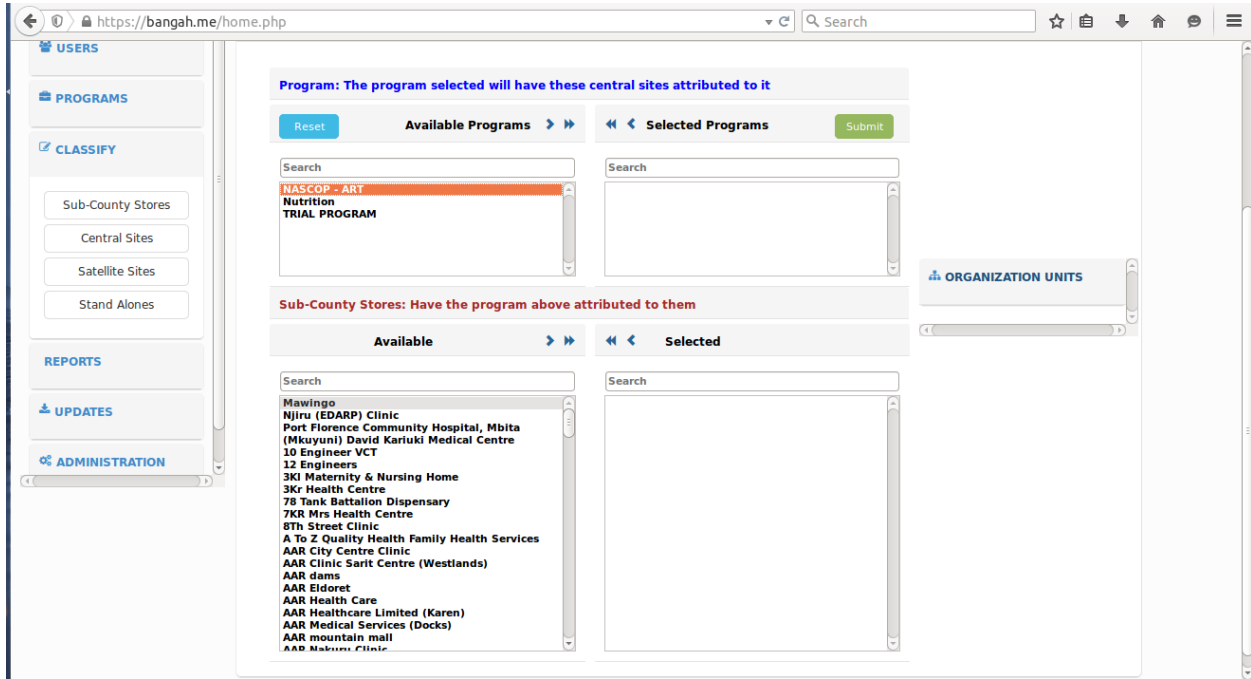


You can also click on the 'edit' in the dropdown to change the details of a program or 'administration' to delete a certain program.

Classify

Here you can classify facilities according to the hierarchy, either as sub-county stores, central stores, satellite sites or stand alone sites.

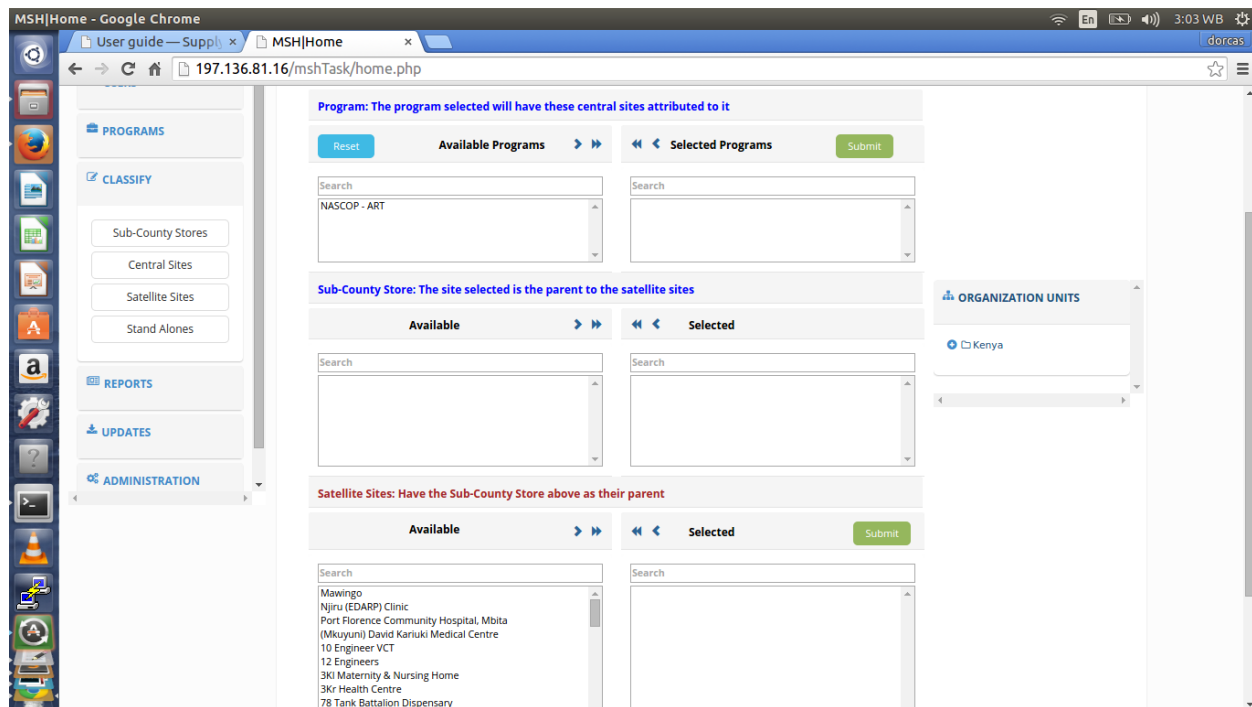
1. Click on the classify tab on the leftside bar, on the dropdown that appears, select either sub-county stores, central sites, satellite sites or stand alones.
2. Once you click 'sub-county stores', a new window will be loaded containing a form where you will;
 - Select the program you want to classify and submit.
 - Select the sub-county stores that the program will be attributed to and submit.
3. When you select the 'central site' from the dropdown;
 - select the program you want to classify and submit.
 - Below that, select the central store you want the program to be attributed to and then submit.
4. When you select the 'satellite site' from the dropdown;



