
jphes Documentation

Release 1.0.1a

HealthIT-UoN

Mar 03, 2017

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Background

JPHES is a web-based open source solution customized for *PEPFAR Kenya* partner reporting and data attribution built on [DHIS2](#). The platform replaces [KePMS](#) reporting system which was a standalone *Microsoft Access* based indicator monitoring database for use in the management, monitoring and evaluation of HIV/AIDS treatment and prevention programs supported by PEPFAR. It was developed in 2006 to plug the gap between the Government of Kenya reporting system and the PEPFAR reporting requirements. It was designed to operate at the level of in-country implementing partners who manage program specific data and forward it to national level where it is aggregated automatically by United States of America Government (USG) program managers.

Now, the JPHES platform supports both HIV and non-HIV indicator reporting, attribution of the indicators by partners, analysis and visualization of attributed. It provides Apps for maintaining the JPHES hierarchy, programs, user management and data push/pull.

Data for JPHES indicators already captured in the [National DHIS2](#) is pulled routinely using an *API* based middleware between the two systems. The middleware also allows routine data exchange to *DATIM4U*.

Why JPHES?

JPHES portal comes with the following benefits:

- 1.To avoid double data entry to JPHES and the [National DHIS2](#) by fetching the entered National DHIS2 data via the API.
- 2.To perform attribution on the unattributed national 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 platform 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, mechanisms ,agencies and donor levels.
- 6.Providing more analytical features for partners to monitor their own performance and make decisions informed by the data.
- 7.The plaform has data quality, approval and validation features to ensure data in the system is accurate.
8. It has an elaborate object sharing and role-based access, thus ensures users access functionalites and data based on their hierarchy level.

List of Abbreviations and Terminologies

Abbreviations

- **API**-Application Programming Interface.
- **AIDS**-Acquired Immune Deficiency Syndrome.
- **DATIM4U**-Data for Accountability, Transparency and Impact for Operating Units.
- **DHIS2** - District Health Information System Version 2.
- **HIV** - Human Immunodeficiency Virus.
- **IPs** - Implementing Partners.
- **IPSL** - Implementing Partners Support List.
- **KePMS** - Kenya HIV/AIDS Program Monitoring System.
- **MoH** - Ministry of Health.
- **PEPFAR**-President's Emergency Plan for AIDS Relief.

Terminologies

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

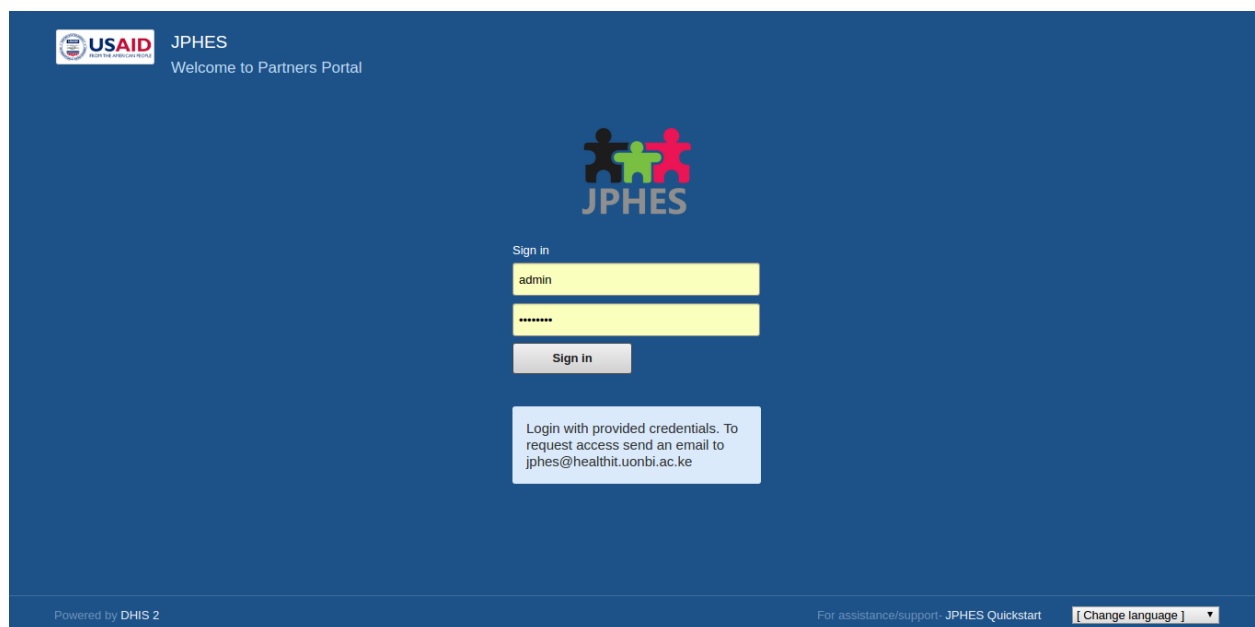
CHAPTER 3

Getting Started

System Access

Access *JPHES* via <http://jphesportal.uonbi.ac.ke> . To login to the platform, provide your username and password then click the login button.

Note: If you have challenges signing in, send an email to jphes@healthit.uonbi.ac.ke for assistance or via the jphes servicedesk



The screenshot shows the JPHES login interface. At the top left is the USAID logo with the text 'JPHEs Welcome to Partners Portal'. In the center is the JPHES logo, which consists of three stylized human figures in black, green, and red, with the text 'JPHEs' below them. Below the logo is a 'Sign in' section with two yellow input fields: the first contains 'admin' and the second contains a masked password '*****'. A 'Sign in' button is positioned below the password field. A light blue box contains the text: 'Login with provided credentials. To request access send an email to jphes@healthit.uonbi.ac.ke'. At the bottom, a dark blue footer bar contains the text 'Powered by DHIS 2' on the left, 'For assistance/support: JPHEs Quickstart' in the center, and a '[Change language]' dropdown menu on the right.

Fig.- JPHES Login Page

If successful, it directs you to the JPHES dashboard.

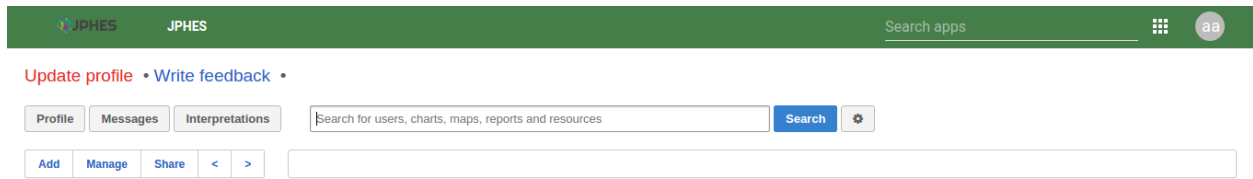


Fig.- Landing page

To change password, click on the user profile app.

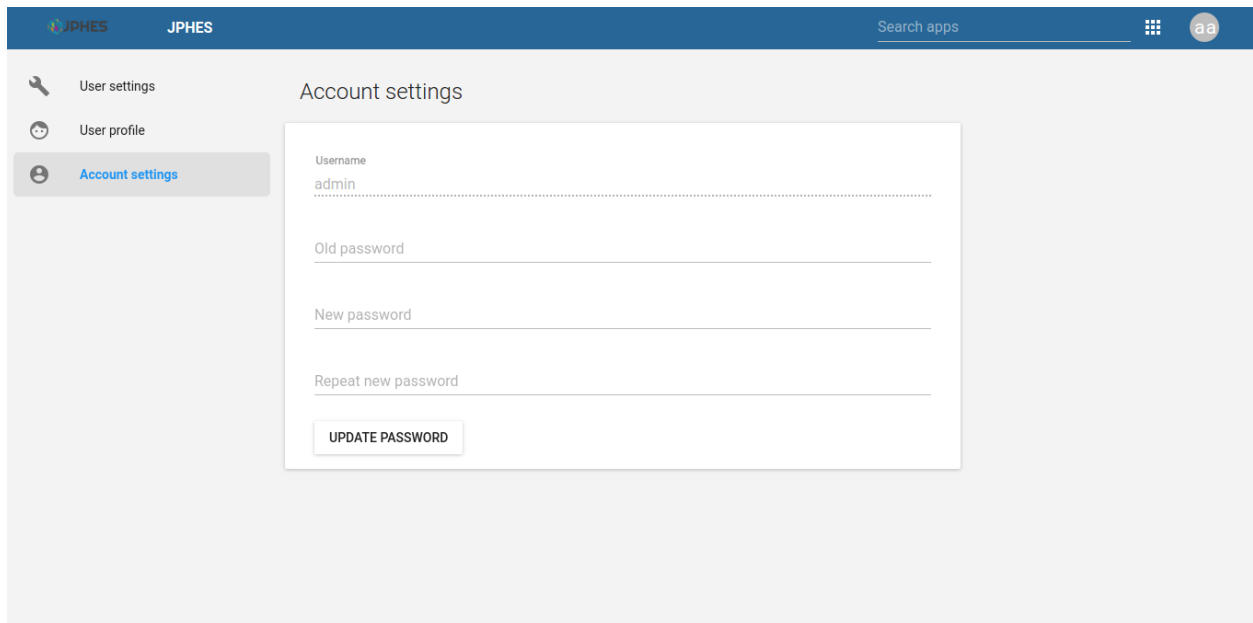


Fig.- Change User password

JPHES/DHIS2 Applications

Available applications in the platform.

