



**World Health  
Organization**

# **EARLY WARNING AND RESPONSE NETWORK SYSTEM**

---

Version 1.0

**USERS' MANUAL**

## Contents

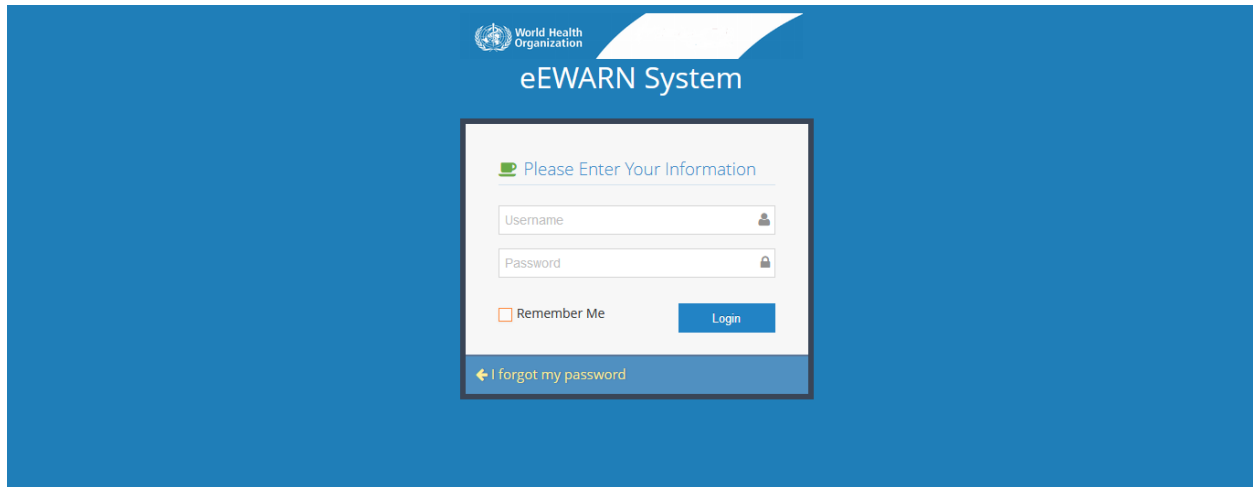
1. Login in.....	3
2. Dashboard .....	3
3. Data collection.....	5
3.1 Add new form.....	5
a) Second level health facility access.....	5
b) Third level health facility access .....	6
c) Fourth level health facility access.....	6
d) Capturing health events under surveillance.....	6
3.2 Edit form .....	7
3.3 Data list.....	9
a) Searching for forms .....	9
b) View and/or edit form .....	10
3.4 Daily/Emergency alerts .....	12
a) Adding emergency alerts .....	12
b) Verifying emergency alerts .....	12
4. Data management.....	14
4.1 Validate data .....	14
4.2 Validate data .....	15
4.3 List alerts.....	16
5. Reports.....	19
5.1 Information resources.....	19
a) Adding an information resource.....	19
b) Editing information resources .....	20
5.2 Weekly disease cases .....	21
5.3 Weekly disease alerts.....	22
5.4 Weekly HF alerts/cases .....	23
5.5 Malaria report .....	24
6. Maps .....	26
6.1 Weekly alerts map.....	26
6.2 Full screen.....	27
6.3 Health facilities alerts.....	28



## 1. Login in

To access the system, go to your browser and enter the following URL:

<http://ewarn.emro.who.int/SOM/>. You will be directed to the login page of the EWARN system as seen in the image below.



**Figure 1:** The EWARN system login page

## 2. Dashboard

Once you enter the correct credentials for access, the system will redirect you to the dashboard, see figure 2 below, where you will be presented with a summarized statistics of the data captured in the system based on your user profile.

