JPRP System

Release 0.1

UoN-Afya Team

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CHAPTER 1

List of Abbreviations and Terminologies

1.1 Abbreviations

- **AIDS**-Acquired Immune Deficiency Syndrome.
- **DHIS2** - District Health Information System Version 2.
- **HIV** - Human Immunodeficiency Virus.
- **IPs** - Implementing Partners.
- **IPSL** - Implementing Partners Support List.
- **JPRP** - Joint Partner Reporting Portal.
- **KePMS** - Kenya HIV/AIDS Program Monitoring System.
- **MoH** - Ministry of Health.
- **PEPFAR**-President's Emergency Plan for AIDS Relief.
- **PHES**-Partner Health Environmental System.

1.2 Terminologies

- **Implementing partner**-An organization working on behalf of an agency to perform services.
- **Funding agency**-An agency providing support to partners.

CHAPTER 2

Introduction

2.1 Background.

The *JPRP* portal is an open source solution customized to support the *PEPFAR* system on similar partner reporting system based on the DHIS2 platform which is currently being used for health reporting in Kenya and over 32 countries worldwide

This portal replaces the KePMS reporting system for *MoH 731* and *MoH 711* forms which has been previously used for PEPFAR reporting by the implementing partners. The portal fetches data using API to API technology from the national DHIS2 government reporting system. Thus amassing partner efforts in ensuring accurate data in the national dhis2 system. JPRP portal will also lessen the burden of the data entry clerks of duplicate data entry for MoH 731 and MoH 711 tools to both national DHIS2 and KePMS. Data is attributed to IPs and Funding agencies on import so and this facilitates partner and funding for the packing for *PEPFAR*.

2.2 Why JPRP?

JPRP portal comes with the following benefits:

1.To avoid double data entry to KePMS and the National DHIS2 by fetching the entered National DHIS2 via the API.

2.To perform attribution on the unattributed fetched DHIS2 data basing on Partner data element ownership for program level data consumption in decision making.

3.To enhance the National DHIS2 data by pulling efforts of all implementing partners in making sure that the data entered into the national DHIS2 is accurate.

4.The JPRP portal is streamlines health data where all partners can access up to date data from the same database instance unlike the previous scenario where each partner was running their own KePMS instances.

5.The portal provides aggregated data for programs per sites implementing partners ,agencies and donor levels.

6.The portal provides a cumulative data element functionality currently not being provided by the DHIS2 platform on which it is based on.

CHAPTER 3

System

3.1 System Access

To access the application the user has to login to PHES. Copy the link PHES into the browser URL and click go; the following log in screen appears where the user feeds in their provided username and password. The landing page of the application is the Dashboard.

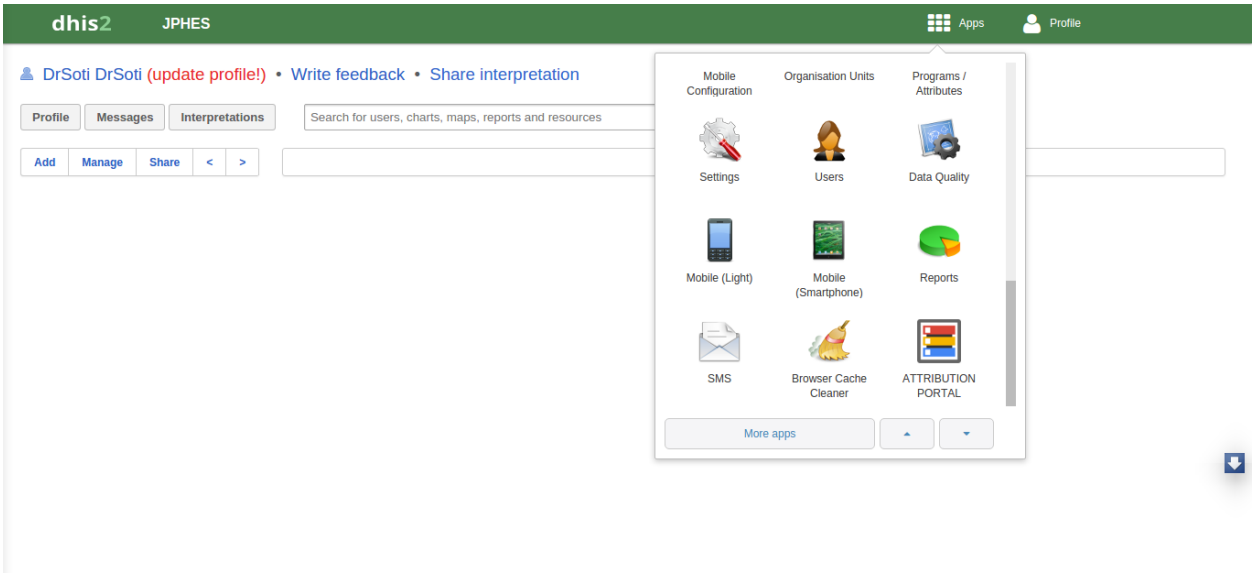


Fig 1.- PHES Login Page

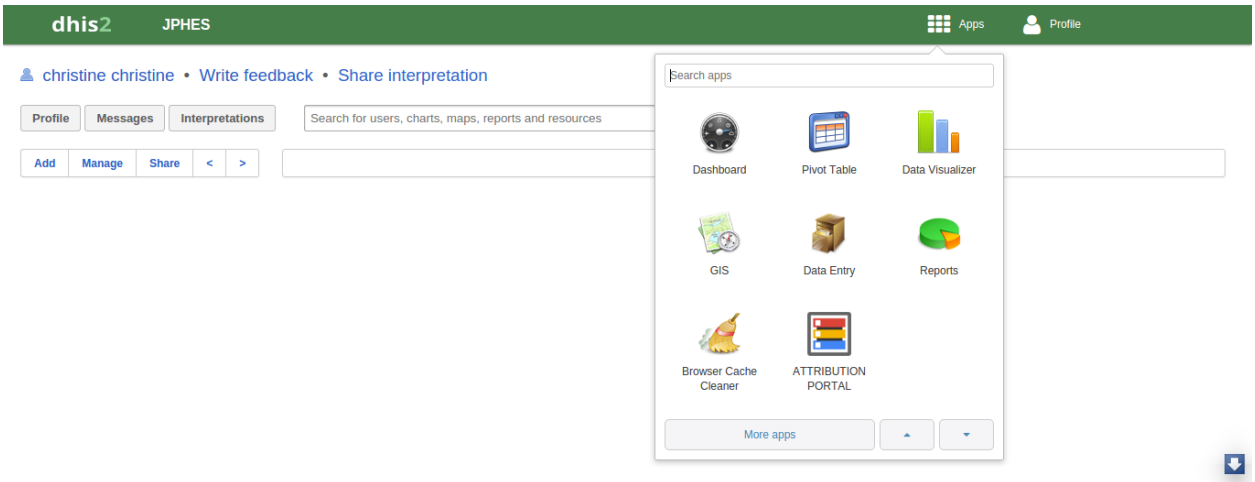
3.1.1 Accessing the JPRP attribution portal app

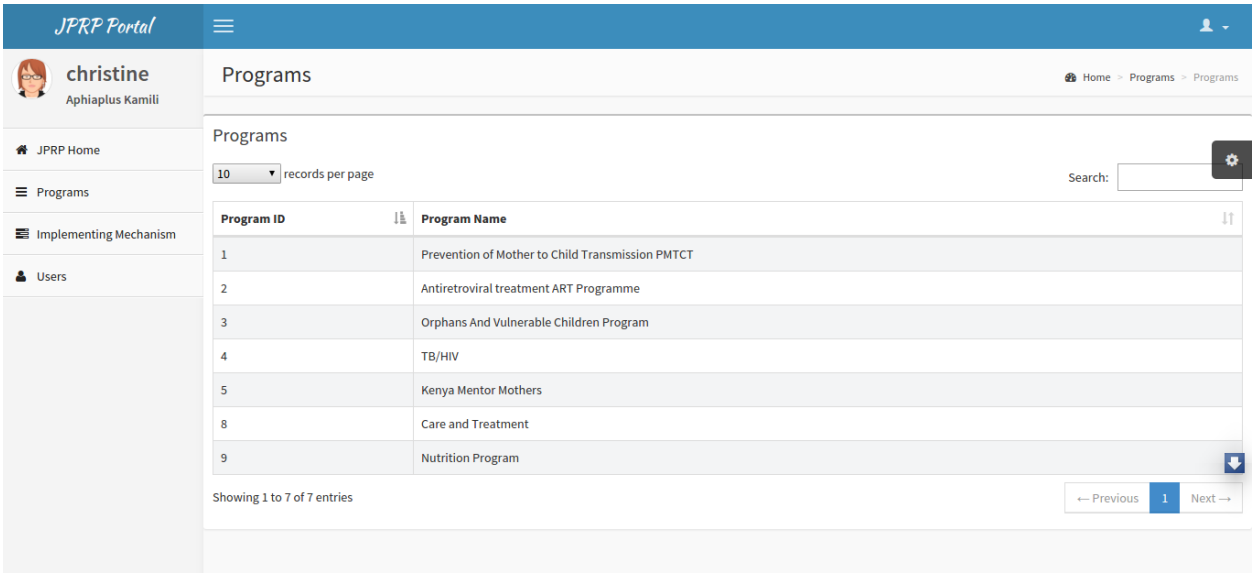
Once logged into PHES, Click in the APPs Icon and select the attribution portal App. This depends on the PHES role allocated to the user .The attribution App uses the PHES login credentials and allocated privileges.

Fig 1.- JPRP Attribution App

Fig 1.- JPRP Landing page

Note: One cannot access the JPRP-APP without logging in to the PHES


dhis2
JPHES
Apps
Profile
christine christine • Write feedback • Share interpretation
Profile
Messages
Interpretations
Search for users, charts, maps, reports and resources
Add
Manage
Share
Search apps
Dashboard
Pivot Table
Data Visualizer
GIS
Data Entry
Reports
Browser Cache Cleaner
ATTRIBUTION PORTAL
More apps


JPRP Portal
christine
Aphiaplus Kamili
JPRP Home
Programs
Implementing Mechanism
Users
Programs
Home > Programs > Programs
Programs
10 records per page
Search:
Program ID
Program Name
1 Prevention of Mother to Child Transmission PMTCT
2 Antiretroviral treatment ART Programme
3 Orphans And Vulnerable Children Program
4 TB/HIV
5 Kenya Mentor Mothers
8 Care and Treatment
9 Nutrition Program
Showing 1 to 7 of 7 entries
← Previous
1
Next →

3.1.2 Logout- JPRP

To logout, click on either JPRP Home tab or on the sign out button in the profile icon.

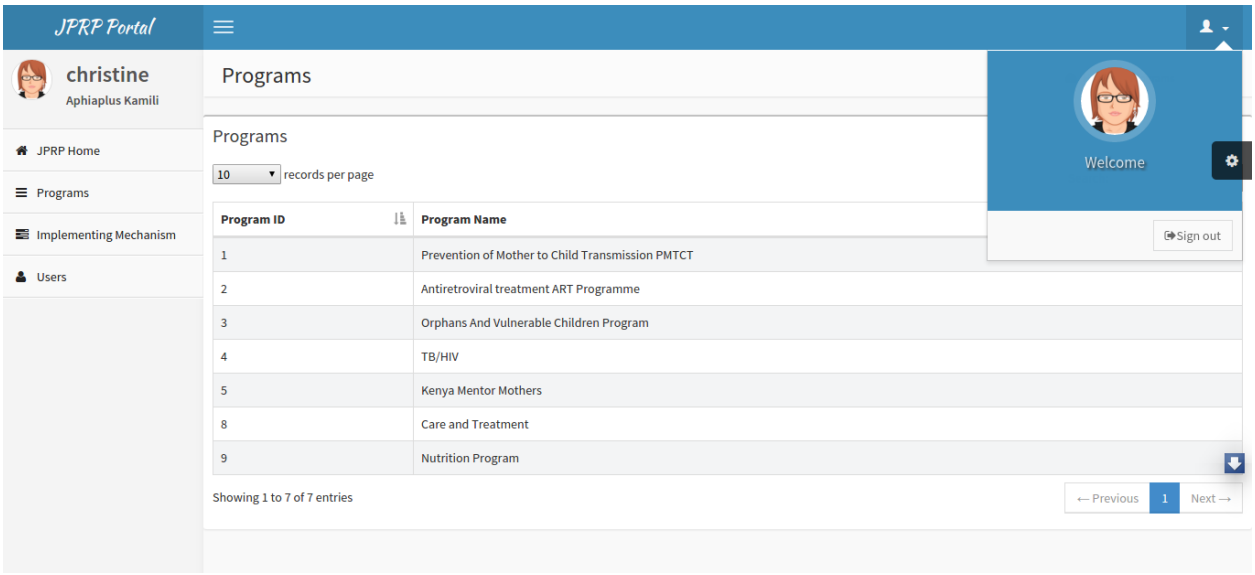


Fig 1.- Logging Out of JPRP

3.2 Main Functions

3.2.1 What the user can do on the attribution portal app

- Create/delete/update/view programs.
- Create/update/view Support programs.
- Create/update/view support agencies.
- Create/update/view users within a certain level e.g mechanism, agency or donor levels.
- Create/update/view jprp user roles within a certain level.
- Import the Partner IPSL.
- Pull Data from the National DHIS2.
- Perform data sharing/attribution.

3.2.2 What the user cannot do using the attribution portal App

- Reports (standard reports), Data Visuals, data entry and pivot tables analysis – done in PHES.

3.3 JPRP Hierarchy

3.3.1 MOH(Ministry of Health)-Top Level

- Create, Update and Remove Programs.
- Create, Update and Remove Development Partners e.g PEPFAR.
- Assign Programs to a Development Partner.
- View a list of the development partners.
- View details of each development partner such as the programs assigned and the agencies supported by the development partner.In addition, can drill down to the lowest level(mechansim).
- Attributes the data either by mechanism, IPSL or mechanism.
- Create, View and Update JPRP user roles based on authorities at this level.
- Create a default Development partner Admin.
- Create, view and update users for this specific level.

3.3.2 Development Partner Level

- Create, Update and Remove agencies.
- View a list of the agencies.
- View details of each agency: the programs assigned to the agency and the Implementing mechanisms the agency is supporting.
- Create, View and Update JPRP user roles based on authorities at this level.
- Create a default Agency Admin.
- Create, view and update users for this specific level.

3.3.3 Agency Level

- Create, Update and Remove Implementing Mechanism.
- Assign programs to an Implementing mechanism.
- View the list of the Implementing mechanisms.
- View details of each IM: the programs supported and the facilities under the Implementing Mechanism.
- Create, View and Update JPRP user roles based on authorities at this level.
- Create a default Implementing Mechanism Admin.
- Create, view and update users for this specific level.