Note: These applications will be visible based on your user role in the platform.

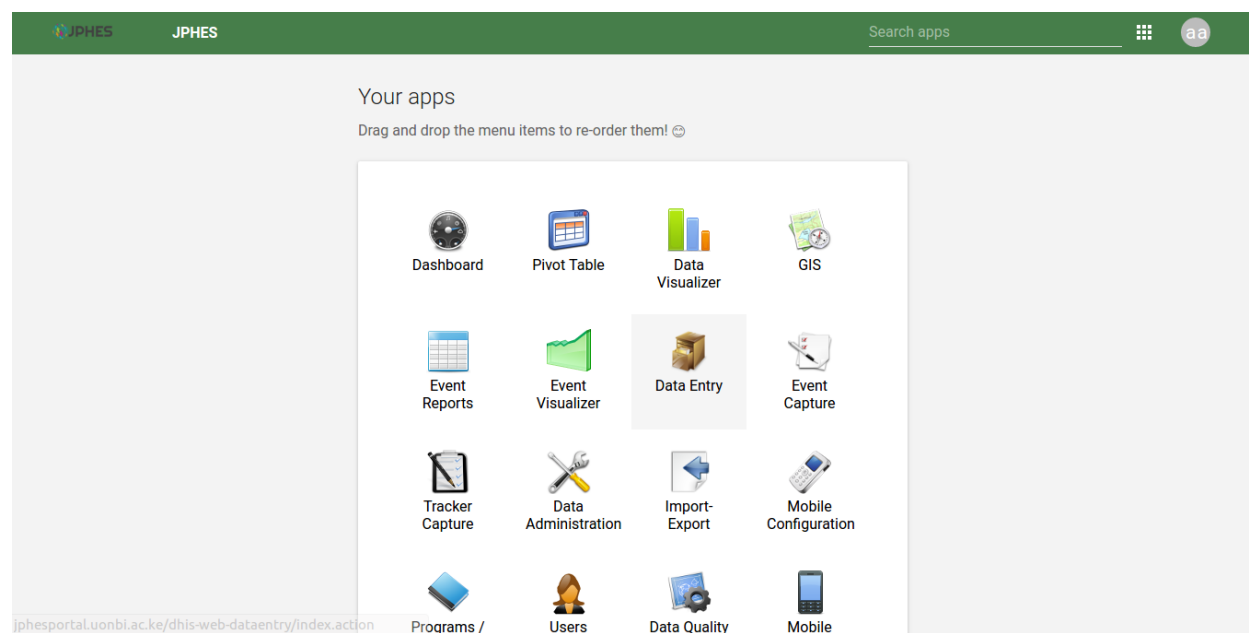


Fig.- Apps page 1

Fig.- Apps page 2

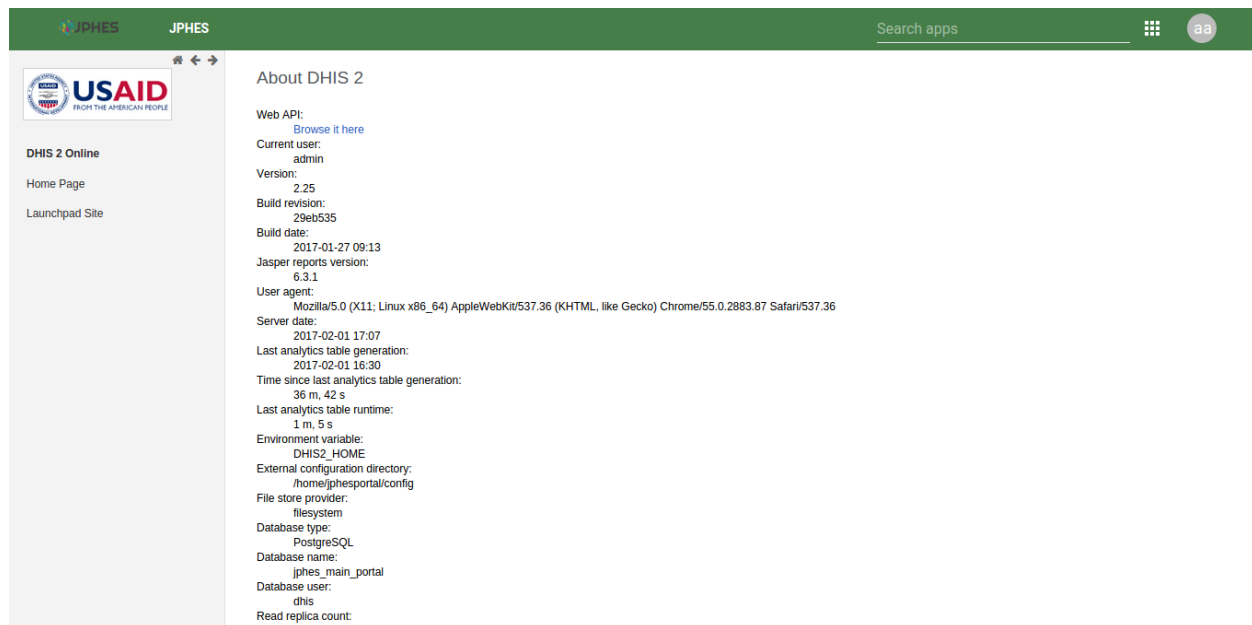
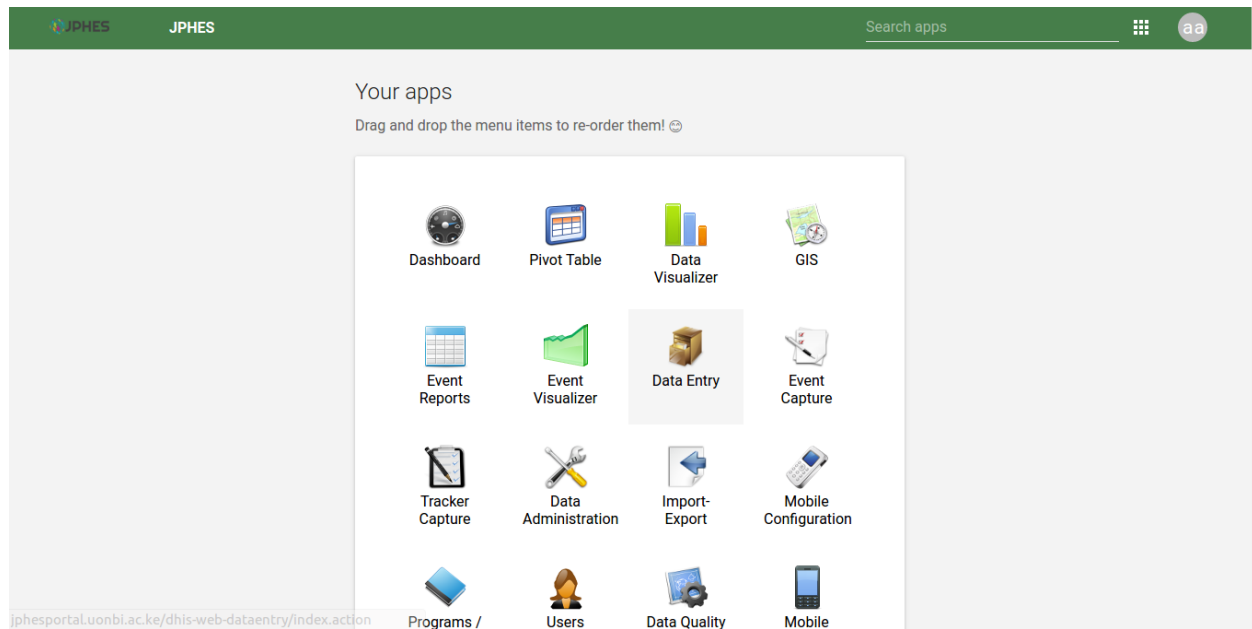
Navigate to the about page using the account icon.

Fig.- About Page

JPHES Functionalities

What the user can do

- 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.
- IPSL management.
- Pull Data from the National DHIS2.
- Data Push to DATIM4U.
- Perform data attribution,.
- Reports (standard reports), Data Visualization, Data Entry and Pivot tables analysis.



JPHER Hierarchy

Fig. Hierarchy Units

National Unit 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 (mechanism).
- Analysis and reports for all units (Donor, Agency, and Mechanism).

Donor Unit 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 users for this specific level.
- Analysis and reports for donor unit->agency units->mechanism units.

Agency Unit 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.
- Analysis and reports for the agency unit->mechanism units.

Mechanism Unit Level

- View a list of all facilities supported by the implementing mechanism.
- View a list of the programs supported by the IM.
- Data Entry and approval
- Analysis and reports for the mechanism unit.