The dashboard will have a summary of reports and statistical information including:

- Alerts map for the previous week
- Total reported alerts cases for each disease for the previous week
- Percentage of cases by age for the previous week
- Percentage of cases by sex for the previous week
- Weekly disease cases for the previous 10 weeks in table and bar graph format
- Total consultations and number of reporting sites by the previous 10 EPI weeks
- Proportion of cases by EPI week

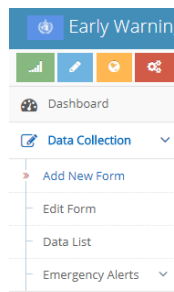


Figure 2: The system dashboard

### 3. Data collection

#### 3.1 Add new form

To capture data in the weekly reporting form, go to the left menu and click on the data collection menu, see figure 3 below.



**Figure 3:** Data collection component menu

Under this menu, click on the add form and you will be directed to the weekly reporting form page. The system has 3 reporting levels based on the countries administrative levels (for example Somalia has Zone as the highest level, region as the second level and district as the third level) and health facility at the lowest reporting level. Data entry is allowed only at the second, third and fourth level of access.

Depending on your access credentials, you should be able to enter the health facility data, see figure 4 (a) to figure 4 (c) below.

#### a) Second level health facility access

A screenshot of a web application's 'Reporting Form' page. The breadcrumb trail at the top shows 'Home > Reporting Form'. Below this, the page title is 'Data Entry > Reporting Form'. The main content area is titled 'At Health Facility level'. It contains several form fields: 'Region:' with a dropdown menu showing 'Region One'; 'State:' with a dropdown menu showing 'State One'; 'County:' with a dropdown menu showing 'Select County'; 'Health Facility:' with a dropdown menu showing 'Select Health Facility'; 'Reporting Year:' with a dropdown menu showing 'Select Year'; 'Week No:' with a dropdown menu showing 'Select Week'; 'Reporting Period:'; 'Reporting Date:' with a text input field showing '2017-08-29'; and 'Reported By:' with a text input field showing 'sudanstate'. There is a search bar at the top right and a settings gear icon at the top right of the form area.

**Figure 4 (a):** Second level health facility access

From figure 4 (a) above, the user is able to select the third administrative level which will give a list of all the health facilities under the selected administrative level from which they can select one health facility that they are reporting for.

### b) Third level health facility access

Data Entry > Reporting Form

At Health Facility level

Region: Region One State: State One

County: County One Health Facility: Select Health Facility

Reporting Year: Select Year Week No: Select Week

Reporting Period:

Reporting Date: 2017-08-29 Reported By: sudancounty

**Figure 4 (b):** Third level health facility access

From figure 4 (b) above, the user is able to select a health facility from a prefilled list of health facilities under their administrative level and enter the disease data.

### c) Fourth level health facility access

At Health Facility level

Region: Region One State: State One

County: County One

Reporting Year: Select Year Week No: Select Week

Reporting Period:

Reporting Date: 2017-08-29 Reported By: sudanhf

Health Facility Name: Sudan HF Contact Number: 123456

Health Facility Code: 002000 Supporting NGO: WHO

**Figure 4 (c):** Fourth level access

From figure four (c) above, the user is limited to their health facility and all the other administrative fields are prefilled and they can only enter reporting year and week information and all the other information is submitted automatically by the system.

### d) Capturing health events under surveillance

Once the health facility and EPI calendar information has been captured, you can proceed to enter the health facility events under surveillance. Scroll down to the form and enter the data as shown in figure 5 below.

### 3.2 Edit form

Health Events Under Surveillance

✖ Note! This is a zero reporting form and all fields are required. In instances where there are no cases please enter zero (0).

Ugonjwa < 5

Male

Female

?

Ugonjwa > 5

Male

Female

Disease One < 5

Male

Female

?

Disease One > 5

Male

Female

Other Unusual Diseases or Deaths

Description

Male

Female

Description

Male

Female

Other Consultations

Male

Female

Total Consultations

CALCULATE

Malaria Tests

Slides/RTD examined:

Falciparum positive:

Vivax positive:

Mixed Positive:

save to draft only

Submit report

**Figure 5:** Capturing health events under surveillance

The reporting for is a zero reporting form meaning all the fields are required. For health events that do not have any data, enter zero. Make sure that you click on the “Calculate” button in order to calculate the total consultations.