- Here, you can either classify the satellite as a sub-county store satellite or a central site satellite. Just click on any of the links according to the classification you want.

For example, if you select the sub-county store satellite link,

- Select the program you want to classify and click submit.
- Below it, select the sub-county store (the parent to the satellite site) and submit.
- Below that, select the satellite sites that will have the sub-county store selected above as their parent and then submit.



The same procedure applies when you select the central site satellite link.

In the dropdown, when you click on 'Stand Alones', you will just follow the same procedure for classification.

Note: This establishes a hierarchy of the supply chain for report generation.

Updates

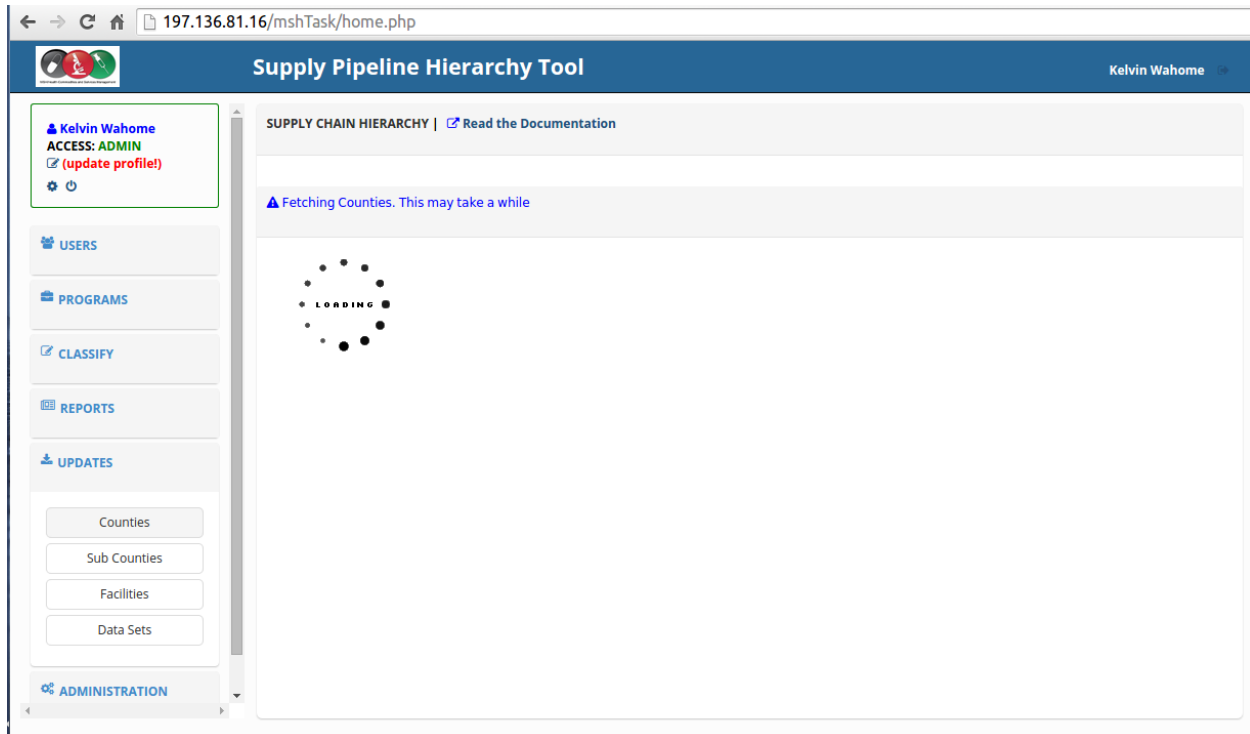
There is need to query DHIS2 for newly updated organization units, facilities and datasets.