CHAPTER 4

Indicators

Nutrition

Nutrition indicators

Table 4.1: Nutrition

#	Indicator Name	Re- port- ing Level	DHIS2 Refer- ence	Indicator Calculation
1	Custom: Total number of children under five years	Fa- cility	Popula- tion Esti- mates:	
2	Standard: 3.1.9-15 Number of children (under 5 yrs) reached by USG-supported nutrition programs:	Fa- cility	MOH 711	Total number of children (under 5) who are seen at health facilities for growth monitoring
3	Custom: Number of children under five who are wasted	Fa- cility	MOH 733B	Number of children (0 < 5 years) who are wasted] / [Number of children (0 < 5 years) whose measurements for wastage were taken at facility] X 100
4	Custom: Number of children under five who are Underweight	Fa- cility	MOH 711	Number of children under 5 years of age visting CWC for growth monitoring C during the month/surveys with weight for age below -2 SD
5	Standard: 3.1.9.2-2 Number of health facilities with established capacity to manage acute under-nutrition	County	non DHIS/Program data	
6	Standard: 3.1.9.2-3 Number of children under 5 years of age who received Vitamin A from USG-supported programs:	Fa- cility	MOH 710	Number of children supplemented with two doses of Vitamin A within one year divided by Total number of children who aged below 6-59 months

MCH

Maternal and Child Health indicators

Table 4.2: MCH

#	Indicator Name	Re- port- ing Level	DHIS2 Refer- ence	Indicator Calculation
1	Custom: Number of women who received at least 4 ANC visits during the latest pregnancy during a specified time period (year)	Fac- ility	MOH 711 ANC+PMTCT	Number of women (from same period) who made 4 visits during antenatal care divided by estimated number of pregnant women
2	Custom: Number of births in a given year attended by a skilled birth attendant (SBA) such as a doctor, nurse, or midwife	Fac- ility	MOH 711 Ma- ternity and Delivery	Number of births attended by skilled health personnel divided by Number of live births in the same period.
3	Custom: Number of women who had a live birth in the same specified period	Fac- ility	MOH 711 Ma- ternity and Delivery	
4	Custom: Number of children 12-23 months of age who received measles vaccine by the time they were 12 months of age:	Fac- ility	MOH 710 Immu- nisation	Number of children under one year of age who received at least one dose of measles containing vaccine divided by Estimated number of children surviving infants under the age of one year
5	Custom: Number of children age 12-23 months of age who received third does of DPT (Diphtheria, Pertussis, Tetanus) vaccine:	Fac- ility	MOH 710 Immu- nisation	Number of children under one year of age who received at least one dose of DTP containing vaccine divided by Estimated number of children surviving infants under the age of one year
6	Custom: Number of children who have received the third dose of pneumococcal conjugate vaccine by 12 months of age:	Fac- ility	MOH 710 Immu- nisation	Number of children under one year of age who received at least one dose of PCV containing vaccine divided by Estimated number of children surviving infants under the age of one year
7	Number of children under one fully immunized	Fac- ility	MOH 710 Immu- nisation	Number of children under 1 year who received three doses of Oral Polio Vaccine (OPV), three doses of diphtheria, pertussis , and tetanus (DPT), and one dose each of Bacillea Calmette-Guerin (BCG) and measles vaccine (static and outreach) before age 12 months divided by Estimated number of children younger than one year for a given period
8	Custom: Number of children under one year who receive three doses of OPV excluding birth polio	Fac- ility	MOH 710 Immu- nisation	Number of children under one year of age who received at least one dose of OPV(Excluding birth polio) containing vaccine divided by Estimated number of children surviving infants under the age of one year
9	Number of living children Under 12 months:	Sub County	Popula- tion Esti- mates:	
10	Custom: Number of children under five	Fac- ility	non	
4.2. MCH	Number of children under five years old with diarrhea who received Oral Rehydration Therapy (ORT), defined as receiving Oral Rehydration Salt (ORS) solution:	Fac- ility	DHIS/Program data	13

FPRH

Family Planning and Reproductive Health indicators

Table 4.3: FPRH

#	Indicator Name	Reporting Level	DHIS2 Reference	Indicator Calculation
1	Standard: 3.1.7.1-1 Couple-years of protection (CYP) in USG-supported programs	Sub County	MOH 711	.
2	Standard: 3.1.7.1-2 Percent of service delivery points (SDP) that experience stock out at any time during the reporting period of a contraceptive method that the SDP is expected to provide:	Facility	non DHIS/Program data	
3	Numerator: Number of service delivery sites providing family planning (FP) counselling and/or services:	Facility	MOH 711	
4	Denominator: Number of service delivery points (SDP) that experience stock out at any time during the reporting period of a contraceptive method that the SDP is expected to provide:		FCDRR	
5	Standard: 3.1.7.1-4 Number of additional USG-assisted community health workers (CHWs) providing family planning (FP) information:	Sub County	non DHIS/Program data	
6	Custom: Number of new policies developed with USG assistance to improve access and use of FP/RH, MCH and Nutrition services, by stage of development:	National	non DHIS/Program data	
7	Custom: Number of new Guidelines or Strategic Plans developed with USG assistance to	National	non DHIS/Program data	
4.3. FPRH				15

Malaria

Malaria Indicators

Table 4.4: Malaria

#	Indicator Name	Re- porting Level	DHIS2 Refer- ence	Indicator Calcula- tion
1	Number of artemisinin-based combination therapy (ACT) treatments purchased with USG funds	National	non DHIS/Program data	.
2	Number of artemisinin-based combination therapy (ACT) treatments purchased in any fiscal year with USG funds that were distributed in this reported fiscal year	County	non DHIS/Program data	
3	Number of malaria rapid diagnostic tests (RDTs) purchased with USG funds	National	non DHIS/Program data	
4	Number of rapid diagnostic tests (RDTs) purchased in any fiscal year with USG funds that were distributed in this reported fiscal year	County	non DHIS/Program data	
5	Number of insecticide treated (ITNs) purchased with USG funds	National	non DHIS/Program data	
6	Number of insecticide treated nets (ITNs) purchased in any fiscal year with USG funds that were distributed in this reported fiscal year.	County	non DHIS/Program data	
7	Number of houses sprayed with IRS with USG funds	Sub- county	non DHIS/Program data	
8	Total number of residents of sprayed houses	Sub- county	non DHIS/Program data	

WASH

Water and Sanitation indicators

Table 4.5: WASH

#	Indicator Name	Report- ing Level	DHIS2 Reference	Indicator Calcula- tion
1	Standard: 3.1.8.1-2 Number of people in target areas gaining access to improved drinking water supply	Sub- county	non DHIS/Program data	.
2	Standard: 3.1.8.2-2 Number of people in target areas gaining access to improved sanitation facilities as a result of USG assistance	Sub- county	non DHIS/Program data	
3	Standard: 3.1.8.2-3 Number of improved toilets provided in institutional settings	Ward	non DHIS/Program data	
4	Standard: 3.1.6.8-5 Number of communities certified as “open defecation free” as a result of USG assistance.	Ward	non DHIS/Program data	
5	Standard: 3.1.6.8-4 Number of liters of drinking water disinfected with point-of-use treatment products	National	non DHIS/Program data	
6	Standard: 3.1.6.8-1 Percentage of households with soap and water at a handwashing station commonly used by family members	Ward	non DHIS/Program data	

Training

Training indicators

Table 4.6: Training

#	Indicator Name	Re- porting Level	DHIS2 Refer- ence	Indicator Calcula- tion
1	Number of people trained in malaria treatment or prevention	Sub- County	None	None
2	Number of people trained in Malaria monitoring and evaluation with USG assistance	Sub- County	None	None
3	Number of people trained in maternal and/or newborn health and nutrition care through USG-supported program	Sub- County	None	None
4	Number of people trained in child health care and nutrition through USG-supported health area programs	Sub- County	None	None
5	Number of people trained in Maternal and Child Health monitoring and evaluation with USG assistance	Sub- County	None	None
6	Number of people trained in FP/RH with USG funds	Sub- County	None	None
7	Number of people trained in Family Planning and Reproductive Health monitoring and evaluation with USG assistance	Sub- County	None	None
8	Number of individuals trained to implement improved sanitation methods	Sub- County	None	None
9	Nutrition: Number of Community health workers trained in child health and/or nutrition	Sub- County	None	None
10	H2.1D: Number of new health care workers who graduated from a preservice training institution	Sub- County	None	None
11	Custom: Total number of CHWs trained in family planning counselling services through USG supported programs	Sub- County	None	None
12	Custom: Total number of health workers trained in commodity management through USG supported programs	Sub- County	None	None
13	MCH-Custom: Number of health service providers trained in maternal and/or newborn health and nutrition care through USG supported program	Sub- County	None	None
14	MCH-Custom: Total number of Community Health Workers (CHWs) trained in maternal and/or newborn health through USG supported programs	Sub- County	None	None
15	FPRH-Custom: Total number of health workers trained in FP/RH through in-service training	Sub- County	None	None
16	Malaria-Number of health workers trained in malaria laboratory diagnostics (rapid diagnostic tests (RDTs) or microscopy) with USG funds	Sub- County	None	None
17	Malaria-Number of people trained with USG funds to deliver indoor residual spraying (IRS)	Sub- County	None	None
18	Malaria-Number of health workers trained in intermittent preventive treatment in pregnancy(IPTp) with USG funds	Sub- County	None	None
19	H2.2.D: Number of community health and parasocial workers who successfully completed a preservice training program	Sub- County	None	None
20	H2.3.DMC: Number of health care workers who successfully completed an inservice training program Male Circumcision	Sub- County	None	None
21	H2.3.DPT: Number of health care workers who successfully completed an inservice training program Pediatric Treatment	Sub- County	None	None
22	H2.3.D: Number of health care workers who successfully completed an inservice training program TOTAL	Sub- County	None	None

Programs

To navigate to the JPHES programs app, search for *JPHES Program Management* on the search bar then click on it.