The system gives you two options for submissions, you can either save the form as draft and submit it at a later time or submit report and it will be submitted and pushed to the next level for validation. Depending on the alert thresholds reached for each disease, the system will pop up alerts (for diseases that have exceeded the threshold) prompting the user to confirm that the information they entered is correct after which the form will be submitted to the second level of administration for validation.

To access the edit form, go to the data collection menu and select the edit form menu, see figure 3 above. You will be directed to the edit form as shown in figure 6 below.



Edit Data
» Reporting Form

### At Health Facility level

Zones:
Central

Regions:
Banadir

Districts:
Madina

Health Facility:
Madina Hospital

Reporting Year:
2017

Week No:
Week 3

Reporting Period:
16 January 2017 to 22 January 2017

Reporting Date:
2017-08-29

Reported By:
joash

Get Data

**Figure 6:** Edit data entry form

You will be able to select the administrative levels and health facility based on your access level. Enter the reporting year and week and click on the “Get Data” button to get the disease data entered for the health facility for the reporting period.

If the health facility has data submitted for the reporting period, the disease data will be presented as shown in figure 7 below:

Health Events Under Surveillance

✖ Note! This is a zero reporting form and all fields are required. In instances where there are no cases please enter zero (0).

Ugonjwa < 5
1
1

Ugonjwa > 5
1
1

Disease One < 5
1
1

Disease One > 5
1
1

Other Unusual Diseases or Deaths

1
0
1

1
1
1

Other Consultations
1
1

Total Consultations
13
CALCULATE

Malaria Tests

Slides/RTD examined:
0

Falciparum positive:
0

Vivax positive:
0

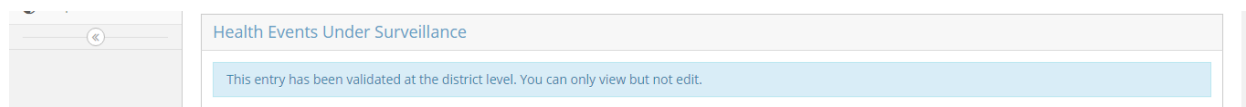
Mixed Positive:
0

save to draft only
Submit report

**Figure 7:** Editing health events under surveillance

The system only allows for edit of form data that has been submitted as draft or has been submitted but not validated at the third level of administration. If the data has not been validated, you can proceed to edit and save as a draft or submit the form for validation.

If the form has been validated at the second level of administration, the form will not have the “submit as draft” or “submit” button and an alert will be displayed on the form as shown in figure 8 below.



**Figure 8:** Validation alert notification on edit form

### 3.3 Data list

You can access all the records that have been submitted from the data list panel. You will only be able to access the forms submitted under your administrative location, levels of administrations under your level of administration, health facilities under them or your health facility if your access is at health facility level.

Go to the data collection menu and click the data list link under it and you will be directed to the data list panel, see figure 9 below.