3.3.4 Implementing Mechanism Level

- View a list of all facilities supported by the Implementing mechanism.
- View a list of the programs supported by the IM.
- Create, View and Update JPRP user roles based on authorities at this level.

- Create a default Implementing Mechanism Admin.
- Create, view and update users for this specific level.

CHAPTER 4

Hierarchy

4.1 MoH Level

Create, update, and view development partners using the Donor Manager tab on the left menu.

4.1.1 List of Development Partners

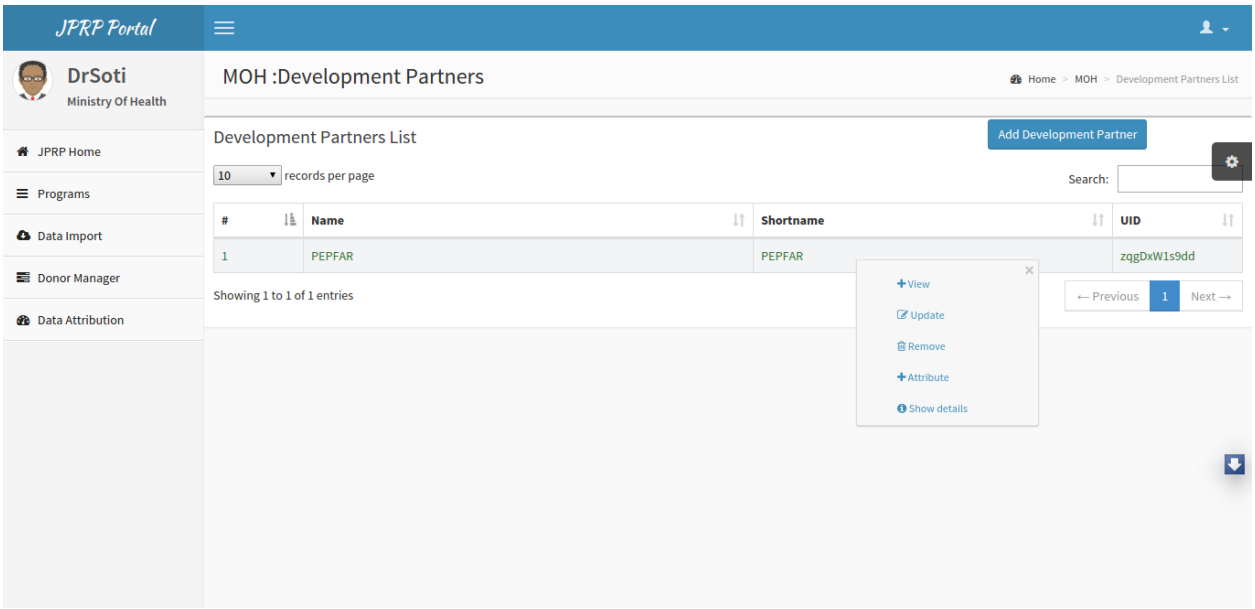
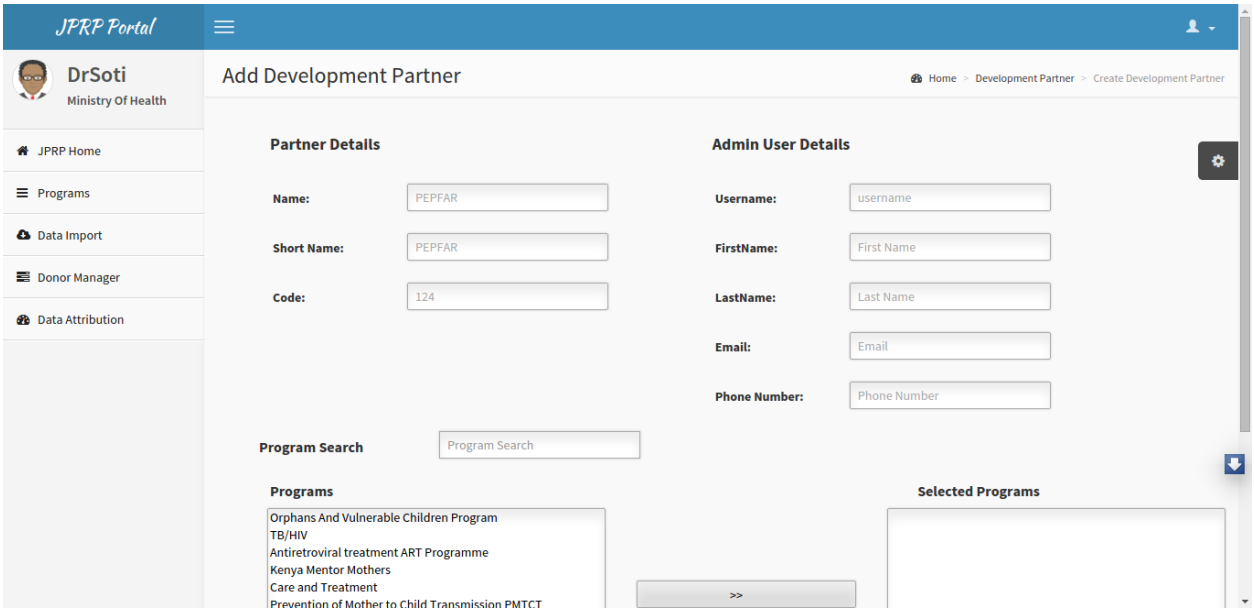


Fig -list of development partners.

Note: To display the pop-out menu(with options e.g update and view) click on a specific development partner in the list.

4.1.2 Add Development Partner

Fig -Adding a development partner.



Note: Must provide programs supported by the donor and credentials of the administrator -(donor organization).

4.1.3 Update Development Partner

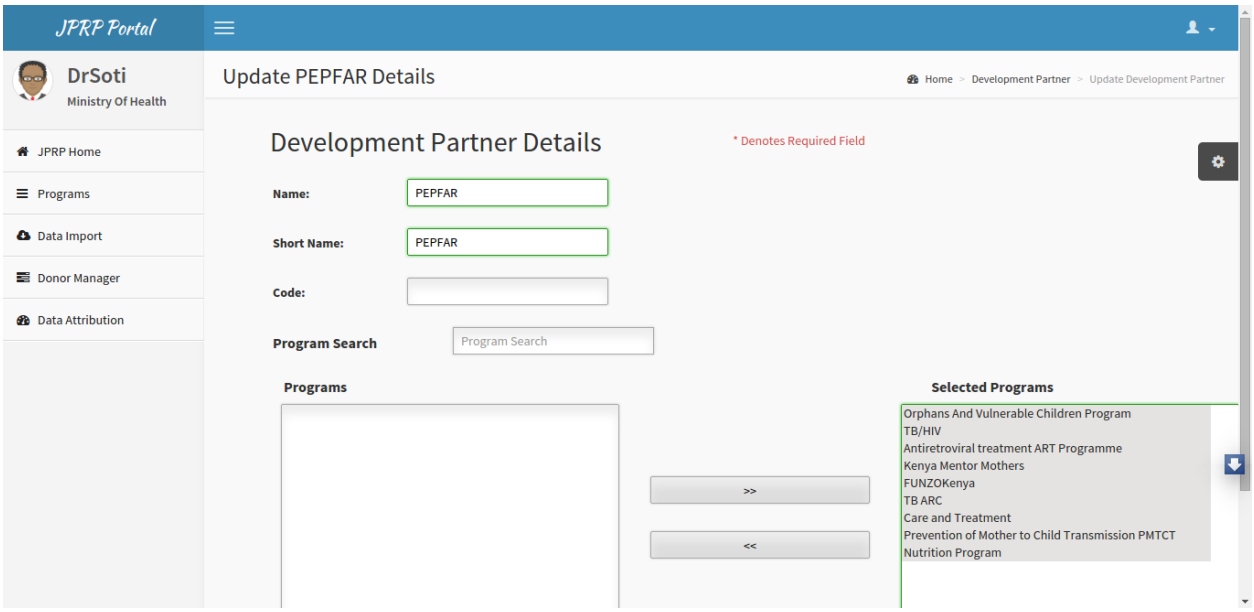


Fig -Updating a development partner.

4.1.4 Development Partner Details

Can view programs allocated to the donor and its agencies.

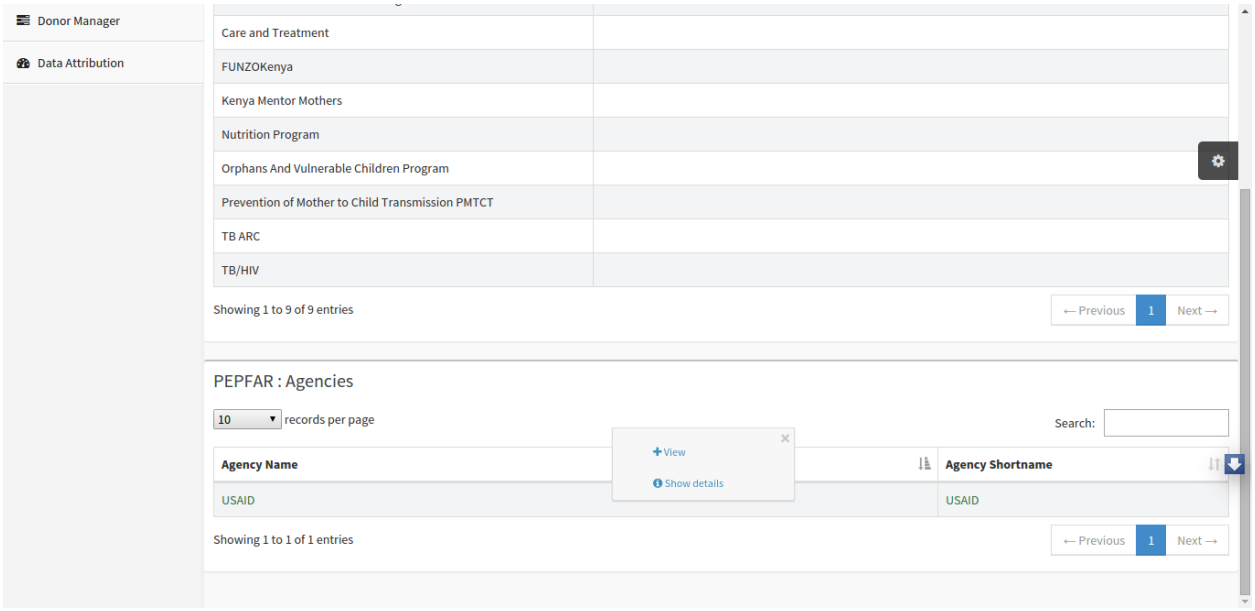


Fig -Viewing development partner details.

Note: User can drill down the hierarchy.

4.2 Development Partner Level

Create, update, and view agencies using the Agency Manager tab on the left menu.

4.2.1 List of Agencies

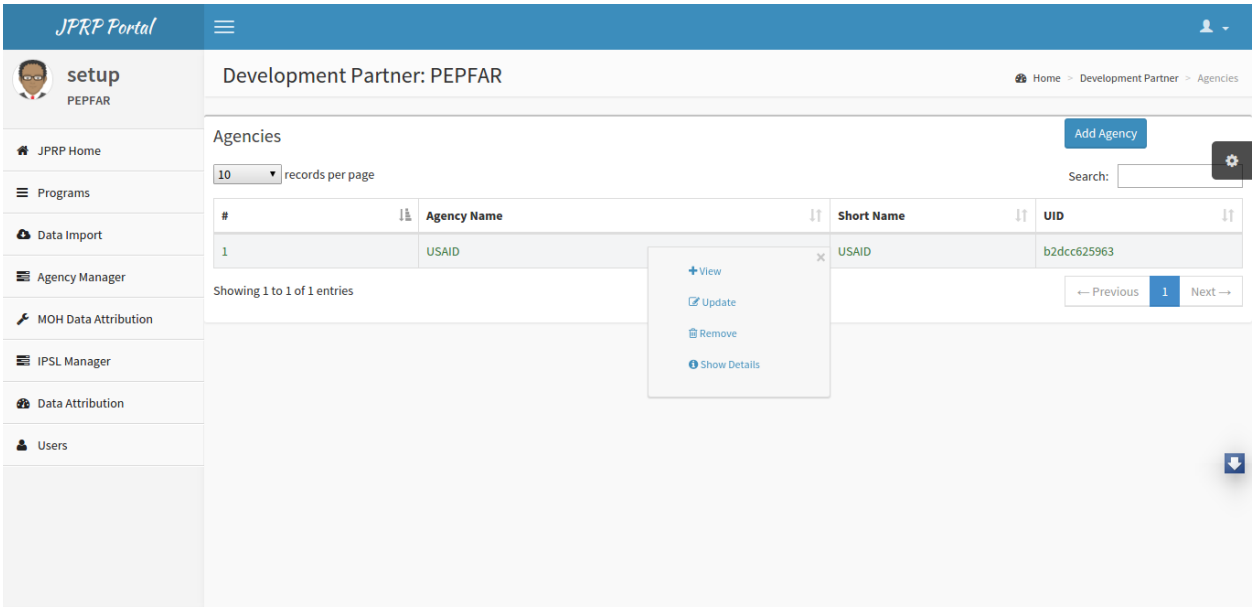


Fig -list of agencies.

Note: To display the pop-out menu(with options e.g update and view) click on a specific agency in the list.

4.2.2 Add Agency

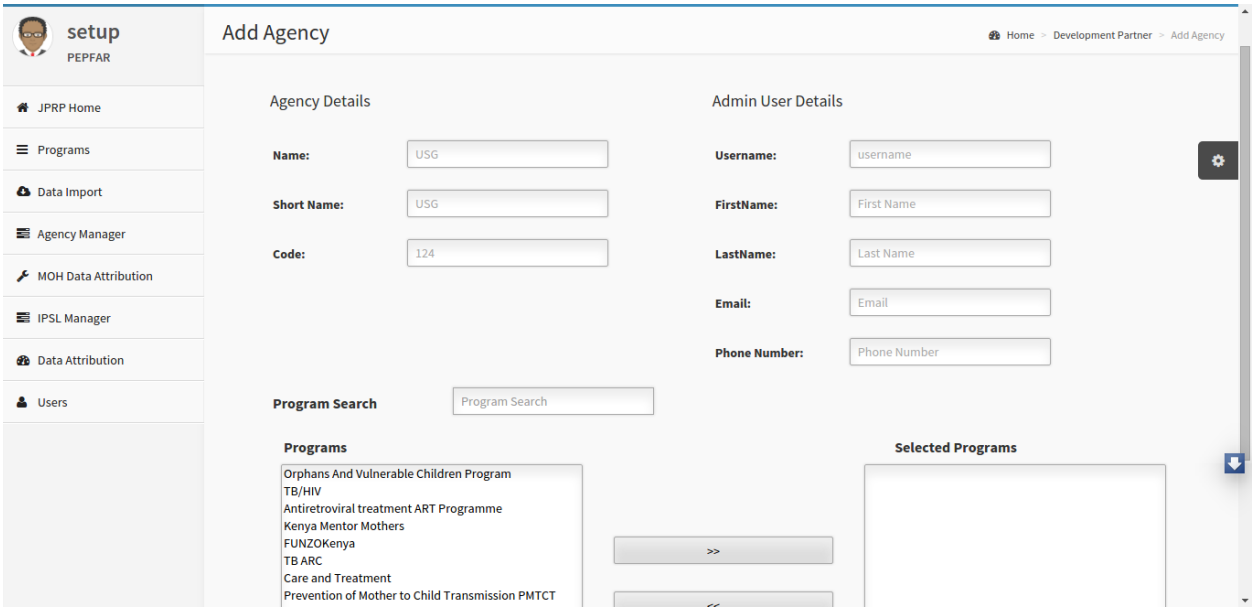


Fig -Adding an agency

Note: Must provide programs supported by the agency and credentials of the administrator -(agency organization).