Note: functionalities available are based on user roles.

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 data elements.
- View program indicators.

Fig-Pop-up menu on the program list.

Fig-JPHES program list.

Creating a Program

To display the program creation page, click on the *add 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/indicators for the program.

Fig-Add Program Page

JPHER

JPHER

Search apps

aa

All Programs

All Programs

Program ?

Name	Code	Created	Last Updated
Prevention of Mother to Child Treatment		2017-02-01	2017-02-01

No. of pages: 1

No. of rows

Jump to page:

« « 1 » »

View Data Elements

View Indicators

Edit

Remove

Show details

JPHER

JPHER

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aa

All Programs

All Programs

Program ?

Name	Code	Created	Last Updated
Prevention of Mother to Child Treatment		2017-02-01	2017-02-01

No. of pages: 1

No. of rows per page:

Jump to page:

« « 1 » »

JPHEs
JPHEs

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Add Program

Details

Name *
Prevention of Mother to Child Treatment

Short Name *
PMCT

Code

Description
Prevention of Mother to Child Treatment

Data Elements

pmt
Filter Clear

New patients enrolled whin the month for HIV care through PMTCT

>
<
>>
<<

Total PMTCT prophylaxis
Total Positive (PMTCT)
Total Tested (PMTCT)

Filter
Filter Clear

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Data Elements

pmt
Filter Clear

New patients enrolled whin the month for HIV care through PMTCT

>
<
>>
<<

Total PMTCT prophylaxis
Total Positive (PMTCT)
Total Tested (PMTCT)

Indicators

Filter
Filter Clear

DPT/Hep+Hib3 dropout rate
DPT+HIB+HEP B Wastage Rate (WR)
Inpatient Death Rate- Nutrition
Inpatient Recovery rate -Nutrition
IP Defaulter Rate-Nutrition
IPV Wastage Rate (WR)
Measles dropout rate
Number of Pregniant women given Tetanus Toxoid (3+ dose)
Number of Women of reproductive age (WRA) receiving family planning (FP) corn
OPV 1 Coverage
OPV 2 Coverage
OPV 3 Coverage
OPV birth dose coverage

>
<
>>
<<

Number of Pregniant women given Tetanus Toxoid (1st dose)
Number of Pregniant women given Tetanus Toxoid (2nd dose)

Add Cancel

Edit Program

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

The screenshot shows the 'Edit Program' interface in JPHES. The top navigation bar is green and contains the JPHES logo, the text 'JPHES', a search bar labeled 'Search apps', and a user profile icon labeled 'aa'. The main content area is titled 'Edit Program' and includes a sidebar with navigation icons. The 'Details' section contains input fields for 'Name' (Prevention of Mother to Child Treatment), 'Short Name' (PMCT), 'Code', and 'Description' (Prevention of Mother to Child Treatment). Below this is a 'Data Elements' section with a list of elements and a filter box. The list includes: Abortion, Adolescent (10-19yrs) accessing PAC services, Adolescent (10-19yrs) Maternal deaths, Adolescent Family planning uptake 10-14 yrs, Adolescent Family planning uptake 15-19 yrs, Adolescent Issues, Adolescents (10-14 years) presenting with pregnancy, adolescents (15-19 years) presenting with pregnancy, Adverse Events Following Immunization(AEFI), Alcohol and Drug Abuse, All other diseases, All others currently on ARVs, and All others CD. To the right of the list are navigation buttons: '>', '<', '>>', and '<<'. Below the list is another filter box with 'Filter', 'Filter', and 'Clear' buttons. On the far right, a summary box displays 'Total Positive (PMTCT)', 'Total Tested (PMTCT)', and 'Total PMTCT prophylaxis'.

Fig- Program Edit Page

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 indicators.

Fig. Show Program Details.

View Program Data Elements

On selecting the *view dataelements* option on the pop-up menu. It displays the data elements assigned to the program.

Fig. Program Data elements.

View Program Indicators

On selecting the *view indicators* option on the pop-up menu. It displays the indicators assigned to the program.

Fig. Program Indicators

JPHEs
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All Programs
All Programs

Program ?

Name	Code	Created	Last Updated
Prevention of Mother to Child Treatment		2017-02-01	2017-02-01

No. of pages: 1
No. of rows per page: 50
Jump to page: 1

« « 1 » »

Name:
Prevention of Mother to Child Treatment

Short Name:
PMCT

Code:

Description:
Prevention of Mother to Child Treatment

UID:
DpAHpyY7CAw

No. of Data Elements:
3

No. of Indicators:
2

DataElement Group:
Prevention of Mother to Child Treatment

Indicator Group:
Prevention of Mother to Child Treatment

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Data Elements for - Prevention of Mother to Child Treatment ?

Name	Code	Create Date	Last Updated
Total PMTCT prophylaxis	HV02-17	2011-09-09	2017-01-31
Total Positive (PMTCT)		2011-09-09	2017-01-31
Total Tested (PMTCT)		2011-09-09	2017-01-31

No. of pages: 1
No. of rows per page: 50
Jump to page: 1

« « 1 » »

JPHEs

Search apps

aa

All Programs

All Programs

Indicators for - Prevention of Mother to Child Treatment ?

Name	Code	Create Date	Last Updated
Number of Pregnant women given Tetanus Toxoid (1st dose)		2013-02-26	2017-01-31
Number of Pregnant women given Tetanus Toxoid (2nd dose)		2013-02-26	2017-01-31

No. of pages: 1

No. of rows per page: 50

Jump to page: 1

Go

« « 1 » »

CHAPTER 6

Hierarchy

To navigate to the hierarchy app, search for *JPHES Hierarchy* on the search bar then click on it.

Note: functionalities available are based on user roles.

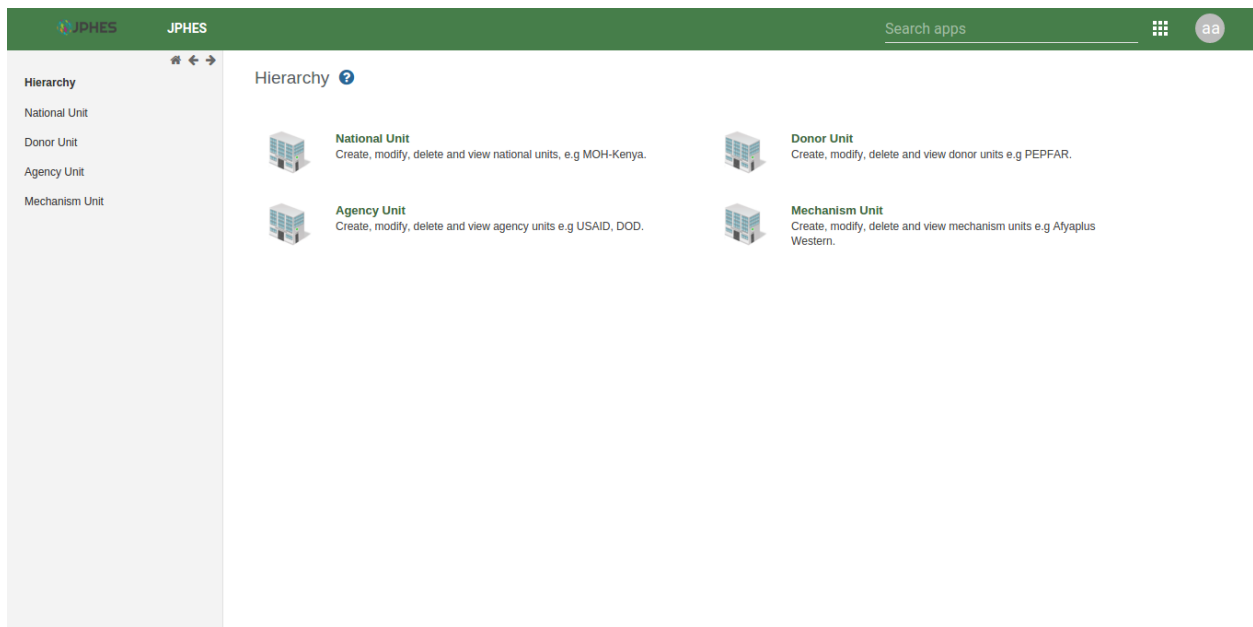


Fig -JPHEs Hierarchy units.

National Unit Level

Create and update national unit, and to create/update donor units.

List of National Unit

Note: To display the pop-out menu(with options e.g update, view assigned programs, show details) click on a specific unit in the list.

Fig -list of national units.

Add National Unit

Note: Must provide supported programs.

Fig -Add a National Unit.

National Unit Details

Click on the *show details* option in the menu popup.

Fig -National Unit details.

Assigned National Unit Programs

Click on the *assigned programs* option in the menu popup.

Fig -National Unit Programs.