1. click on the 'updates' link in the leftside bar of the application.
2. From the dropdown that appears below the link, select either counties, sub-counties, facilities or datasets in order to update them respectively.

Administration

Here, the admin can delete a supply hierarchy from the system.

He/She can also restore deleted data since its not deleted permanently.



Reports

This link is used to query for various reports including program reports, supply hierarchy reports and dataset reports

Here is a screenshot of the application layout as viewed by the admin:

The user with the role 'Read' can only view the reports link on the leftside bar.

Here is the app layout as viewed by the 'Read' user:

The user with the Write access view the Reports link on the leftside bar and can also post back to DHIS2.

Here is the app layout as viewed by the 'Write' user:

1.4.5 Tasks

Assigning a dataset to organization units

This is done in the [DHIS2](#) test site.

1. In [DHIS2](#) apps, select the data sets app.
2. Type the name of the dataset you want to assign at the top and click on the filter button.
3. The dataset will be filtered and displayed on the screen.
Click on it, you will see a drop down appear.
4. Select the first option, (assign to organisation units).
5. Select the org units you want to assign the dataset to and then click on the save button at the bottom of the page.

Supply Chain Hierarchy Tool | Kelvin Wahome | Sign Out

USER GUIDE

Users
Use this Menu for creating users and assigning them roles. Users can be created by entering their details and login credentials or by pulling existing DHIS2 users. Go to **USERS** , click on CREATE button to enter the details for a new user or click on CREATE FROM DHIS button to pull existing users from DHIS2. You can also edit user details and roles by clicking on the UPDATE button. Only Admin level users can activate/deactivate other users.

Programs
Use this menu to create new programs for which you want to map the supply chain hierarchy, e.g. Family Planning, ART, NB: different Programs classify their types of sites differently. Go to **PROGRAMS**, then click on CREATE to create a new program. Click on UPDATE to edit the details of an existing program. Only Admin level users can delete programs.

Classify
This menu allows the user to create facilities by the types relevant to the supply chain hierarchy of a program. 4 types have been catered for: Sub-county stores, Central sites, Standalone sites and Satellite sites (also caters for the Central site Dispensing point). Go to **CLASSIFY** , then click on the relevant type of facility, e.g. Sub-county stores, Central sites, Standalone sites and Satellite sites. Select the relevant program then add facilities under the selected facility type. The list of facilities is synchronised with the master facility list in the DHIS2 . Use the **ORGANIZATION UNITS** hierarchy on the side of the Classify page to narrow down to the required county, sub-county and then facility. Click on the facility name to select it.

Reports
This menu allows the user to access various reports generated using the available data. Go to **DATA SET REPORT** to access the report for a particular program, data set (reporting tool), reporting period and facility. Select the facility by drilling down through the facility type, e.g. if a facility is supplied by, and reports to, a sub-county store, select the relevant sub-county store, then locate the facility name under it. Go to **SITES ANALYTICS** to access list of facilities by program and by type. Go to **ART REPORTS** to access reports limited to ART program, e.g. patient numbers. Go to **PROGRAMS** to access the full list of created programs. Go to **SUPPLY HIERARCHY** to access the supply chain hierarchy/site classification by program.

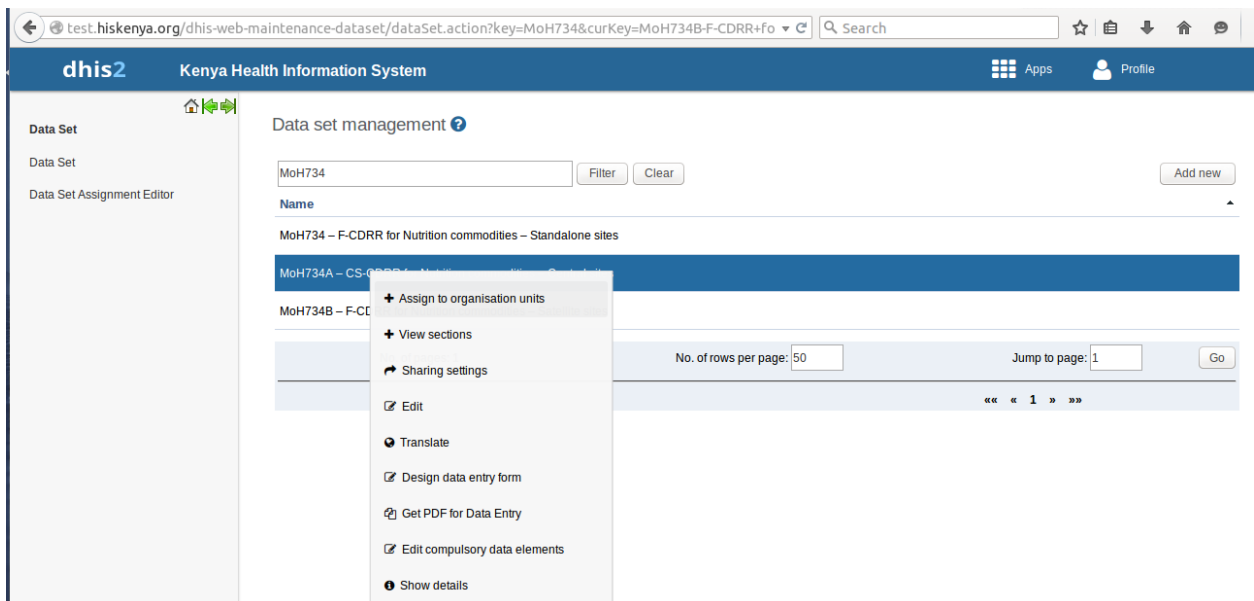
Supply Pipeline Hierarchy Tool | Dennis Banga