4.2.3 Update Agency

Fig -Updating an agency.

4.2.4 Agency Details

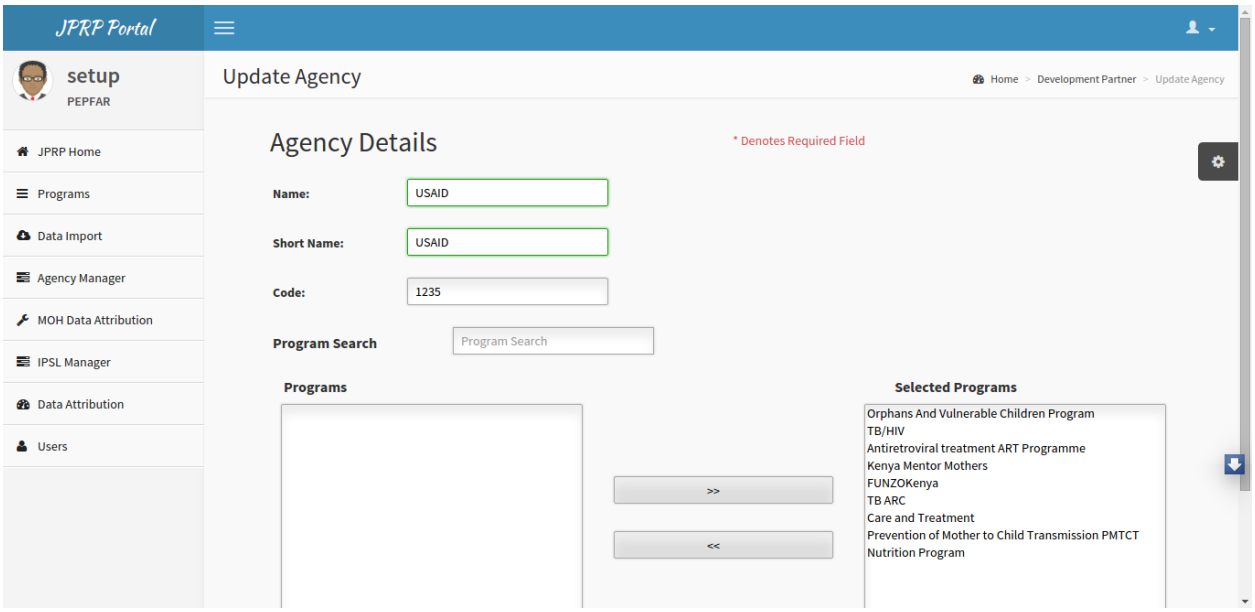
Can view programs allocated to the agency and its implementing mechanisms.

Fig -Viewing agency detials.

Note: User can drill down the hierarchy.

4.3 Agency Level

Create, update, and view mechanisms using the Mechanism Manager tab on the left menu.


JPRP Portal
setup
PEPFAR
JPRP Home
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Agency Manager
MOH Data Attribution
IPSL Manager
Data Attribution
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Update Agency
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Short Name:
USAID
Code:
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Program Search
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Selected Programs
Orphans And Vulnerable Children Program
TB/HIV
Antiretroviral treatment ART Programme
Kenya Mentor Mothers
FUNZOKenya
TB ARC
Care and Treatment
Prevention of Mother to Child Transmission PMTCT
Nutrition Program
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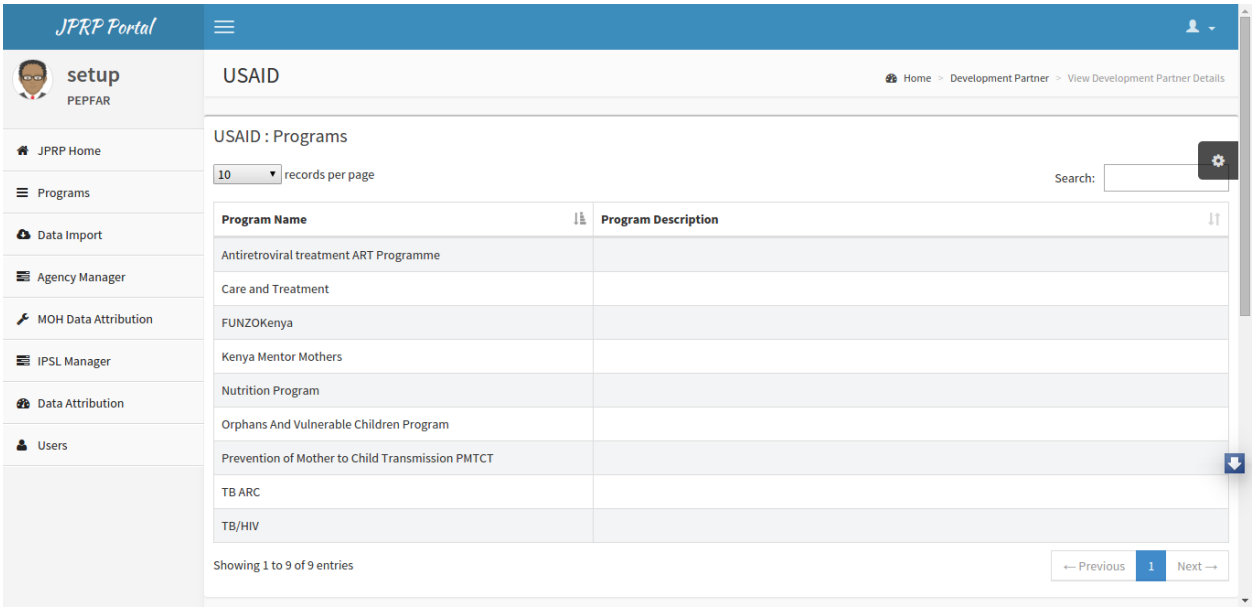
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Programs
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Agency Manager
MOH Data Attribution
IPSL Manager
Data Attribution
Users
USAID
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USAID : Programs
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Program Name
Program Description
Antiretroviral treatment ART Programme
Care and Treatment
FUNZOKenya
Kenya Mentor Mothers
Nutrition Program
Orphans And Vulnerable Children Program
Prevention of Mother to Child Transmission PMTCT
TB ARC
TB/HIV
Showing 1 to 9 of 9 entries
← Previous
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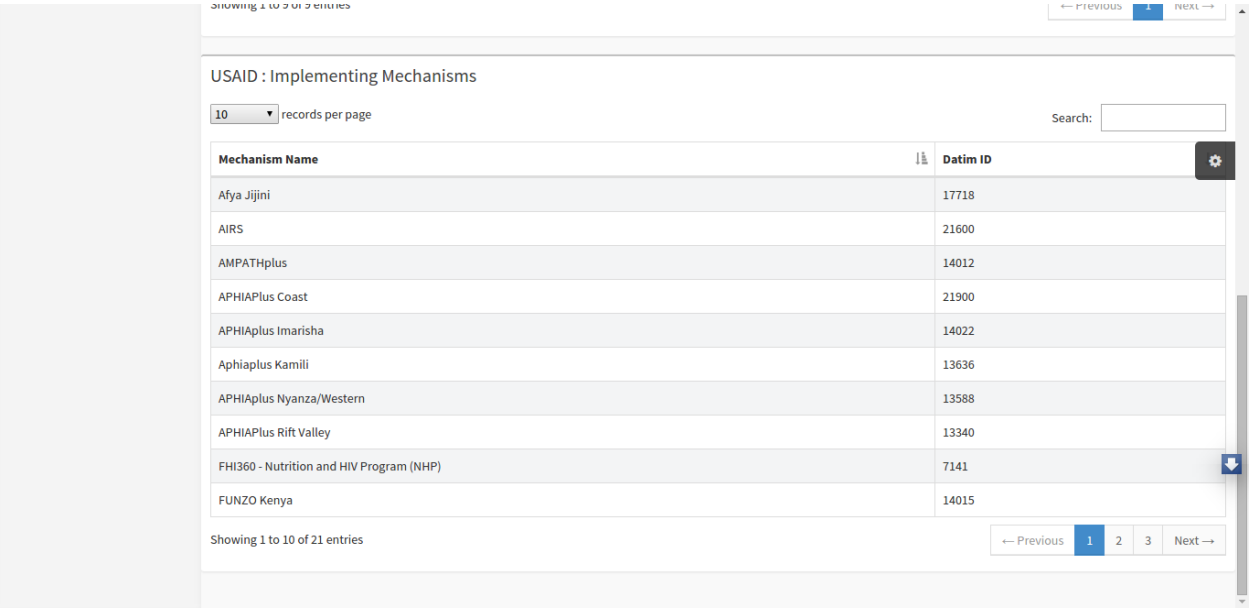
Next →



4.3.1 List of Mechanisms

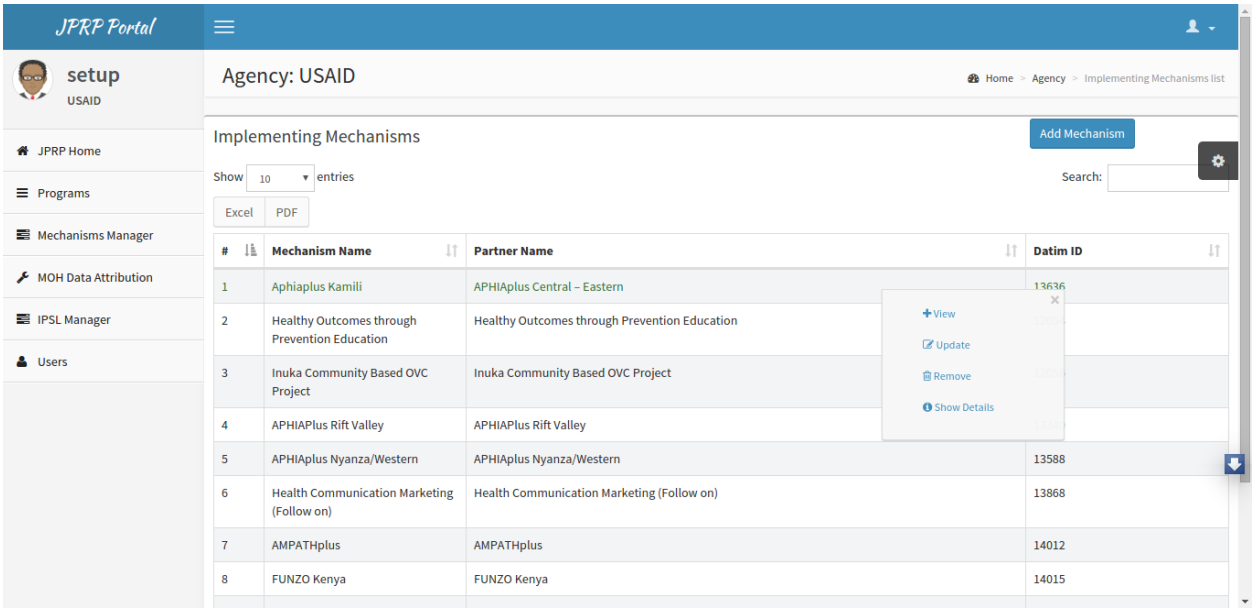
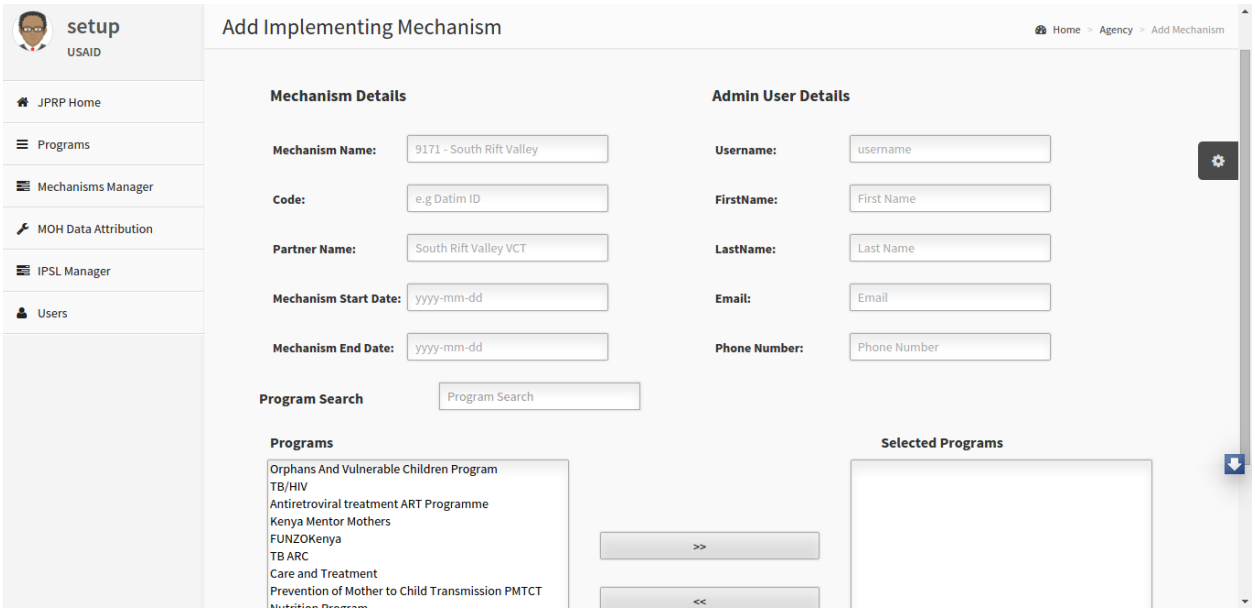


Fig -list of Mechanisms.

Note: To display the pop-out menu(with options e.g update and view) click on a specific mechanism in the list.

4.3.2 Add Mechanism

Fig -Adding a Mechanism



Note: Must provide programs supported by the mechanism and credentials of the Chief of Party of the IM.