JPHES

JPHES

Search apps

aa

Hierarchy

National Unit

Donor Unit

Agency Unit

Mechanism Unit

National Unit

Filter by name

Filter

Clear

Add new

Name	Short Name	Code	Last Updated
MOH Kenya	MOH Kenya		2017-02-01

No. of pages: 1

No. of rows per page: 10

Jump to page: 1

Go

« « 1 » »»

Name:

MOH Kenya

Code:

No. of Programs:

2

No. of Donors:

1

ID:

aGOwgGasV79

UserGroup:

MOH Kenya

Donor GroupSet:

A. Donor Units-MOH Kenya

Agency GroupSet:

B. Agency Units-MOH Kenya

Mechanism Category:

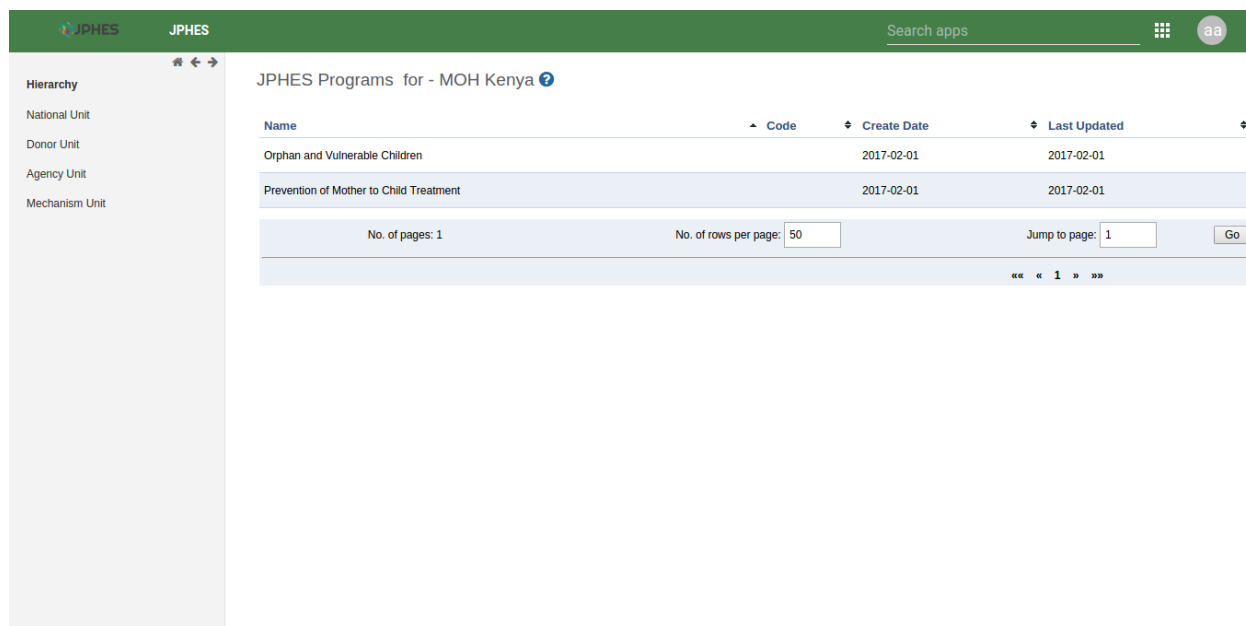
C. Mechanism Units-MOH Kenya

Mechanism CategoryCombo:

MechanismUnit Combo-MOH Kenya

API Link:

../api/nationalUnits/aGOwgGasV79



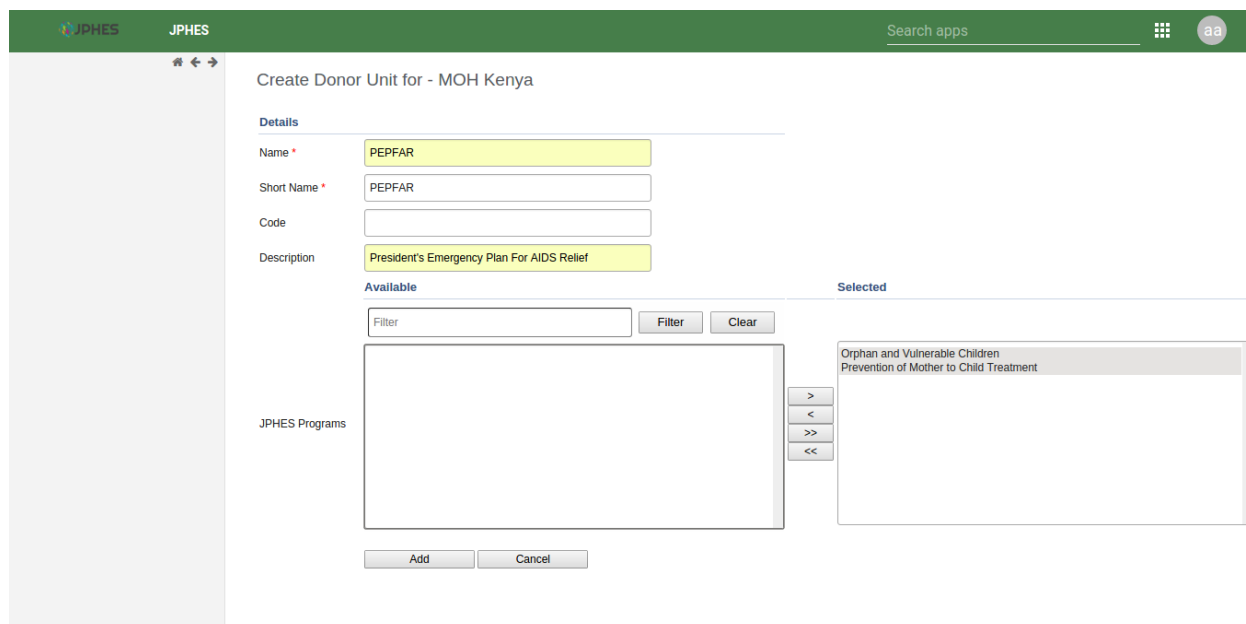
The screenshot shows the JPHEs interface with a sidebar on the left containing a 'Hierarchy' menu with options: National Unit, Donor Unit, Agency Unit, and Mechanism Unit. The main content area is titled 'JPHEs Programs for - MOH Kenya'. It displays a table with columns: Name, Code, Create Date, and Last Updated. The table contains two rows of data. Below the table, there are pagination controls: 'No. of pages: 1', 'No. of rows per page: 50', and 'Jump to page: 1' with a 'Go' button. At the bottom right of the table area, there are navigation icons: « « 1 » ».

Name	Code	Create Date	Last Updated
Orphan and Vulnerable Children		2017-02-01	2017-02-01
Prevention of Mother to Child Treatment		2017-02-01	2017-02-01

Add a Donor Unit to a National Unit

Click on the *add donor unit* option in the pop-up menu on the national unit.

Note: Provide the supported programs by the donor unit.



The screenshot shows the 'Create Donor Unit for - MOH Kenya' form. The form has a 'Details' section with fields for Name, Short Name, Code, and Description. The 'Name' field contains 'PEPFAR', 'Short Name' contains 'PEPFAR', and 'Description' contains 'President's Emergency Plan For AIDS Relief'. Below the 'Details' section, there are two panes: 'Available' and 'Selected'. The 'Available' pane has a 'Filter' input field and a list of 'JPHEs Programs'. The 'Selected' pane shows a list of programs: 'Orphan and Vulnerable Children' and 'Prevention of Mother to Child Treatment'. Between the panes are navigation buttons: '>', '<', '>>', and '<<'. At the bottom of the 'Available' pane are 'Add' and 'Cancel' buttons.

Fig -Adding a donor unit to a national unit.

Donor Unit Level

List of Donor

Note: To display the pop-out menu(with options e.g add agency and show details) click on the donor unit in the list.

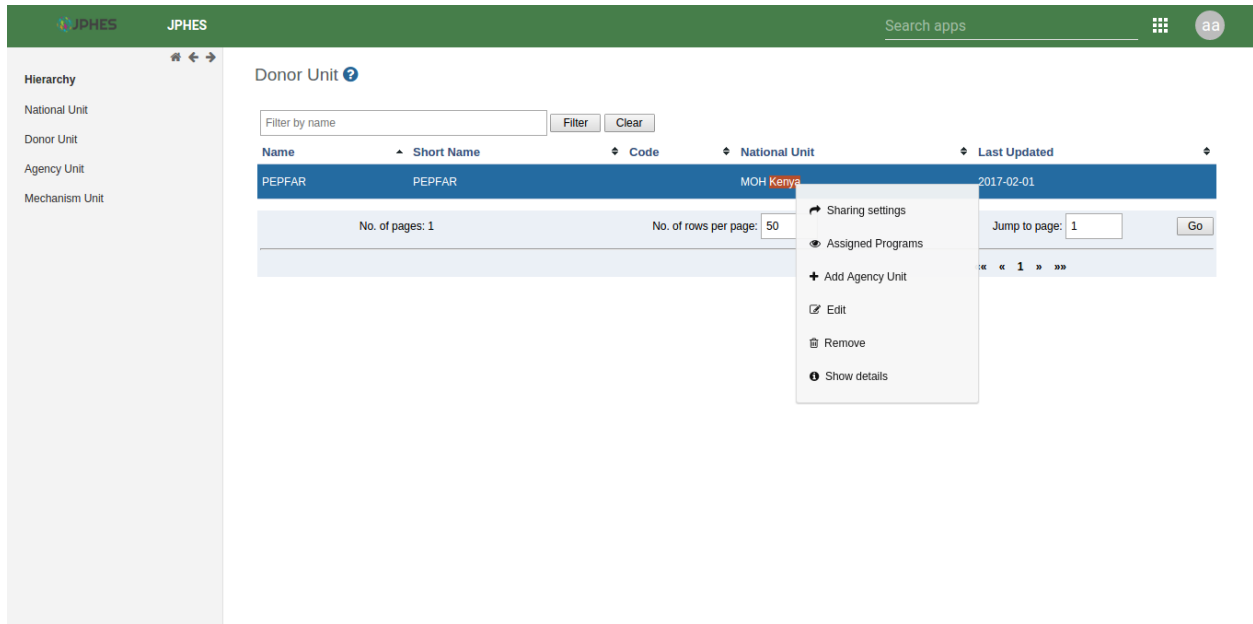


Fig -list of donors.