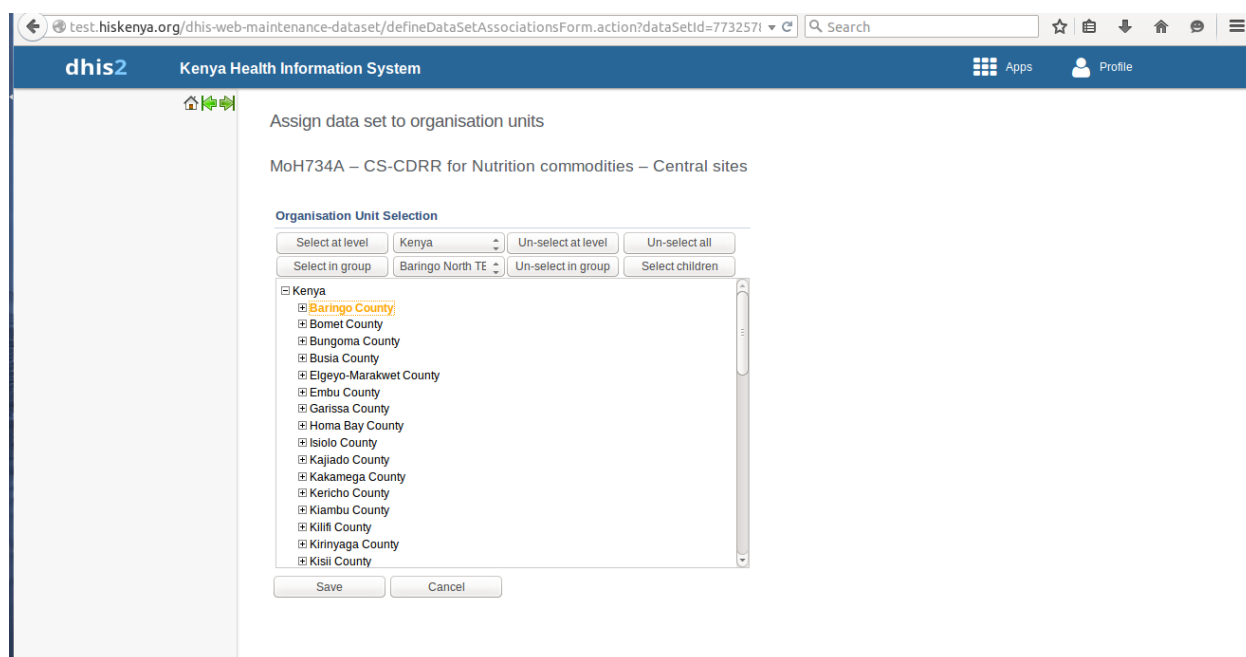
REPORTS

- Programs
- Supply Hierarchy
- Data Set Report

USER GUIDE | Read the User Guide

Reports
This system provides several reports both from its internal database and from DHIS2 . Use **REPORTS** to generate such kind of reports. Programs report shows a breakdown of created programs. Supply hierarchy reports shows the hierarchy classified under each program. Dataset Report queries DHIS2 for specific dataset reports according to the program supply pipeline hierarchy. Follow the prompts.





Note: Please note that you must be logged into [DHIS2](#)

Accessing the data entry form

1. To access the data entry window, click on the apps tab at the top bar. A drop down will appear listing all the apps in DHIS2.
2. Select the Data Entry option.
3. Locate the organisation unit you want to register data for in the tree menu to the left. Expand and close the branches by clicking on the +/- symbols. You can also search for the orgunit at the green symbol above the tree, but you need to type the full name in order to match the orgunit.
4. Select a dataset from the drop down list of datasets which are available for the orgunit which you have selected.
5. Select the period you want to register data for. The available periods are determined by period type of the dataset. You can also jump a year back or forward by clicking the tabs: Prev year and Next year respectively.
6. By now you should be able to see the data entry form.