4.3.3 Update Mechanism

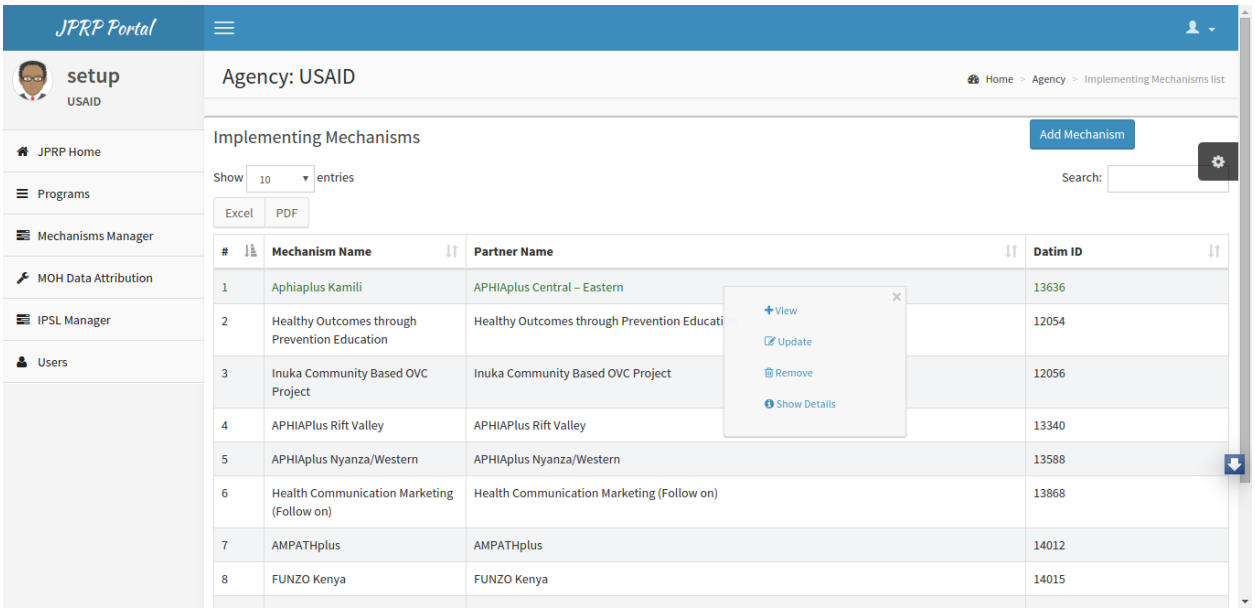


Fig -Updating a mechanism.

4.3.4 Mechanism Details

Can view programs allocated to the mechanism and the facilities supported.

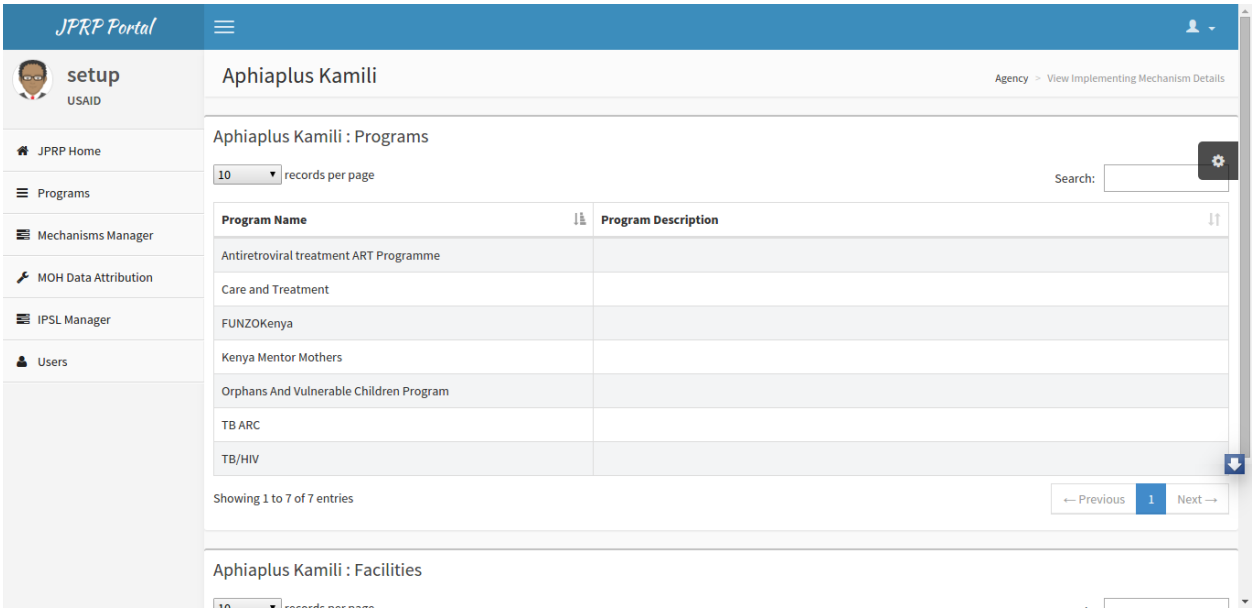


Fig -Viewing Mechanism detials.

4.4 Mechanism Level

On the Implementing Mechanism tab on the left menu.

4.4.1 Implementing Mechanism Details

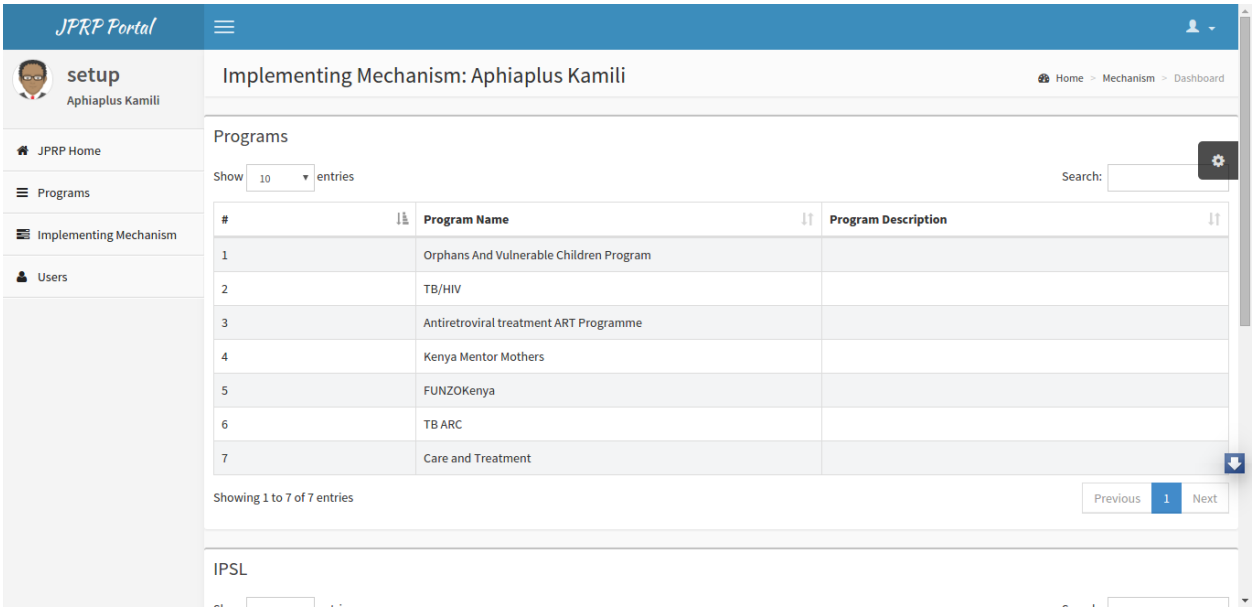
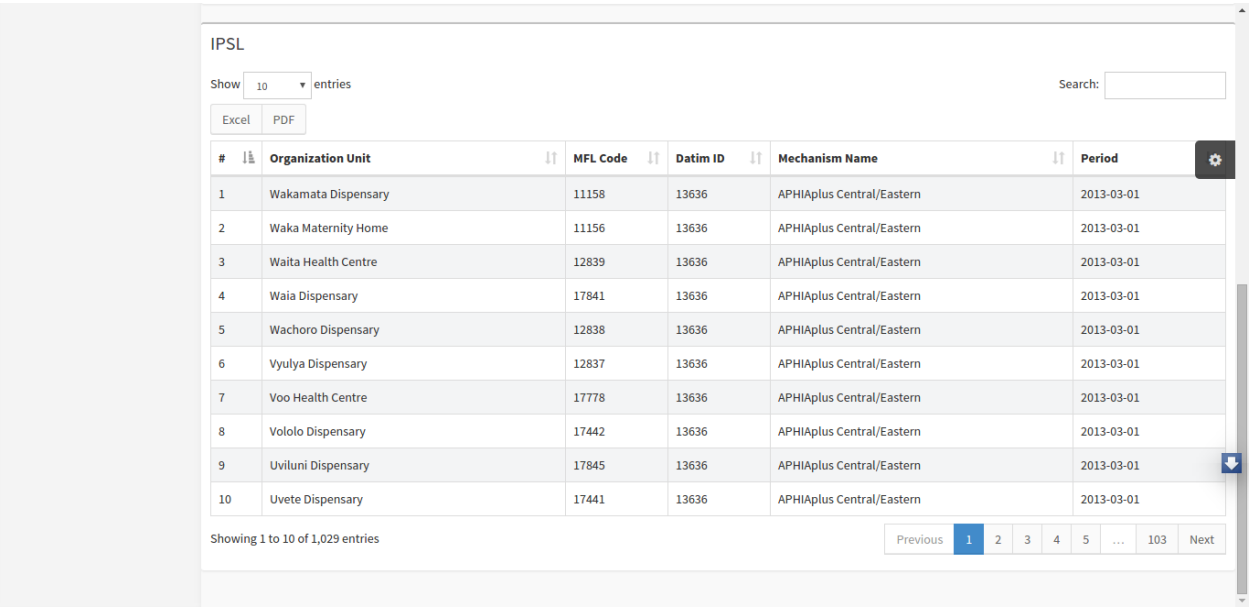


Fig -List of programs

Fig -Facilities supported.



IPSL

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Search:

Excel PDF

#	Organization Unit	MFL Code	Datim ID	Mechanism Name	Period
1	Wakamata Dispensary	11158	13636	APHIAplus Central/Eastern	2013-03-01
2	Waka Maternity Home	11156	13636	APHIAplus Central/Eastern	2013-03-01
3	Waita Health Centre	12839	13636	APHIAplus Central/Eastern	2013-03-01
4	Waia Dispensary	17841	13636	APHIAplus Central/Eastern	2013-03-01
5	Wachoro Dispensary	12838	13636	APHIAplus Central/Eastern	2013-03-01
6	Vyulya Dispensary	12837	13636	APHIAplus Central/Eastern	2013-03-01
7	Voo Health Centre	17778	13636	APHIAplus Central/Eastern	2013-03-01
8	Vololo Dispensary	17442	13636	APHIAplus Central/Eastern	2013-03-01
9	Uviluni Dispensary	17845	13636	APHIAplus Central/Eastern	2013-03-01
10	Uvete Dispensary	17441	13636	APHIAplus Central/Eastern	2013-03-01

Showing 1 to 10 of 1,029 entries

Previous 1 2 3 4 5 … 103 Next

CHAPTER 5

User Management

5.1 Users and User Roles

All users in the system will be created using the User Management Module in JPRP.

5.1.1 Creating Users

- Administrators have the responisibility of creating users at their respective levels.
- When creating users they will have to provide the user with a DHIS2 user role which is already predefined.
- In addition, they will provide the user with a JPRP user role.

Note: For the JPRP user roles the administrators will have to create them based on their organization.

How to create a user

- Click on the users tab on the left menu
- On the user management dashboard that appears click on the users icon.
- It displays a list of the users with their different roles. On the right side, click on the button “new user”
- Provide the details of the user(username, first name, surname, phone number, email address, DHIS2 user role and JPHES user role).
- Then click on the submit button.

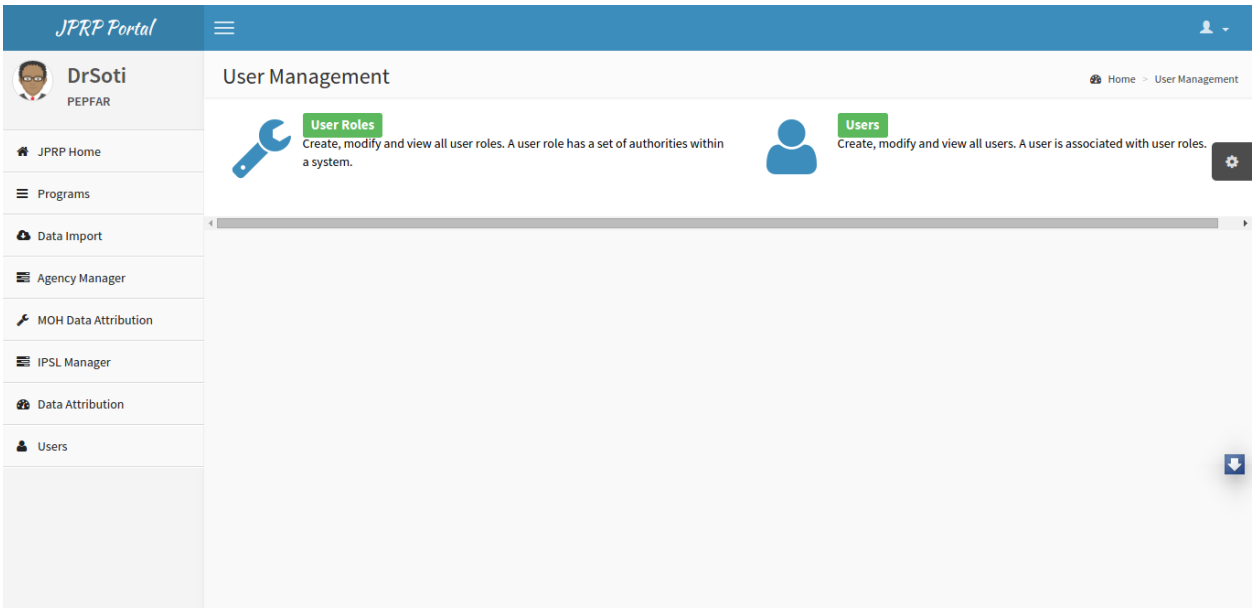
Fig -User Management Dashboard.