Add an Agency to a Donor Unit

Click on the *add agency* option in the menu popup.

Note: Must provide programs supported by the agency.

Fig - Adding an agency to a selected donor unit

Assigned Donor Unit Programs

Click on the *assigned programs* option in the menu popup.

Fig - Donor Unit Programs.

Donor Details

Click on the *show details* option in the menu popup.

Fig -Viewing donor details.

JPHER

JPHER

Search apps

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Create Agency Unit for - PEPFAR

Details

Name *

USAID

Short Name *

USAID

Code

Description

US Agency for International Development

Available

Filter

Filter

Clear

JPHER Programs

Add

Cancel

Selected

Orphan and Vulnerable Children
Prevention of Mother to Child Treatment

>

<

>>

<<

JPHES

JPHES

Search apps

aa

Hierarchy

National Unit

Donor Unit

Agency Unit

Mechanism Unit

JPHES Programs for - PEPFAR ?

Name	Code	Create Date	Last Updated
Orphan and Vulnerable Children		2017-02-01	2017-02-01
Prevention of Mother to Child Treatment		2017-02-01	2017-02-01

No. of pages: 1

No. of rows per page:

Jump to page:

Go

« « 1 » »

The screenshot shows the JPHES interface for the Donor Unit. The left sidebar lists the hierarchy: National Unit, Donor Unit, Agency Unit, and Mechanism Unit. The main area displays a table of Donor Units. The table has columns for Name, Short Name, Code, National Unit, and Last Updated. The first entry is PEPFAR, with a short name of PEPFAR, code MOH Kenya, and last updated on 2017-02-01. Below the table are pagination controls: No. of pages: 1, No. of rows per page: 10, and Jump to page: 1. A detailed view on the right shows the following information:

- Name:** PEPFAR
- Code:**
- No. of Programs:** 2
- No. of Agencies:** 1
- ID:** bpmTHAaq6PX
- UserGroup:** PEPFAR
- CategoryOptionGroup:** PEPFAR
- National Unit:** MOH Kenya
- API Link:** ../api/donorUnits/bpmTHAaq6PX
- Create Date:** 2017-02-01

Agency Unit Level

Create/update mechanism units.

List of Agency Unit

Note: To display the pop-out menu(with options e.g add mechanism, show details) click on an agency unit in the list.

The screenshot shows the JPHES interface for the Agency Unit. The left sidebar lists the hierarchy: National Unit, Donor Unit, Agency Unit, and Mechanism Unit. The main area displays a table of Agency Units. The table has columns for Name, Short Name, Code, Donor Unit, and Last Updated. The first entry is USAID, with a short name of USAID, code PEPFAR, and last updated on 2017-02-01. Below the table are pagination controls: No. of pages: 1, No. of rows per page: 10, and Jump to page: 1. A detailed view on the right shows the following information:

- Name:** USAID
- Code:**
- No. of Programs:** 2
- No. of Mechanisms:** 1
- ID:** uyulEAEVVqD
- UserGroup:** USAID
- CategoryOptionGroup:** USAID
- Donor Unit:** PEPFAR
- API Link:** ../api/agencyUnits/uyulEAEVVqD
- Create Date:** 2017-02-01

Fig -list of agency units.

Add Mechanism to an Agency

Click on the *add mechanism* option in the menu popup.

Note: Must provide programs supported by the mechanism.

The screenshot shows the 'Create Mechanism Unit for - USAID' form in the JPHES application. The form is divided into two main sections: 'Details' and 'Available/Selected'. The 'Details' section contains input fields for Name, Short Name, Partner(IP), Code, Description, Start Date, and End Date. The 'Available' section shows a list of programs, including 'Orphan and Vulnerable Children'. The 'Selected' section shows a list of programs, including 'Prevention of Mother to Child Treatment'. Navigation buttons are located between the two lists.

Fig -Adding a Mechanism to an agency unit

Assigned Agency Unit Programs

Click on the *assigned programs* option in the menu popup.

Fig - Agency Unit Programs.

Agency Details

Click on the *show details* option in the menu popup.

Fig -View agency details.

Mechanism Unit Level

View details, programs and organisation units of the mechanism units

List of Mechanism Unit

Note: To display the pop-out menu(with options e.g show details) click on mechanism unit in the list.

JPHEs

Search apps

Hierarchy
National Unit
Donor Unit
Agency Unit
Mechanism Unit

JPHEs Programs for - USAID

Name	Code	Create Date	Last Updated
Orphan and Vulnerable Children		2017-02-01	2017-02-01
Prevention of Mother to Child Treatment		2017-02-01	2017-02-01

No. of pages: 1
No. of rows per page:
Jump to page:

« « 1 » »

JPHEs

Search apps

Hierarchy
National Unit
Donor Unit
Agency Unit
Mechanism Unit

Agency Unit

Name	Short Name	Code	Donor Unit	Last Updated
USAID	USAID		PEPFAR	2017-02-01

No. of pages: 1
No. of rows per page:
Jump to page:

« « 1 » »

Name: USAID
Code:
No. of Programs: 2
No. of Mechanisms: 1
ID: uyulEAEVVqD
UserGroup: USAID
CategoryOptionGroup: USAID
Donor Unit: PEPFAR
API Link: ../api/agencyUnits/uyulEAEVVqD
Create Date: 2017-02-01

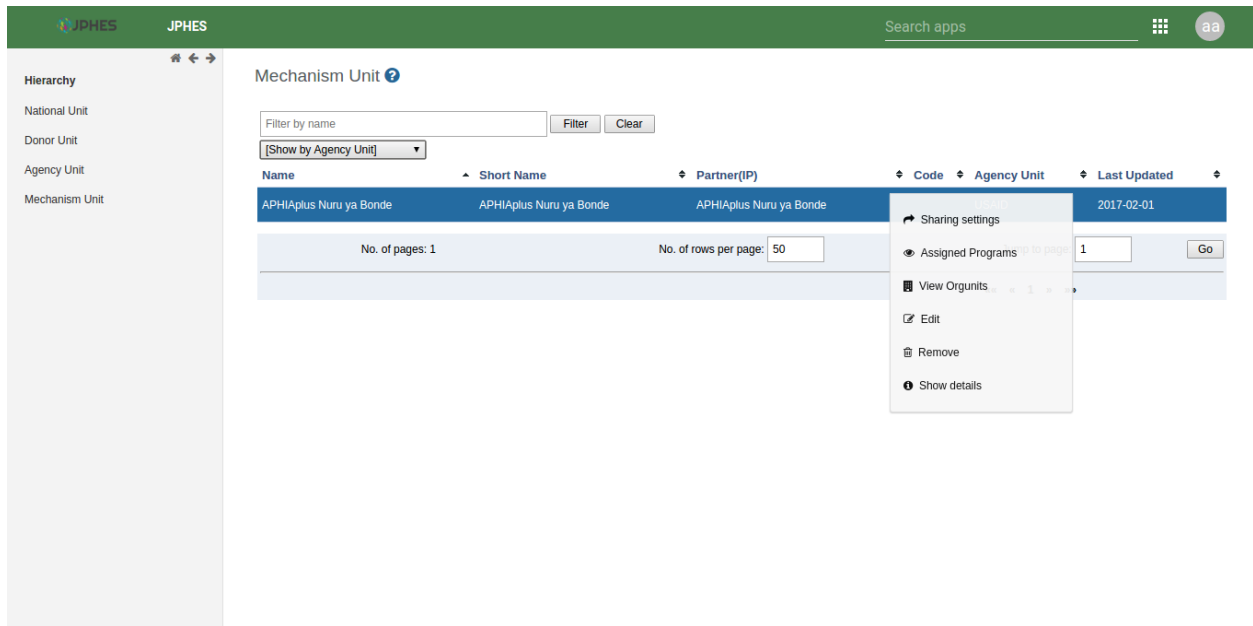


Fig -list of mechanism units.

Mechanism Details

Click on the *show details* option in the menu popup.