Entering data for satellite sites

1. Having selected the correct orgunit, dataset and period, Start entering data by clicking inside the first field and type in the value.
Move to the next field by clicking the tab button. You can also move back by clicking shift+tab.
A green field will indicate that the values are saved in the system.
2. If you type in an invalid value, you will get a pop-up that explains the problem and the field will be coloured yellow (not saved) until you have corrected the value.

dhis2 Kenya Health Information System

Data Entry

Organisation Unit: Baringo Central

Data Set: MoH734 - F-CDRR for Nutrition commodities - Standalone sites

Period: June 2015

CONSUMPTION DATA REPORT AND REQUEST (CDRR) FOR HIV NUTRITION COMMODITIES

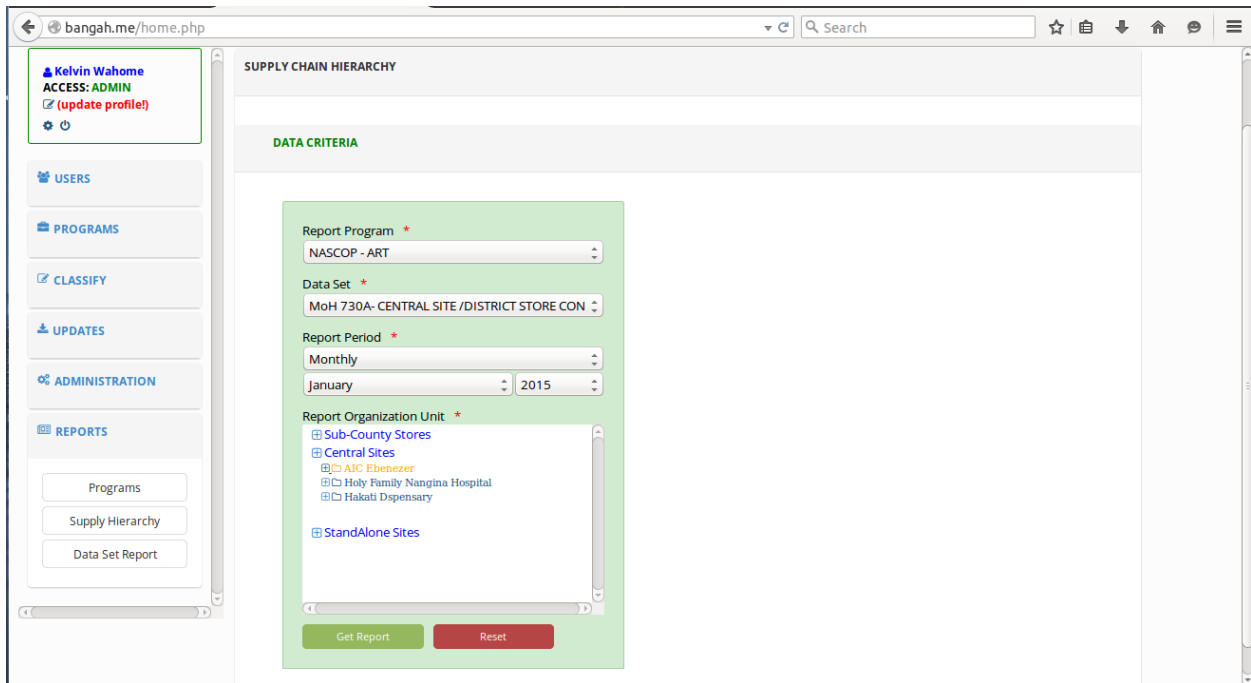
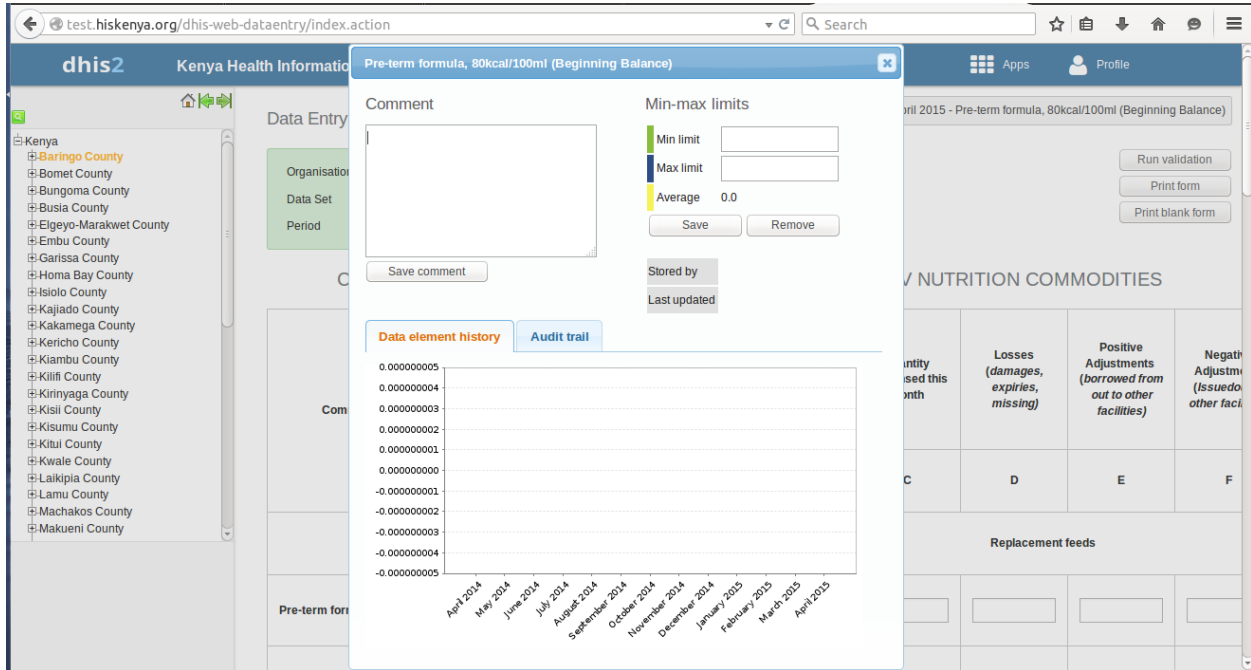
Commodity Name	Unit of Issue	Beginning Balance	Quantity Received this Month	Quantity Dispensed this Month	Losses (damages, expiries, missing)	Positive Adjustments (borrowed from out to other facilities)	Negative Adjustments (Issued to other facilities)
		A	B	C	D	E	F
Replacement feeds							
Pre-term formula, 80kcal/100ml	400g Tin	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