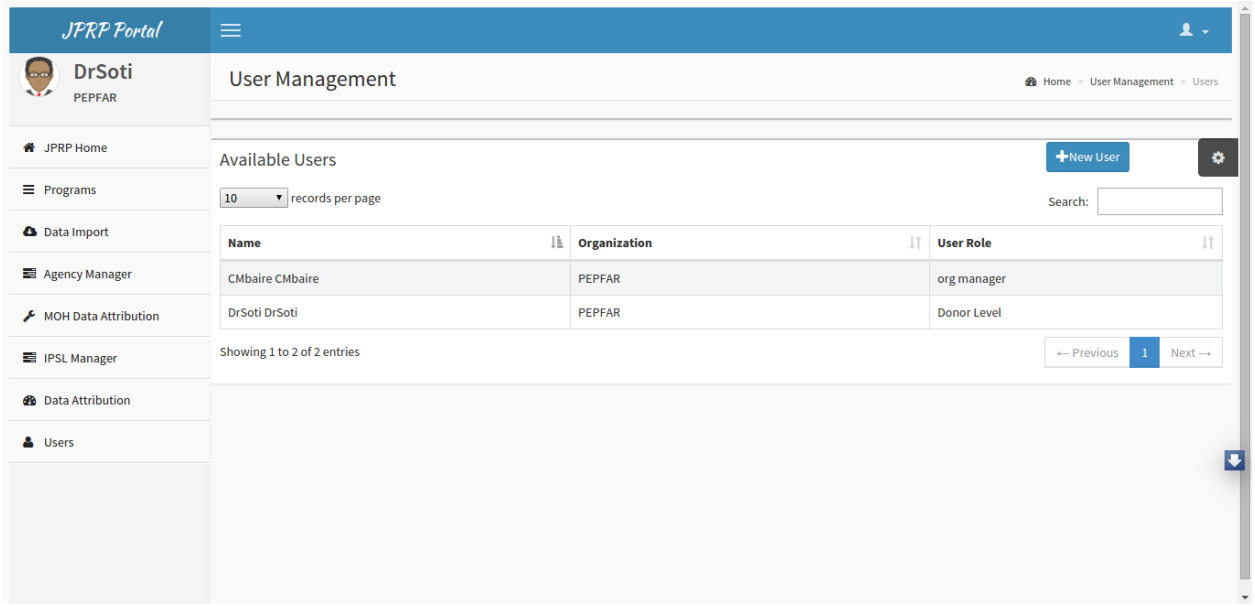
Fig - List of Users

Fig -Add User.

5.1.2 Creating User Roles

- Click on the users tab on the left menu.
- On the user management dashboard that appears click on the user roles icon.
- It displays a list of the users roles with their different authorities. On the right side, click on the button “Add User Role”


JPRP Portal
DrSoti
PEPFAR
JPRP Home
Programs
Data Import
Agency Manager
MOH Data Attribution
IPSL Manager
Data Attribution
Users
User Management
Home > User Management
User Roles
Create, modify and view all user roles. A user role has a set of authorities within a system.
Users
Create, modify and view all users. A user is associated with user roles.


JPRP Portal
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PEPFAR
JPRP Home
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MOH Data Attribution
IPSL Manager
Data Attribution
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User Management
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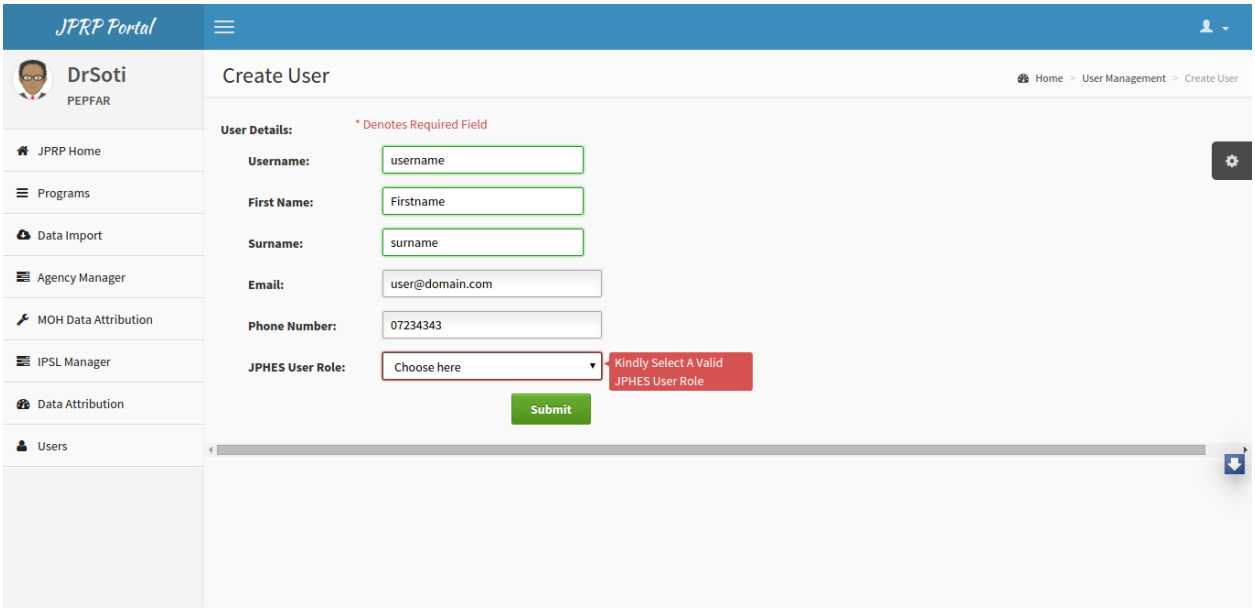


- Provide a name of the user role and select the relevant authorities of the user role. Then click on the submit button.
- Other options-A user can update the selected authorities and the user role name.

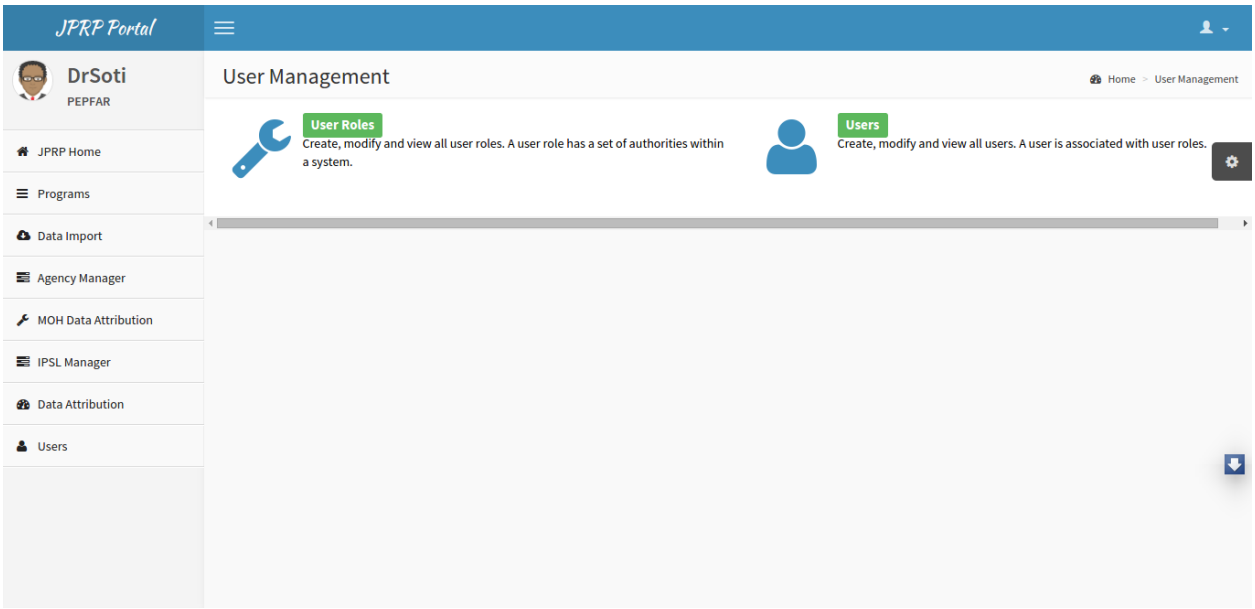
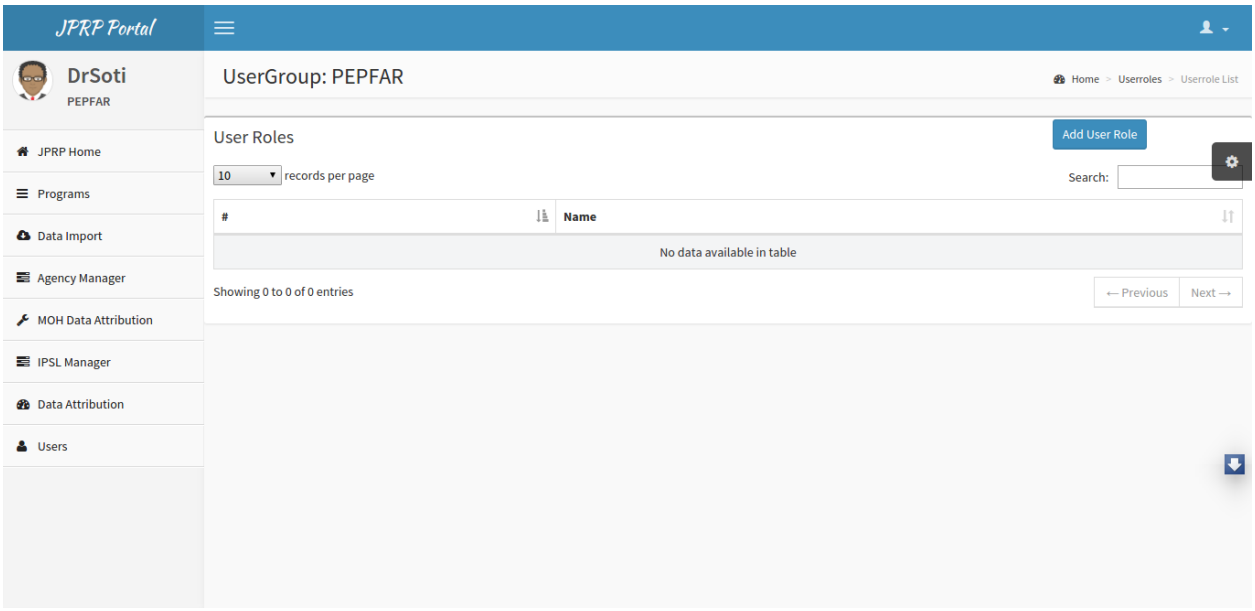


Fig -User Management Dashboard.

Fig -List of user roles.

Fig -Add User Role.


JPRP Portal
DrSoti
PEPFAR
JPRP Home
Programs
Data Import
Agency Manager
MOH Data Attribution
IPSL Manager
Data Attribution
Users
UserGroup: PEPFAR
Home > Userroles > Userrole List
User Roles
Add User Role
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Name
No data available in table
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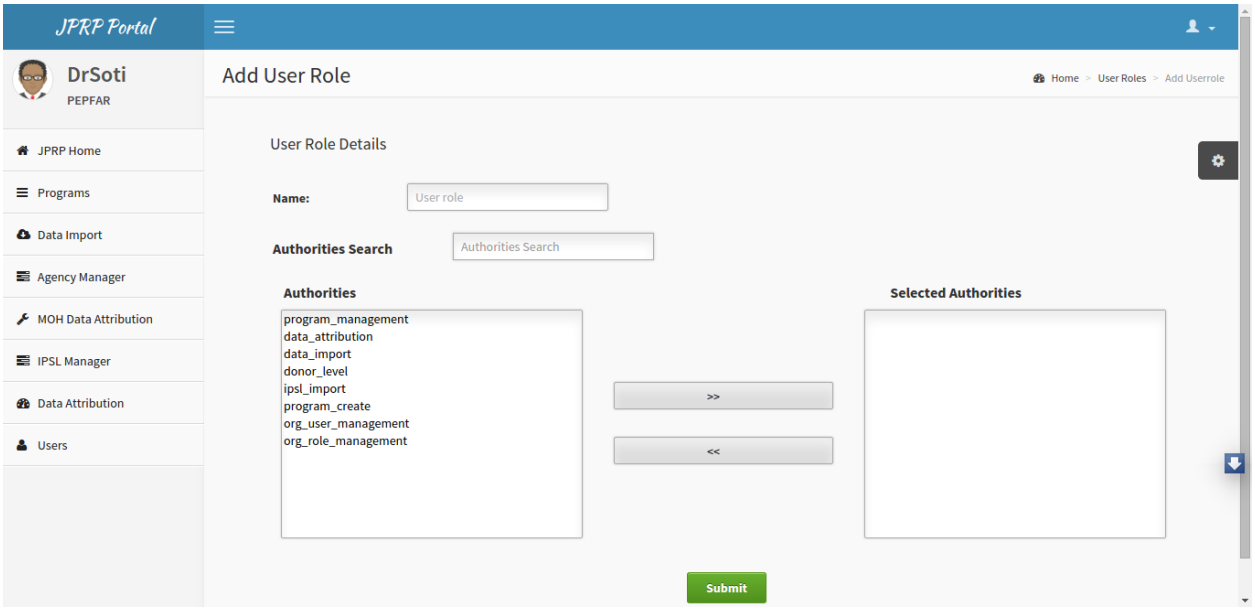
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DrSoti
PEPFAR
JPRP Home
Programs
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IPSL Manager
Data Attribution
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Home > User Roles > Add Userrole
User Role Details
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User role
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org_role_management
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Selected Authorities
Submit

5.2 DHIS2 User Roles

5.2.1 Development Partner Level

- Donor Admin

5.2.2 Agency Level

- Agency User
- Agency Admin

5.2.3 Mechanism Level

- Implementing Partner Admin
- Implementing Partner User

5.3 JPRP User Authorities

5.3.1 Development Partner Level

- Program Management- View all programs
- Org User Management - Create JPRP users
- Org Role Management - Create JPRP user roles
- IPSL Import - Can Import the IPSL
- Data Attribution -Can perform Data Attribution.
- Program Create -Can create,update and remove programs.
- Donor Level

5.3.2 Agency Level

- Program Management
- Org User Management
- Org Role Management
- IPSL Import
- Agency Level

5.3.3 Mechanism Level

- Program Management
- Org User Management
- Org Role Management
- Mechanism Level

CHAPTER 6

Programs

6.1 Assigning Programs.

After clicking on the programs tab the user with the required permissions can create, edit and remove programs.

6.2 View Program List.

This page displays the programs already created. On clicking on a program item a **pop up menu** appears that allows the user to perform functions such as: - Show details of a program. - Remove a program. - Update a program. - View program.