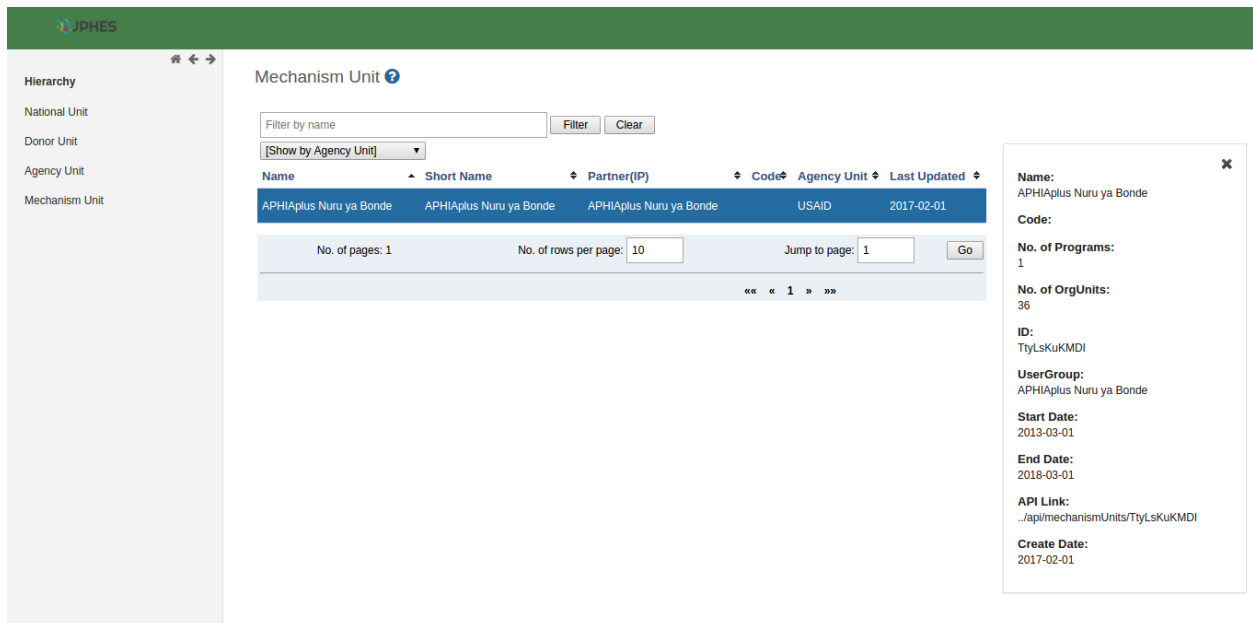


Fig -Mechanism details.

Mechanism Programs

Click on the *assigned programs* option in the menu popup.

Name	Code	Create Date	Last Updated
Prevention of Mother to Child Treatment	2017-02-01	2017-02-01	

No. of pages: 1 No. of rows per page: 50 Jump to page: 1 Go

Fig -Mechanism programs.

Mechanism Orgunits

Click on the *view mechanism orgunits* option in the menu popup.

Name	Short Name	Code	Hierarchy Level	Create Date	Last Updated
Atya Medical Clinic (Mbaruk)	Atya Medical Clinic (Mbaruk)	20265	5	2017-01-31	2017-01-31
A.I.C Ebenezer	A.I.C Ebenezer	17582	4	2017-01-31	2017-01-31
Bahati District Hospital	Bahati District Hospital	14224	5	2017-01-31	2017-01-31
Bomet County	Bomet County	12	2	2017-01-31	2017-01-31
Camp Brethren Medical Clinic	Camp Brethren MC	14278	5	2017-01-31	2017-01-31
Goshieni Medical Clinic	Goshieni Medical Clinic	14533	5	2017-01-31	2017-01-31
Nacoharg Medical Centre	Nacoharg Medical Centre	15272	5	2017-01-31	2017-01-31
NYS Karate Dispensary	NYS Karate Dispensary	15380	5	2017-01-31	2017-01-31
Oi-Jorai Dispensary	Oi-Jorai Dispensary	15406	5	2017-01-31	2017-01-31
Valley Hospital	Valley Hospital	15764	5	2017-01-31	2017-01-31

No. of pages: 4 No. of rows per page: 10 Jump to page: 1 Go

Fig -Organisation units supported.

JPHES contains the following datasets, categorized here by their level of reporting

National Level

- Family Planning and Reproductive Health Target
- Family Planning and Reproductive Health Narrative
- Malaria Narrative
- Malaria Target
- Maternal and Child Health Narrative
- Maternal and Child Health Target
- National Performance
- Nutrition Narrative
- Nutrition Target
- WASH Narrative
- Wash Target
- Training

County Level

- County Performance
- Family Planning and Reproductive Health Target
- Family Planning and Reproductive Health Narrative

- Malaria Narrative
- Malaria Target
- Maternal and Child Health Narrative
- Maternal and Child Health Target
- Nutrition Narrative
- Nutrition Target
- Wash Target
- Training

Ward Level

- WASH Narrative
- WASH Performance

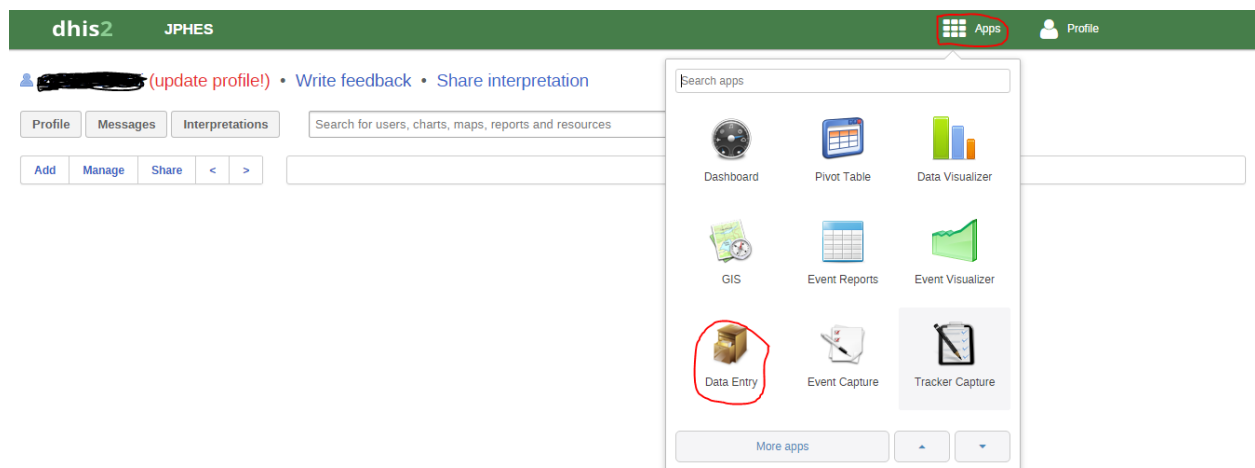
Facility Level

- Malaria
- Family Planning and Reproductive Health Performance
- Maternal and Child Health Performance
- Nutrition Performance

CHAPTER 8

Data Entry

The JPHES data entry module is designed in such a way that an Implementing Partner can only enter their data. Data entry in JPHES is done as per the level of the dataset, that is National, County, Ward and Facility. After logging into the system, hover mouse pointer / click on the *Apps* icon on the far left as shown on the figure below. On the dropdown that appears, click on *Data Entry* icon.



This navigates to the data entry page, as shown on the figure below. For data entry forms to appear, you will be required to first select an organization unit/facility you are reporting for on the left panel, the dataset, reporting period and the implementing partner you are reporting for, which comes up after selecting the *organization unit*, *Dataset* and *period* that the user is reporting for.

The screenshot shows the JPHES Data Entry interface. On the left is a sidebar with a tree view of Kenya's counties. The main area is titled 'Data Entry' and contains a form with the following fields:

- Organisation Unit: Kenya
- Data Set: [Select data set]
- Period: [Select period]

Buttons for 'Run validation', 'Print form', and 'Print blank form' are located on the right. A status bar at the top right indicates 'Kenya - No Period Selected - No Data Element Selected'.

Data Entry Forms

Below are sample screenshots for different data entry forms;

1. Facility Level

Nutrition Performance Dataset

The screenshot shows the JPHES Data Entry interface for the Nutrition Performance Dataset. The sidebar on the left shows a tree view of the facility hierarchy, with 'Family Health Options Kenya' selected. The main area is titled 'Data Entry' and contains a form with the following fields:

- Organisation Unit: Family Health Options Kenya
- Data Set: Nutrition Performance
- Period: April - September 2016

Buttons for 'Run validation', 'Print form', and 'Print blank form' are located on the right. A status bar at the top right indicates 'Family Health Options Kenya - April - September 2016 - No Data Element Selected'.

Below the form is a table titled 'Nutrition -Performance' with two columns: 'Indicator' and 'Result'.