3. If you have defined a min/max range for the field (data element+organisation unit combination) a pop-up message will notify you when the value is out of range, and the value will remain unsaved until you have changed the value.
4. If a field is disabled (grey in color) it means that the field should not be filled. The cursor will automatically jump to the next open field.
5. You can view the data history window by doubleclicking on any input field. This shows you the last 12 values entered for the input field in a bar chart.

This window also shows the min and max range and allows for adjusting the range for the specific organisation unit and data element combination.

Collection of aggregated data for the satellite sites

1. In the app (Supply Pipeline Hierarchy Tool), on the leftside bar, click on the Reports tab. You will see a dropdown appear below the tab.
2. Click on the Datasets report, this will direct you to another page where you will have to select;
 - Type of program you want to get the report for.
 - The name of the dataset.
 - The reporting period for the report. If monthly, select the month for reporting.
 - The reporting orgunit.
3. Click on the Get report button at the bottom of the form.
4. This will get the aggregated data for the satellite sites which are under the central site you selected earlier.



Data from the Satellite sites plus Central site dispensing point(s)			Central site store / District or Sub-county
End of Month Physical Count	Reported Aggregated Quantity CONSUMED in the reporting period	Reported Aggregated Physical Stock on Hand at end of reporting period	Drugs with less than 6 months to expiry site / District store)
In Packs	In Packs	In Packs	Quantity
	287	10199	40
	288	251	5

Update of central site data

1. Once the data has been aggregated in the report, you can update by posting it back to DHIS2.
2. This can be done by clicking on the post data button at the top of the form.

Sites Analytics

This functionality is basically for displaying the list of facilities by program and by type.

1. In order to access this functionality;
2. Go to the Reports link on the leftside bar of the application and click on it.
3. In the dropdown that appears, select the Sites Analytics option. A new window will be loaded.
4. In the form that appears on the page, select the program that you want to get the report on. For example, NASCOP- ART.
5. Select the type of report you want to get, for example, list of ordering points, distribution of ordering points by county, list of service points.
6. Select the Report Organization Unit to report on.
7. click on the get report button at the bottom of the form.

This will load for you the report which you want according to the details you entered in the form.

Getting ART Reports

This functionality is for getting all types of reports that are limited to ART program in DHIS2.

In order to access this;

1. Go to Reports link on the leftside bar of the application and click on it.

The screenshot shows the 'Supply Pipeline Hierarchy Tool' interface. The user is logged in as Kelvin Wahome with ADMIN access. The main content area is titled 'SUPPLY CHAIN HIERARCHY' and 'DATA CRITERIA'. It displays a report for the 'Ministry Of Health' with the title 'MoH 730A- CENTRAL SITE /DISTRICT STORE CONSUMPTION DATA REPORT AND REQUEST'. The report parameters are: Facility Name: AIC Ebenezer, Master Facility Code: 17582, and Period of Reporting: January-2015. A 'Post Data' button is visible. Below the report title, it says 'Loading Complete'. A table is partially visible with the following columns: Drug Name, Unit Pack Size, Beginning Balance, Quantity Received this period, and Total Quantity ISSUED to ARV dispensing sites this period. The table rows show 'In Packs' for the Balance and Received columns.