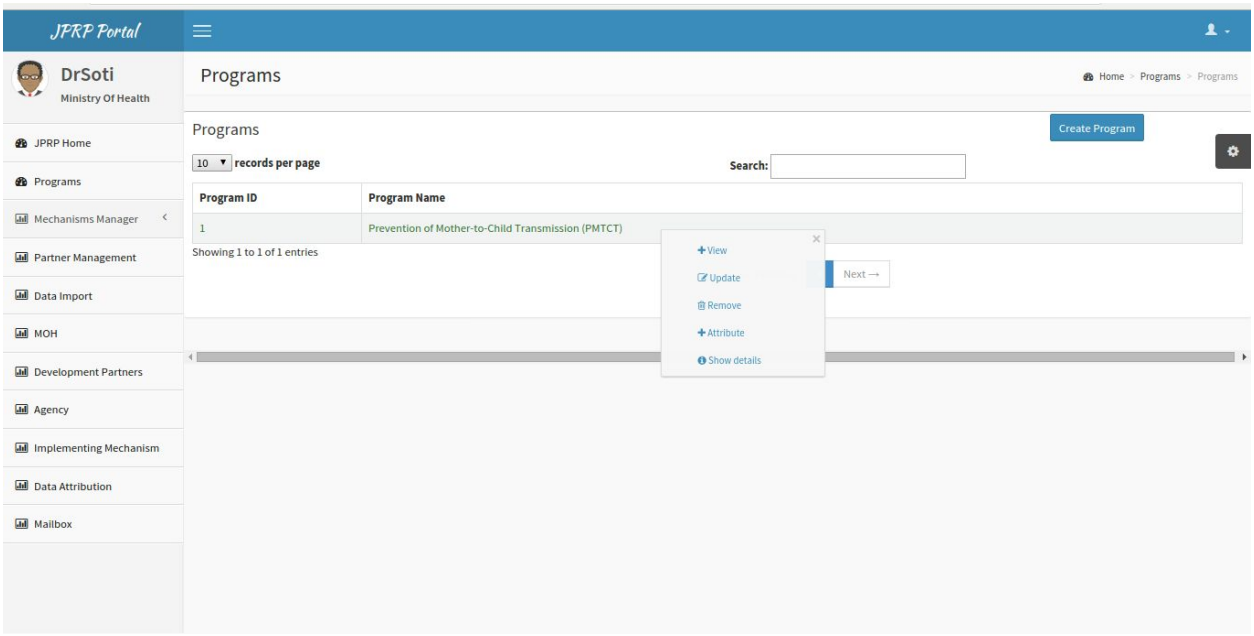


Fig 4-Pop-up menu on the program list.

6.3 Creating a Program

To display the program creation page, click on the create program button on the program list page. During this process the user has to provide the program name, program short name, program description and select data elements for the program.

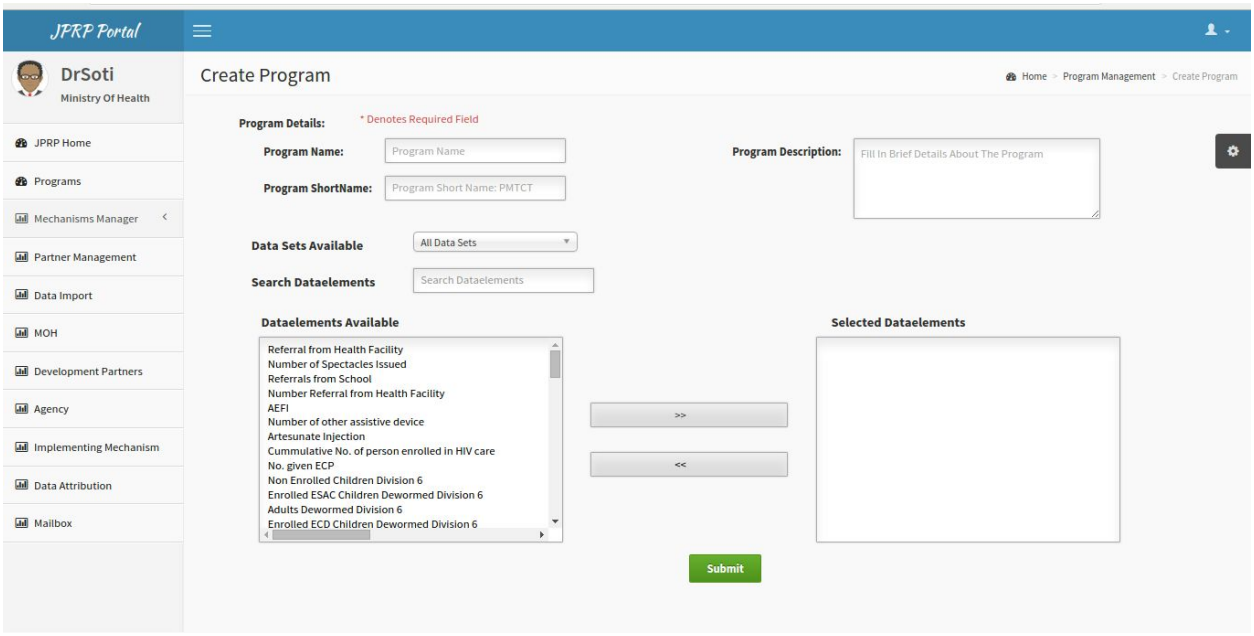


Fig 5. -Create Program Page

6.4 Edit Program.

To display the program edit page, on the pop-up menu select edit. It allows the user to update details of the program such as the program name, short name, description and the data elements.

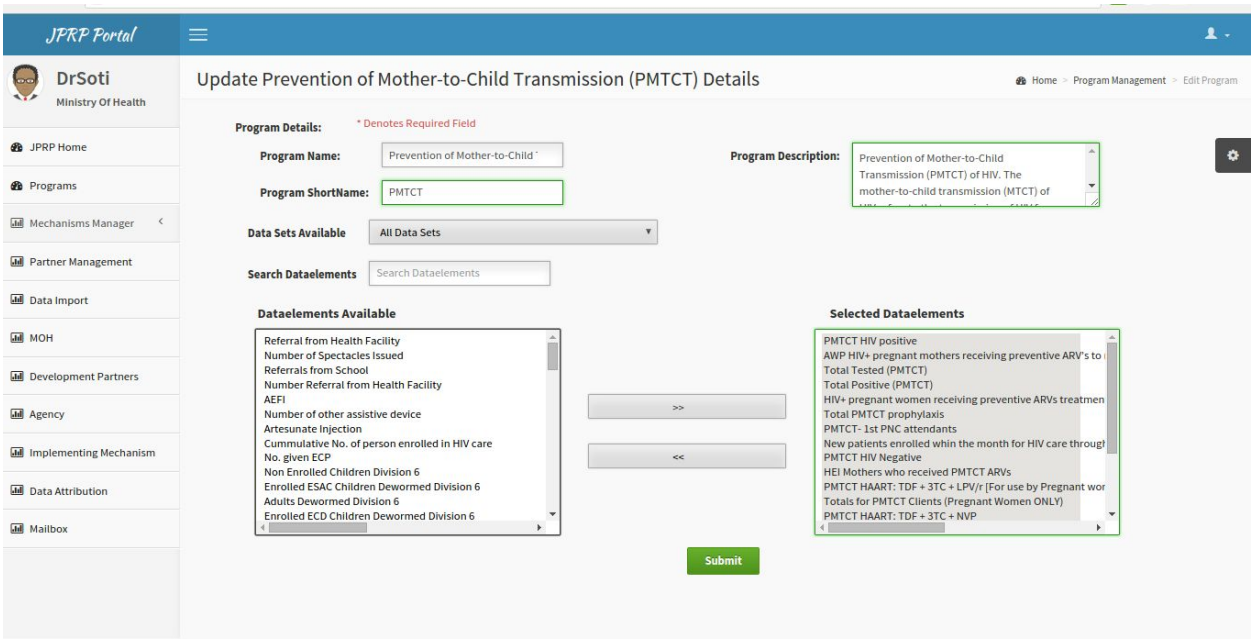
Fig 6.- Program Edit Page

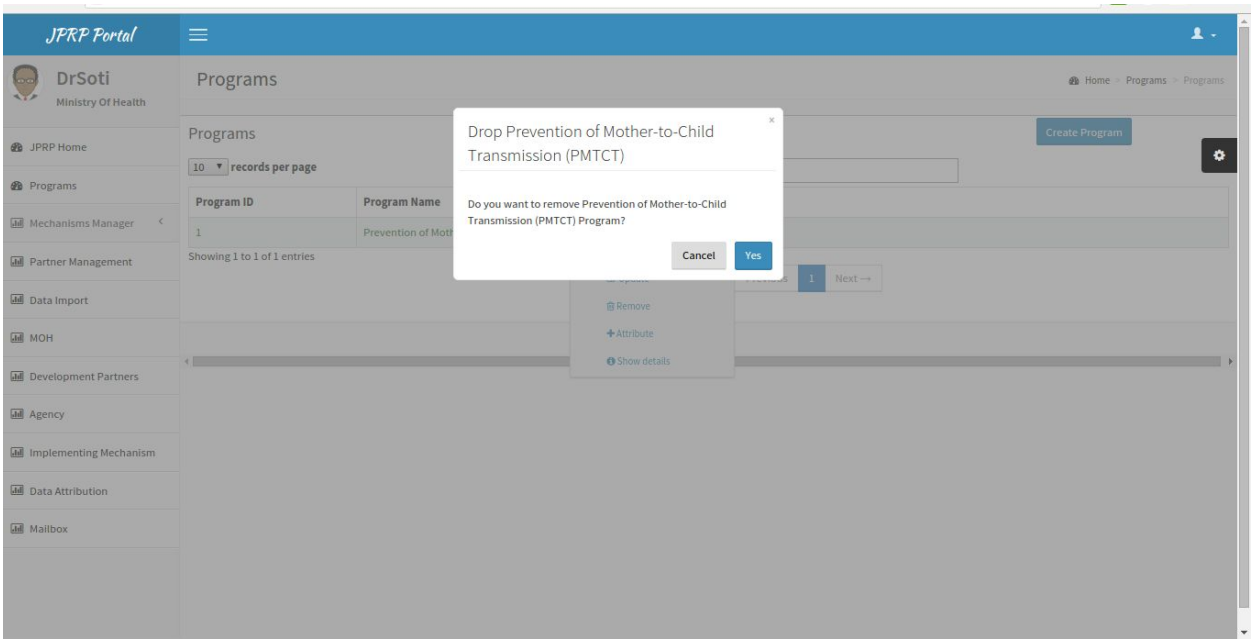
6.5 Remove/Delete Program.

On the program list page, click on the program you want to delete. On the pop up menu that appears select Remove. A dialog box appears and asks you to confirm or cancel the process. If you confirm the program will be delete.

Note: A program assigned to either donors, development partners, agencies and implementing partners cannot be deleted unless unassigned.

Fig 7. Confirmation to remove a Program.


JPRP Portal
DrSoti
Ministry Of Health
JPRP Home
Programs
Mechanisms Manager
Partner Management
Data Import
MOH
Development Partners
Agency
Implementing Mechanism
Data Attribution
Mailbox
Update Prevention of Mother-to-Child Transmission (PMTCT) Details
Home > Program Management > Edit Program
Program Details:
* Denotes Required Field
Program Name:
Prevention of Mother-to-Child
Program ShortName:
PMTCT
Program Description:
Prevention of Mother-to-Child Transmission (PMTCT) of HIV. The mother-to-child transmission (MTCT) of
Data Sets Available
All Data Sets
Search Dataelements
Search Dataelements
Dataelements Available
Referral from Health Facility
Number of Spectacles Issued
Referrals from School
Number Referral from Health Facility
AEFI
Number of other assistive device
Artesunate Injection
Cummulative No. of person enrolled in HIV care
No. given ECP
Non Enrolled Children Division 6
Enrolled ESAC Children Dewormed Division 6
Adults Dewormed Division 6
Enrolled ECD Children Dewormed Division 6
>>
<<
Selected Dataelements
PMTCT HIV positive
AWP HIV+ pregnant mothers receiving preventive ARV's to
Total Tested (PMTCT)
Total Positive (PMTCT)
HIV+ pregnant women receiving preventive ARVs treatmen
Total PMTCT prophylaxis
PMTCT- 1st PNC attendants
New patients enrolled whin the month for HIV care through
PMTCT HIV Negative
HEI Mothers who received PMTCT ARVs
PMTCT HAART: TDF + 3TC + LPV/r [For use by Pregnant wor
Totals for PMTCT Clients (Pregnant Women ONLY)
PMTCT HAART: TDF + 3TC + NVP
Submit


JPRP Portal
DrSoti
Ministry Of Health
JPRP Home
Programs
Mechanisms Manager
Partner Management
Data Import
MOH
Development Partners
Agency
Implementing Mechanism
Data Attribution
Mailbox
Programs
Home > Programs > Programs
Programs
Create Program
10 records per page
Program ID
Program Name
1
Prevention of Moth
Showing 1 to 1 of 1 entries
Drop Prevention of Mother-to-Child Transmission (PMTCT)
Do you want to remove Prevention of Mother-to-Child Transmission (PMTCT) Program?
Cancel
Yes
Next →
Remove
Attribute
Show details

6.6 Show Program Details.

On the pop-up menu, select show details option to display program details. It shows summary details of the program such as number of data elements, program description and number of archives.