Indicator	Result
Custom: Total number of children under five years	<input type="text"/>
Standard: 3.1.9-15 Number of children (under 5 yrs) reached by USG-supported nutrition programs	<input type="text"/>
Custom: Number of children under five who are wasted	<input type="text"/>
Custom: Number of children under five who are Underweight	<input type="text"/>
Standard: 3.1.9.2-3 Number of children under 5 years of age who received Vitamin A from USG-supported programs	<input type="text"/>

2. Ward Level

Wash Performance Dataset

JPHEs JPHEs Search apps

Kenya

- Baringo County
- Bomet County
- Bungoma County
- Busia County
- Elgeyo-Marakwet County
- Embu County
- Garissa County
- Homa Bay County
 - Homa Bay Township
 - Homabay Arujo Ward**
 - Family Health Options Keny
 - Homa Bay Community Medi
 - Miniambo Dispensary
 - Homabay Central Ward
 - Homabay East Ward
 - Homabay West Ward
 - Kabondo Kasipul Sub County
 - Kasipul Sub County
 - Mbita Sub County
 - Ndhiwa Sub County
 - Rachuonyo North Sub County
 - Rangwe Sub County
 - Suba Sub County
 - Isiolo County

Data Entry ?

Homabay Arujo Ward - October 2016 - March 2017 - No Data Element Selected

Organisation Unit: Homabay Arujo Ward

Data Set: WASH Performance

Period: October 2016 - March 2017 Prev year Next year

Run validation Print form Print blank form

WASH Performance	
Indicator	Result
Standard: 3.1.8.1.2 Number of people in target areas gaining access to improved drinking water supply	
	Males
	Females
Standard: 3.1.8.2.2 Number of people in target areas gaining access to improved sanitation facilities as a result of USG assistance (NOTE - SHOULD NOT INCLUDE NUMBERS FROM SCHOOLS AND HEALTH FACILITIES)	
	Males

3. County Level

County Performance Datasets

JPHEs JPHEs Search apps

Kenya

- Baringo County
- Bomet County
- Bungoma County
- Busia County
- Elgeyo-Marakwet County
- Embu County
- Garissa County
- Homa Bay County
- Isiolo County
- Kajiado County**
 - Kakamega County
 - Kericho County
 - Kiambu County
 - Kilifi County
 - Kirinyaga County
 - Kisumu County
 - Kitui County
 - Kwale County
 - Lakipia County
 - Lamu County
 - Machakos County
 - Makueni County
 - Mandera County
 - Marsabit County

Data Entry ?

Kajiado County - October 2016 - March 2017 - No Data Element Selected

Organisation Unit: Kajiado County

Data Set: County Performance

Period: October 2016 - March 2017 Prev year Next year

Run validation Print form Print blank form

Nutrition indicators MCH indicators FP_RH indicators **Malaria indicators**

Malaria Performance	
3.1.3.1-4	Number of artemisinin-based combination therapy (ACT) treatments purchased in any fiscal year with USG funds that were distributed in this reported fiscal year
3.1.3.1-8	Number of rapid diagnostic tests (RDTs) purchased in any fiscal year with USG funds that were distributed in this reported fiscal year
	Number of insecticide treated nets (ITNs) purchased in any fiscal year with USG funds that were distributed in this reported fiscal year.
	Through campaigns

4. National Level

National Performance Datasets

JPHEs

JPHEs

Search apps

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Kenya

Baringo County

Bomet County

Bungoma County

Busia County

Elgeyo-Marakwet County

Embu County

Garissa County

Homa Bay County

Isiolo County

Kajiado County

Kakamega County

Kericho County

Kiambu County

Kilifi County

Kirinyaga County

Kisii County

Kisumu County

Kitui County

Kwale County

Lakipia County

Lamu County

Machakos County

Makueni County

Mandera County

Data Entry

Organisation Unit

Kenya

Data Set

National Performance

Period

October 2016 - March 2017

Prev year

Next year

Kenya - October 2016 - March 2017 - No Data Element Selected

Run validation

Print form

Print blank form

FP_RH Indicators

Malaria Indicators

WASH

Family Planning and Reproductive Health -National

Custom: Number of new policies developed with USG assistance to improve access and use of FP/RH, MCH and Nutrition services, by stage of development:		
Custom: Number of new Guidelines or Strategic Plans developed with USG assistance to improve access to and use of FP/RH:		
Custom: Number of policies or guidelines developed or changed to improve access to and use of FP/RH services :		
Custom: Percent increase on contraceptive commodity reporting rates		

Pivot Table Analysis

The pivot table app enables users to create pivot tables, using all available data dimensions in JPHEs. A pivot table is a dynamic tool for data analysis which lets you quickly summarize and arrange data according to its dimensions. Examples of data dimensions in JPHEs are data dimension itself (e.g data elements, indicators and events), periods (representing the time period for which the data represents) and the organisational hierarchy (representing the geographical location of the data). From these dimensions you can freely select dimension items to include in the pivot table. Additional dimensions can be created in JPHEs, using the group set functionality, to allow for different aggregation pathways, such as aggregation by “Partner” or facility type. A pivot table can arrange data dimensions on columns, rows, and as filters. When you place a data dimension on columns, the pivot table will display one column per dimension item. If you place multiple data dimensions on columns, the pivot table will display one column for all combinations of the items in the selected dimensions. When you place a data dimension on rows, the pivot table will display one row per dimension item in a similar fashion. The dimensions you select as filters will not be included in the pivot table, but will aggregate and filter the table data based on the selected filter items. The work-flow for creating a simple pivot table is: * Select dimension items in the left menu, for instance a few data elements or indicators. * Click “Layout” on the top menu and arrange the data dimensions as columns, rows, and filters. You can leave the selection as it is if desired. * Click “Update”. A pivot table similar as below will be displayed. Notice how indicators are listed on columns and periods as rows.

Period / Data	Diabetes	Diarrhoea	Dysentery (Bloody Diarrhoea)	Total
2016	18 739	148 369	4 489	171 597
Total	18 739	148 369	4 489	171 597

Reports

Reports functionality can be accessed by clicking on Apps -> More apps -> Reports or by clicking on Apps then searching for Reports on the search bar.

There are two main types of reports than can be generated from JPheS; Dataset Reports and Standard reports:

Dataset Reports

Dataset reports are printer friendly views of the data entry screen filled with either raw or aggregated data. These are only available for data sets that have custom data entry forms and not for default or section forms. You can access data set reports from *Apps->Reports*. A Criteria window will appear where you fill in the details for your report: * **Dataset:** The data set you want to display. * **Reporting period:** The actual period you want data for. This can be

aggregated as well as raw periods. This means that you can ask for a quarterly or annual report even though the data set is collected monthly. A data set's period type (collection frequency) is defined in data set maintenance. First select the period type (Monthly, Quarterly, Yearly etc.) in the drop down next to Prev and Next buttons, and then select one of the available periods from the dropdown list below. Use Prev and Next to jump one year back or forward. * **Use data for selected unit only:** Use this option if you want a report for an orgunit that has children, but only want the data collected directly for this unit and not the data collected by its children. If you want a typical aggregated report for an orgunit you do not want to tick this option. * **Reporting Organisation unit:** Here you select the orgunit you want the report for. This can be at any level in the hierarchy as the data will be aggregated up to this level automatically (if you do not tick the option above). When you are done filling in the report criteria you click on * **Generate** *. The report will appear as HTML in a printer-friendly format. Use the print and save as functions in the browser to print or save (as HTML) the report. You can also export the data set report in Excel and PDF formats. Below is a sample dataset report layout:

The screenshot shows the dhis2 JPHES interface. The top bar has 'dhis2' and 'JPHES' logos, and 'Apps' and 'Profile' links. The left sidebar contains a 'Report' menu with options: Standard Report, Data Set Report, Reporting Rate Summary, Resource, Organisation Unit Report, Data Approval, Report Table, Analytics and Data Mart, and Analytics and Data Mart. The main content area is titled 'Data Set Report' with a help icon. Below the title are buttons for 'Data criteria', 'Download as Excel', 'Download as PDF', and 'Print'. The report is for 'Kenya - Jan to Mar 2016'. There is a text input field for 'Write a comment, question or interpretation of this report' and a 'Share' button. The report content is titled '3.1.3 Malaria' and lists several metrics:

3.1.3 Malaria	
Number of ITNs distributed that were purchased or subsidized with USG support	
Number of houses sprayed with insecticide with USG support	
Number of people trained in malaria treatment or prevention	
Number of Male	
Number of Female	

Standard Reports

You access the available reports by navigating to Apps->Reports. In the report menu in the left bar, click Standard Report. A list of all pre-defined reports will appear in the main window.

Report

Standard Report

Data Set Report

Reporting Rate Summary

Resource

Organisation Unit Report

Data Approval

Report Table

Analytics and Data Mart

Analytics and Data Mart

Standard Report ?

Name

County Training

FPRH

Malaria Report

MCH Report

Nutrition Report

WASH Report

No. of pages: 1

No. of rows per page:

Jump to page:

« « 1 » »

You run/view a report by clicking on the name of the report and then selecting “Create” from the contextual menu. If there are any pre-defined parameters, you will see a report parameter window where you must fill in the values needed for orgunit and/or reporting month, depending on what has been defined in the underlying report table(s). Click on “Get Report” when you are ready. The report will either appear directly in your browser or be available as a PDF file for download, depending on your browser settings for handling PDF files. You can save the file and keep it locally on your computer for later use.

CHAPTER 10

Appendix 1: References

1. The DHIS2 user manual
2. The DHIS2 Implementer Guide
3. The Consistency and Concurrency Between the KePMS and DHIS2
4. PHES-Data Management (Panafric Presentation) 10/02/2017
5. PPR17-Indicator Narrative Revised