Drug Name	Unit Pack Size	Beginning Balance	Quantity Received this period	Total Quantity ISSUED to ARV dispensing sites this period (Satellite sites plus Central site dispensing point(s))
		In Packs	In Packs	In Packs

The screenshot shows the 'Supply Chain Hierarchy Tool' interface. The user is logged in as Kelvin Wahome with ADMIN access. The main content area is titled 'SUPPLY CHAIN HIERARCHY' and 'SITES ANALYTICS (Generate ordering points or service points analysis)'. There is a link to 'Read the User Guide'. A form is displayed with the following fields: 'Report Program' (dropdown menu with 'NAS COP - ART' selected), 'Report' (dropdown menu with 'List of Ordering Points' selected), and 'Report Organization Unit' (tree view showing a hierarchy starting with Kenya, then Baringo County, Bomet County, Bungoma County, Busia County, Elgeyo-Marakwet County, and Embu County). At the bottom of the form are 'Get Report' and 'Reset' buttons.

The screenshot shows the 'Supply Chain Hierarchy Tool' interface. On the left is a navigation sidebar with sections for 'USERS', 'PROGRAMS', 'CLASSIFY', 'REPORTS', and 'UPDATES'. The 'REPORTS' section is expanded, showing options like 'Data Set Report', 'Sites Analytics', 'ART Reports', 'Programs', and 'Supply Hierarchy'. The main content area displays a report titled 'List of Ordering Points' with the following details:

- Program: NASCOP - ART
- Pipeline: KEMSA
- Report: List of Ordering Points
- Level: Baringo County
- Date Generated: Sat Aug 01 2015 15:48:31 GMT+0300 (EAT)

Below these details is a table with the following data:

#	MFL Code	Name of Facility	Ordering Point Type	County	Sub County
1	14193	Aiyabo Dispensary	Sub-County Store	Baringo County	Baringo North
2	17582	AIC Ebenezer	Central Site	Baringo County	Baringo Central
3	17352	Barnet Memorial Hospital	StandAlone	Baringo County	Baringo Central

2. In the dropdown that appears, select ART Reports.
3. A new window will be loaded, fill in the details in the form that appears.
4. In the form, Select the type of report that you want to get.
5. Select the period for reporting(monthly) and then select the organization unit.
6. Then click on the Get report button at the bottom.

This will load for you the report according to the details which you entered in the form.

1.4.6 Other procedures

Get reports

Apart from generating aggregated data for satellite sites (dataset reports),one can also get reports on programs and supply chain hierarchy.

Generating a supply hierarchy report

1. From the leftside bar of the application, click on the reports link.
2. From the dropdown that appears below it, select Supply Hierarchy.
3. A window will loaded displaying a program and the various site classifications.

Generating a program report

1. From the leftside bar of the application, click on the reports link.
2. From the dropdown that appears below it, select 'Program'.

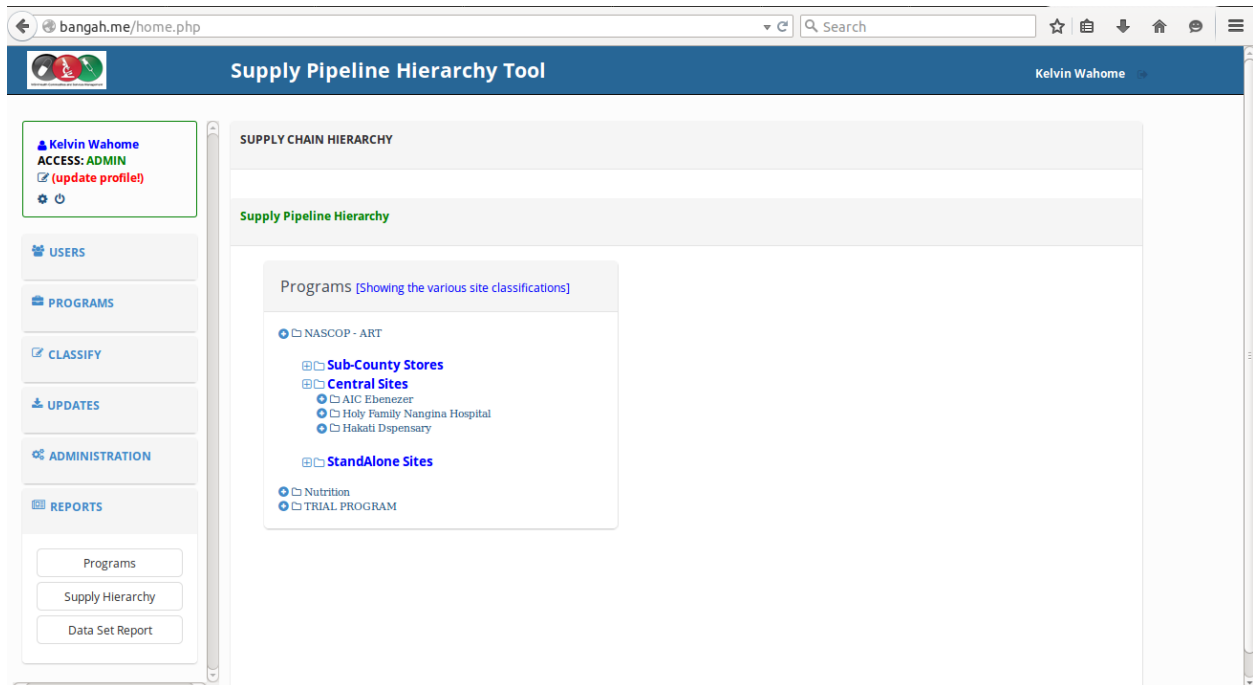
The screenshot shows the 'Supply Chain Hierarchy Tool' interface. The user is Kelvin Wahome with ADMIN access. The main content area is titled 'NASCOP - ART ANALYTICS (Generate ART reports)'. A form is displayed with the following fields:

- Report ***: Patients By Ordering Points
- Report Period ***: Monthly
- Year**: 2015
- Report Organization Unit ***: A tree view showing Kenya > Baringo County selected.

Buttons for 'Get Report' and 'Reset' are visible at the bottom of the form.

The screenshot shows the 'Supply Chain Hierarchy Tool' interface displaying the 'List of ART Patients By Ordering Points' report. The report is for the Ministry of Health, Level: COUNTY - BARINGO COUNTY, and Period: January-2015. An 'Export' button is present in the top right corner.

#	MFL Code	Name of Ordering Points	Adult ART	Adult PEP	Adult PMTCT	Paed ART	Paed PEP	Paed PMTCT
1	14193	Aiyebo Dispensary	0	0	0	0	0	0
2	17582	AIC Ebenezer	4200	2236	3440	7501	880	1920
Grand Total			4200	2236	3440	7501	880	1920
Grand Total			4200	2236	3440	7501	880	1920



3. A window will be loaded showing programs and the different types of sites which the program is assigned to (sub-county stores, central sites, satellite sites, and stand alone sites).

You will also be able to see the various datasets that are assigned to a certain program(s).

1.4.7 Trouble shooting

Restore of deleted data

One can restore deleted data by:

1. Click on the administration link on the leftside bar of the app.
2. A dropdown will appear, click on the first option i.e Supply Hierarchy in order to delete a supply hierarchy.
3. Click on the second option in order to restore deleted data.

A window will be loaded showing all the deleted data.

1. If you want to retrieve the data, click on the restore button at the end of the specific row.
2. If you want to delete permanently, click on the 'delete permanently' button at the end of the row.

The screenshot shows the 'Supply Pipeline Hierarchy Tool' interface. On the left is a sidebar with navigation options: USERS, PROGRAMS, CLASSIFY, UPDATES, ADMINISTRATION, and REPORTS. Below these are buttons for 'Programs', 'Supply Hierarchy', and 'Data Set Report'. The main content area is titled 'SUPPLY CHAIN HIERARCHY' and contains a section 'LIST OF CREATED PROGRAMS' with the following table:

#	Program	# Sub-County Stores	# Central Sites	# Satellite Sites	# StandAlone Sites	# Datasets
1	NASCOP - ART	3	3	6	0	7
2	Nutrition	0	2	8	0	3
3	TRIAL PROGRAM	2	1	2	3	4

The screenshot shows the 'Supply Pipeline Hierarchy Tool' interface with the 'DELETED DATA' section. The sidebar is similar to the previous screenshot but includes a 'Deleted Data' button. The main content area is titled 'SUPPLY CHAIN HIERARCHY | Read the Documentation' and contains the following table:

#	NO Deleted	Data Deleted	What was Deleted	Date Deleted	Deleted By	Recover	Delete Permanently
1	5	program:2	DEFAULT program	Tuesday 2015-07-14 06:19:02pm	Kelvin Wahome		
2	1	All StandAlone Sites program:1	All StandAlone Sites in the NASCOP - ART program	Wednesday 2015-07-15 02:50:34pm	Kelvin Wahome		
3	1	StandAlone:ZkbTg8ryBSo	StandAlone:Chesongo Dispensary	Wednesday 2015-07-15 02:51:25pm	Kelvin Wahome		
4	1	StandAlone:ZkbTg8ryBSo	StandAlone:Chesongo Dispensary	Wednesday 2015-07-15 03:02:09pm	Kelvin Wahome		
5	1	All StandAlone Sites program:1	All StandAlone Sites in the NASCOP - ART program	Wednesday 2015-07-15 03:07:52pm	Kelvin Wahome		