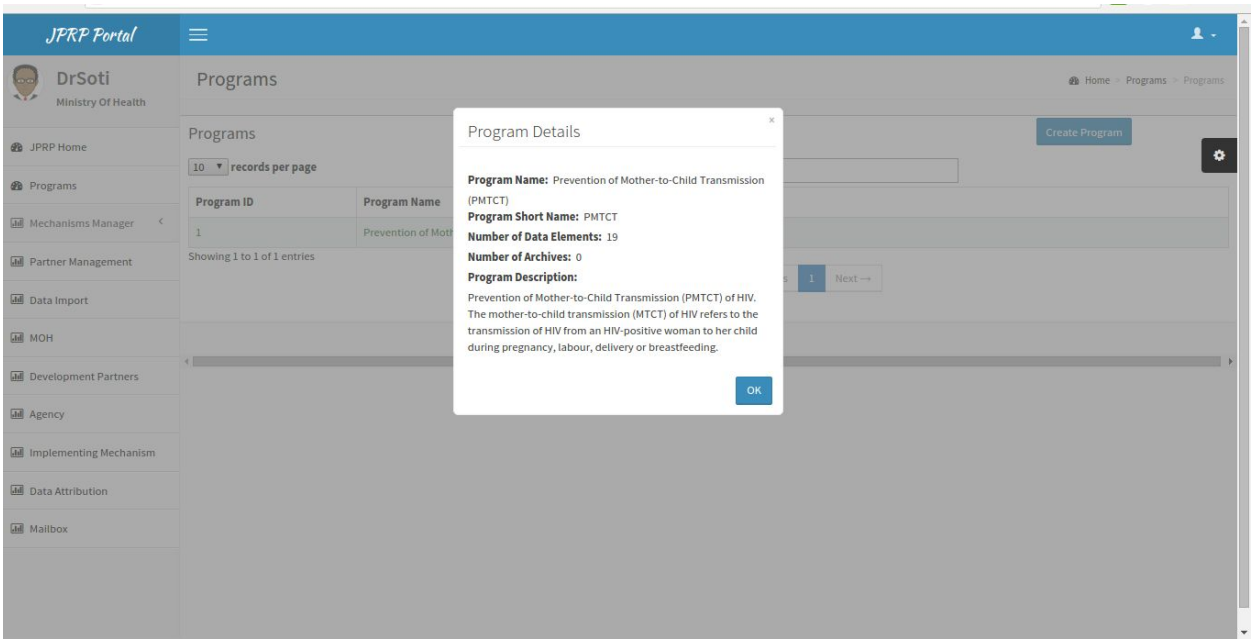


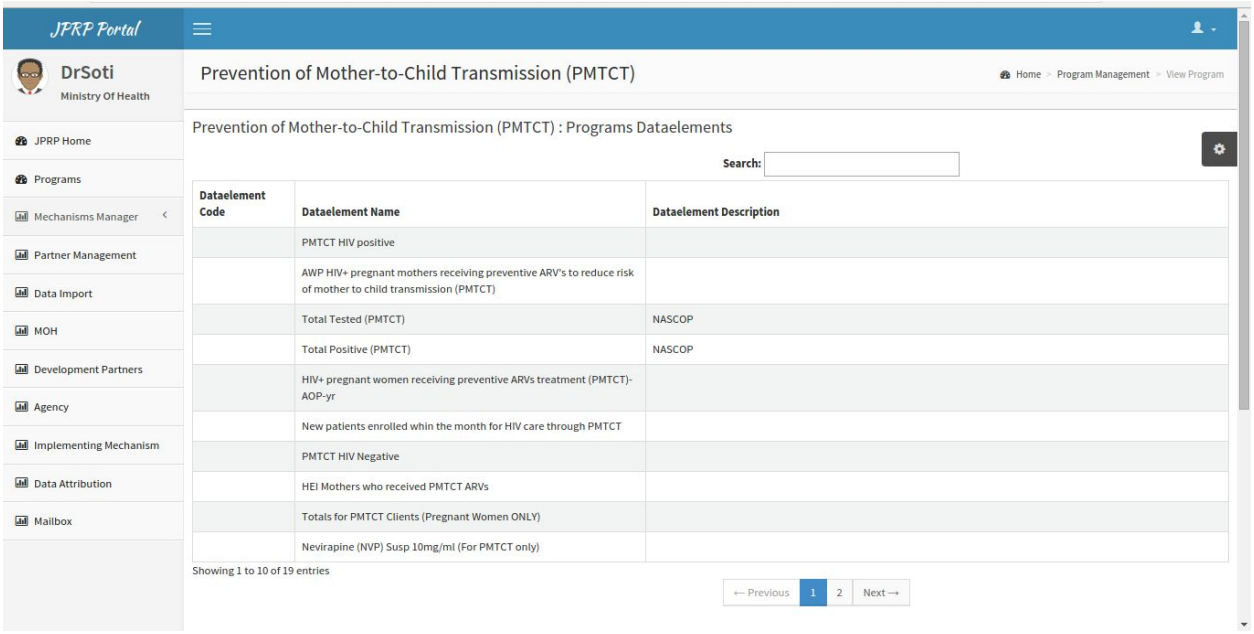
Fig 8. Show Program Details.

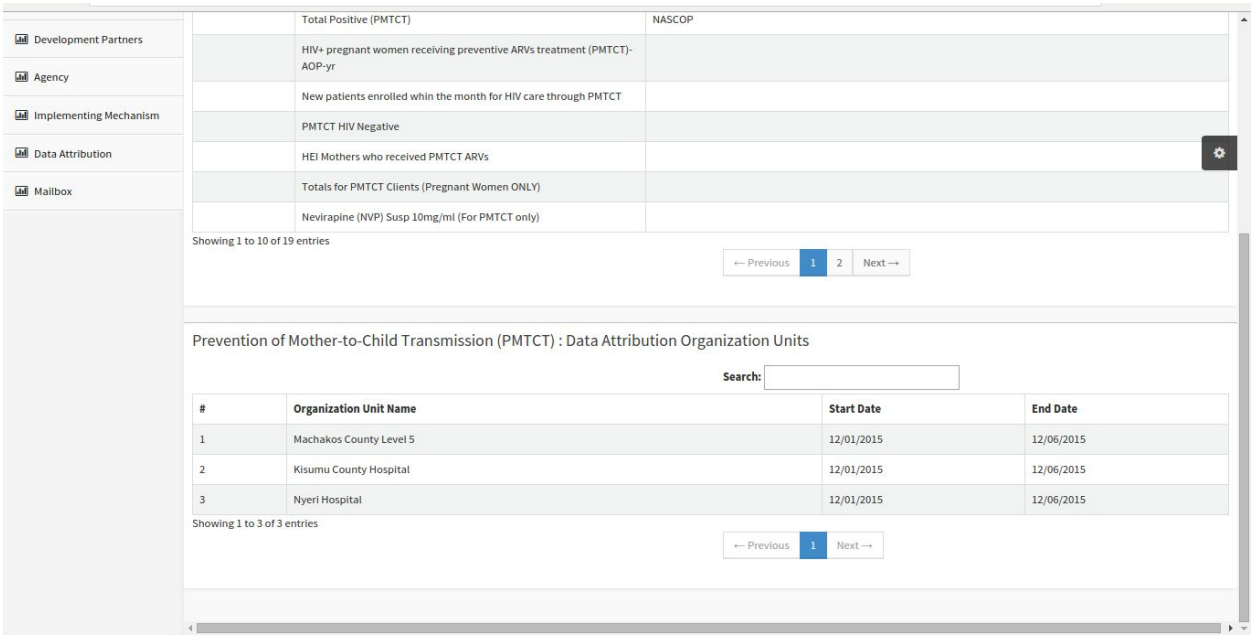
6.7 View Program

On selecting the view option on the pop-up menu. It displays the data elements assigned to the program and the facilities supporting the program.

Fig 9. Data elements of the Program.

Fig 10. Facilities supporting the program.


JPRP Portal
DrSoti
Ministry Of Health
JPRP Home
Programs
Mechanisms Manager
Partner Management
Data Import
MOH
Development Partners
Agency
Implementing Mechanism
Data Attribution
Mailbox
Prevention of Mother-to-Child Transmission (PMTCT)
Home > Program Management > View Program
Prevention of Mother-to-Child Transmission (PMTCT) : Programs Dataelements
Search:
Dataelement Code
Dataelement Name
Dataelement Description
PMTCT HIV positive
AWP HIV+ pregnant mothers receiving preventive ARV's to reduce risk of mother to child transmission (PMTCT)
Total Tested (PMTCT)
NASCOP
Total Positive (PMTCT)
NASCOP
HIV+ pregnant women receiving preventive ARVs treatment (PMTCT)-AOP-yr
New patients enrolled whin the month for HIV care through PMTCT
PMTCT HIV Negative
HEI Mothers who received PMTCT ARVs
Totals for PMTCT Clients (Pregnant Women ONLY)
Nevirapine (NVP) Susp 10mg/ml (For PMTCT only)
Showing 1 to 10 of 19 entries
← Previous
1
2
Next →


Development Partners
Agency
Implementing Mechanism
Data Attribution
Mailbox
Total Positive (PMTCT)
NASCOP
HIV+ pregnant women receiving preventive ARVs treatment (PMTCT)-AOP-yr
New patients enrolled whin the month for HIV care through PMTCT
PMTCT HIV Negative
HEI Mothers who received PMTCT ARVs
Totals for PMTCT Clients (Pregnant Women ONLY)
Nevirapine (NVP) Susp 10mg/ml (For PMTCT only)
Showing 1 to 10 of 19 entries
← Previous
1
2
Next →
Prevention of Mother-to-Child Transmission (PMTCT) : Data Attribution Organization Units
Search:
#
Organization Unit Name
Start Date
End Date
1
Machakos County Level 5
12/01/2015
12/06/2015
2
Kisumu County Hospital
12/01/2015
12/06/2015
3
Nyeri Hospital
12/01/2015
12/06/2015
Showing 1 to 3 of 3 entries
← Previous
1
Next →

CHAPTER 7

Data Import

7.1 Data Import from the national DHIS2 instance

To import data from DHIS2 live click on the **Data Import** button on the left menu. Then on the data import page select the period, the data elements and lastly the organization units. It will perform the import then show a data import statistics of the data elements that have been successfully imported and the ones that failed.

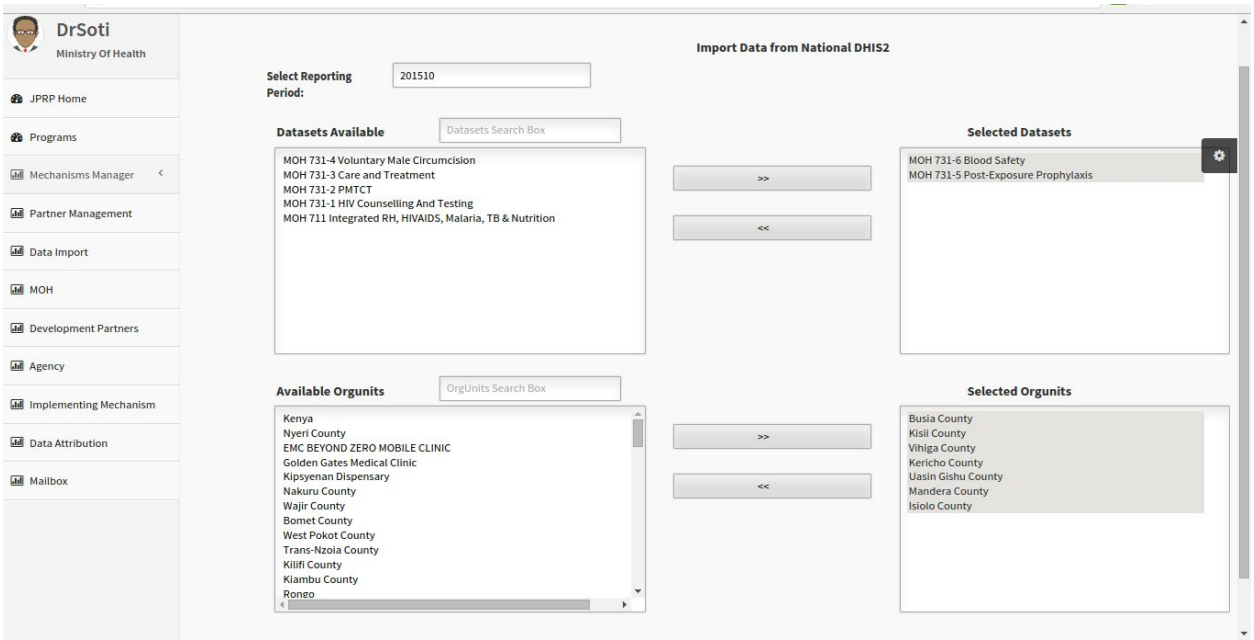
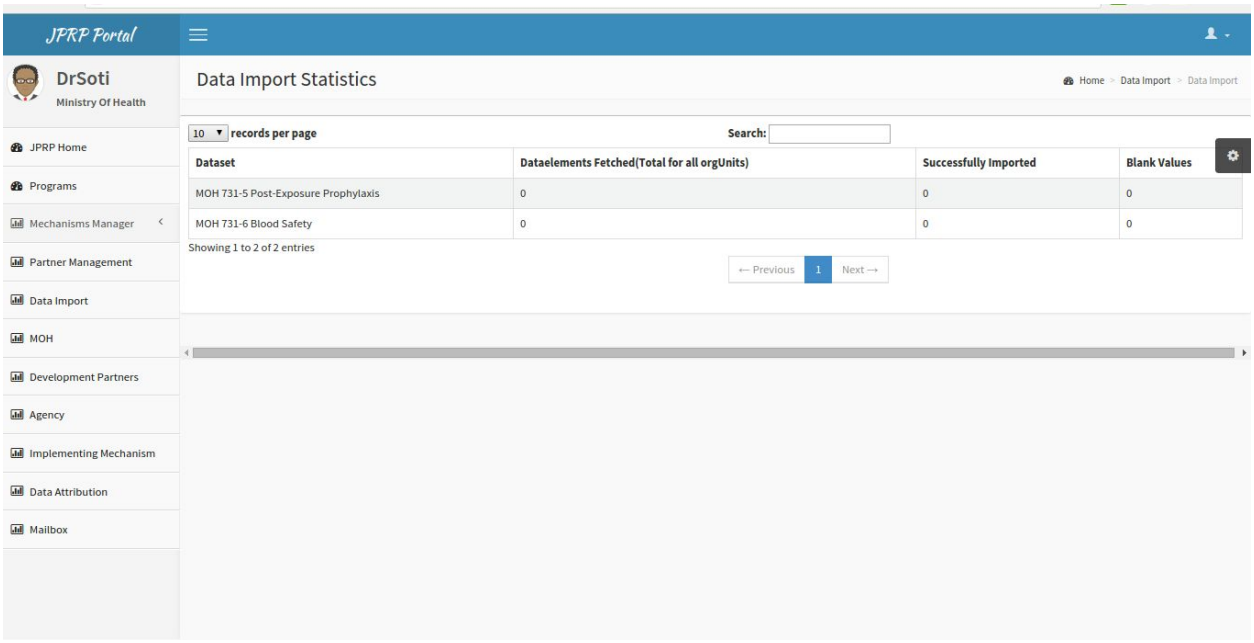


Fig 11 -Data Import Page.

Fig 12 -Data Import Statistics Page.


JPRP Portal
DrSoti
Ministry Of Health
JPRP Home
Programs
Mechanisms Manager
Partner Management
Data Import
MOH
Development Partners
Agency
Implementing Mechanism
Data Attribution
Mailbox
Data Import Statistics
Home > Data Import > Data Import
10 records per page
Search:
Dataset
Dataelements Fetched(Total for all orgUnits)
Successfully Imported
Blank Values
MOH 731-5 Post-Exposure Prophylaxis
0
0
0
MOH 731-6 Blood Safety
0
0
0
Showing 1 to 2 of 2 entries
← Previous
1
Next →

CHAPTER 8

Program Reporting Structure and Attribution

8.1 PEPFAR Program Reporting Structure

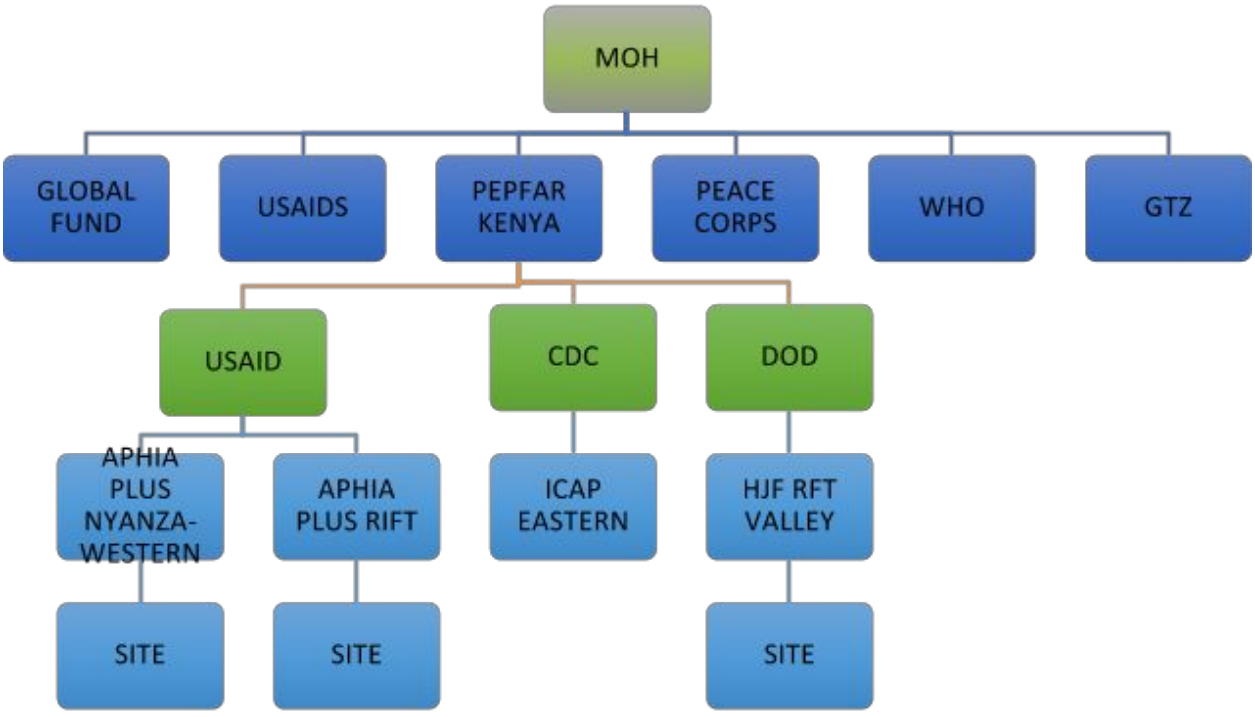


Fig 17 -Reporting structure

8.2 Data Attribution

The attribution process can be summarized using the following diagram,

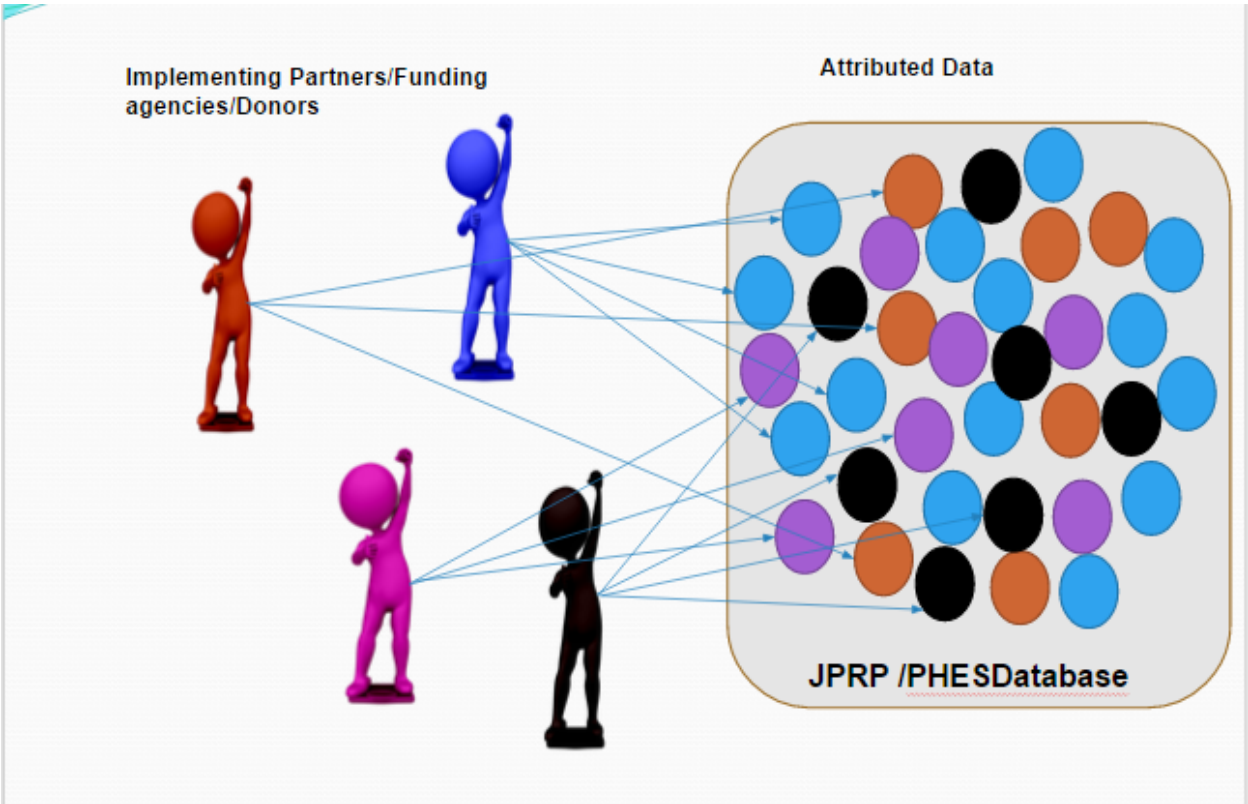
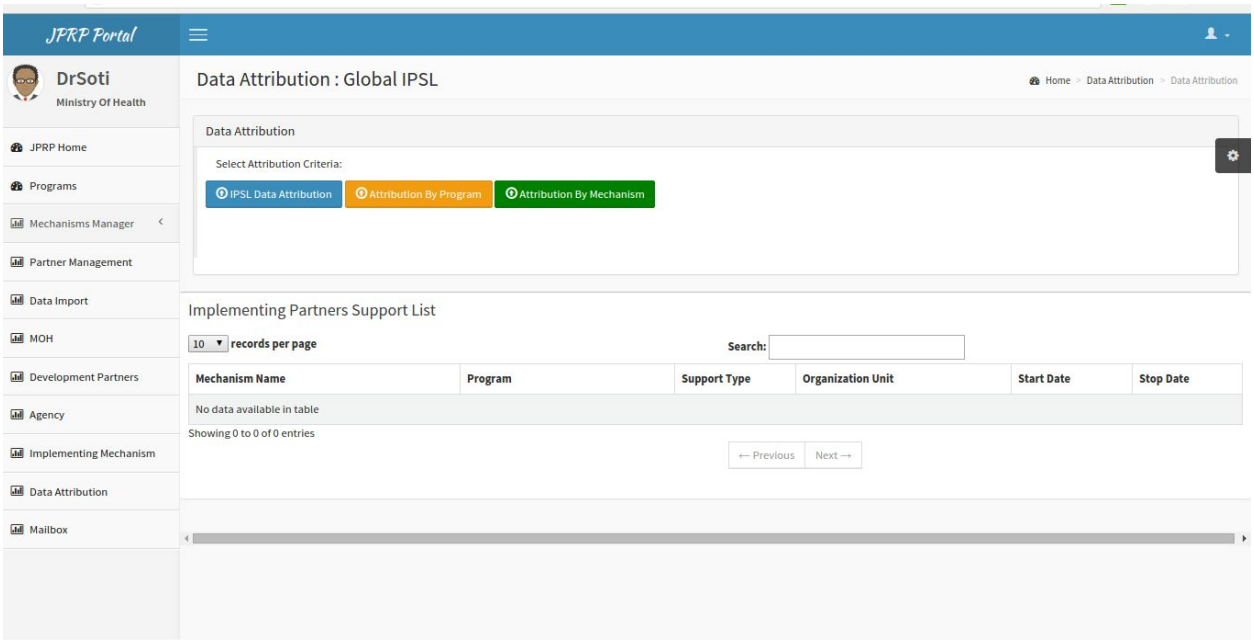


Fig 18 -Attribution Process Attribution is performed by either IPSL, Mechanism or Program. After selecting the respective IPSL option data will be attributed accordingly as per the IPSL and the attribution results will be visible when performing Pivot table analysis.

Fig 18 -Attribution Page


JPRP Portal
DrSoti
Ministry Of Health
JPRP Home
Programs
Mechanisms Manager
Partner Management
Data Import
MOH
Development Partners
Agency
Implementing Mechanism
Data Attribution
Mailbox
Data Attribution : Global IPSL
Home > Data Attribution > Data Attribution
Data Attribution
Select Attribution Criteria:
IPSL Data Attribution
Attribution By Program
Attribution By Mechanism
Implementing Partners Support List
10 records per page
Search:
Mechanism Name
Program
Support Type
Organization Unit
Start Date
Stop Date
No data available in table
Showing 0 to 0 of 0 entries
← Previous
Next →

CHAPTER 9

Data Access, Data Analysis and Reports

9.1 Data Access Hierarchy Design

This is based on the hierarchy:

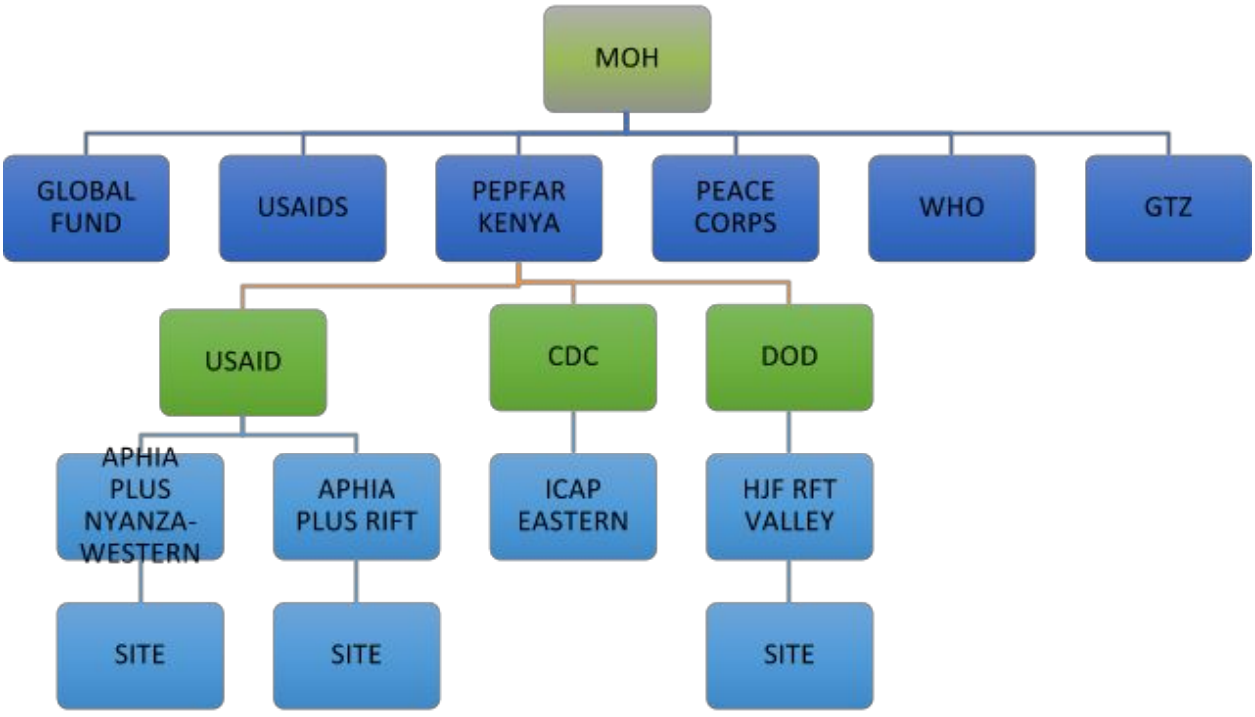


Fig 19 -Reporting structure

1. An implementing partner E.g. AMURT can only access their own data
2. An implementing agency E.g. USAID can access data for all their member implementing partners.
3. A donor E.g. PEPFAR can see data for all their member agencies and Implementing partners.

The following Additional analysis dimensions have been provided in the JPRP portal for both Pivot table and Visualizer. The visibility of these dimensions will vary from one user log in to another depending on the assigned privileges. For example, AMURT, an implementing partner will only see the Implementing partners' dimensions and only AMURT option under the same.

1. Implementing partners.
2. Implementing agencies.
3. Donors.

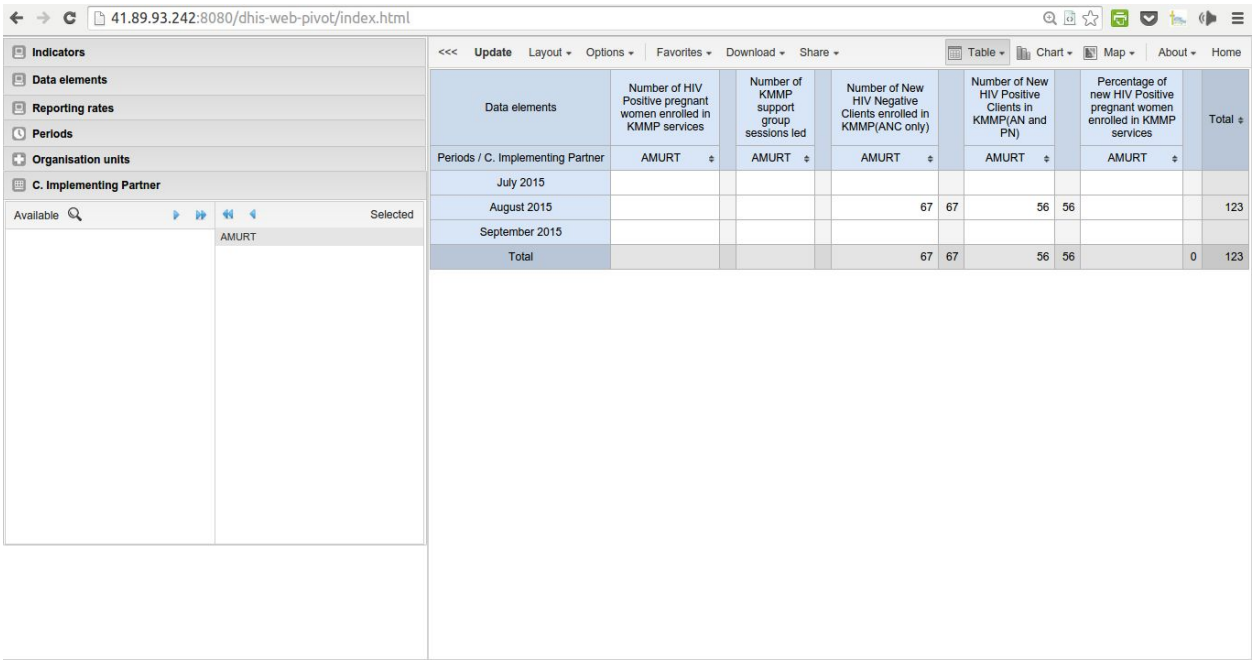


Fig 20. Pivot Table Analysis.

CHAPTER 10

Appendix 1: References

1. The DHIS2 user manual
2. The DHIS2 Implementer Guide