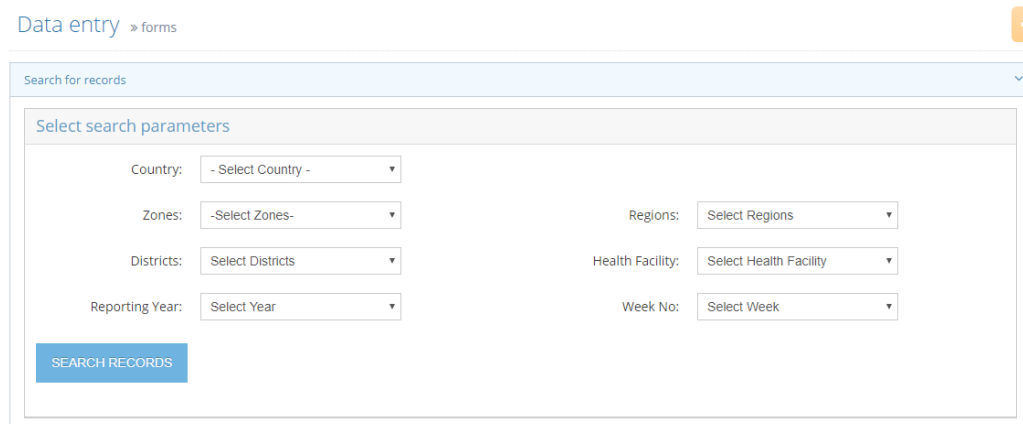
Health Facility	Week No.	Reporting year	Reporting date	Status
Sudan HF	51	2016	2017-08-21	Submitted HF (Not validated Districts)
Sudan HF	50	2016	2017-08-21	Submitted HF (Not validated Districts)
Rakko MCH	28	2017	2017-07-19	Submitted HF (Not validated Districts)
Garowe MCH W	28	2017	2017-07-19	Submitted HF (Not validated Districts)
Waciyia MCH	28	2017	2017-07-19	Submitted HF (Not validated Districts)
Garowe MCH G	28	2017	2017-07-19	Submitted HF (Not validated Districts)
Galdogob MCH	28	2017	2017-07-18	Submitted HF (Not validated Districts)

**Figure 9:** Data list panel

The panel contains a list of submitted form and the status of validation. You can also be able to edit forms that have not been validated and also view forms that have been validated.

#### a) Searching for forms

To search and find forms that have been submitted, click on the search for records link on the top section of the panel and you will access the search module as shown in figure 10 below.



The screenshot shows a web interface for data entry. At the top, there is a breadcrumb trail "Data entry » forms" and a gear icon. Below this is a "Search for records" section with a dropdown arrow. Underneath is a "Select search parameters" box. Inside this box, there are several dropdown menus: "Country:" with "- Select Country -", "Zones:" with "-Select Zones-", "Regions:" with "Select Regions", "Districts:" with "Select Districts", "Health Facility:" with "Select Health Facility", "Reporting Year:" with "Select Year", and "Week No:" with "Select Week". At the bottom left of the search parameters box is a blue button labeled "SEARCH RECORDS".

**Figure 10:** Data list search module

Once you enter the search parameters, click on the “search records” button and the data list will be filtered based on the search parameters entered.

#### **b) View and/or edit form**

To view or edit the form, click on the edit icon (for edit) or view button (for view) and you will access the edit form, see figure 11 below.



### At Health Facility level

Region: Region One

State: State One

County: County One

Health Facility: Sudan HF

Reporting Year: 2016

Week No: Week 51

Reporting Period: 16 December 2016 to 22 December 2016

Reporting Date: 2017-08-29

Reported By: sudanstate

Get Data

### Health Events Under Surveillance

✖ Note! This is a zero reporting form and all fields are required. In instances where there are no cases please enter zero (0).

Ugonjwa < 5

1

1

Ugonjwa > 5

1

1

Disease One < 5

1

1

Disease One > 5

1

1

### Other Unusual Diseases or Deaths

1

0

1

1

1

1

Other Consultations

1

1

Total Consultations

13

CALCULATE

### Malaria Tests

Slides/RTD examined:

0

Falciparum positive:

0

Vivax positive:

0

Mixed Positive:

0

save to draft only

Submit report

**Figure 11:** Edit form

You can edit the information accordingly and submit as a draft or submit the form for validation at the next level of administration.

### 3.4 Daily/Emergency alerts

#### a) Adding emergency alerts

The system allows you to enter disease data on a daily basis if there is an emergency or if you want to capture the diseases on surveillance on a daily basis. To do this, go to the data collection menu and click on the emergency alerts link then click on the “add new” link. You will be directed to the daily/emergency alerts module as shown in figure 12 below.

The screenshot shows a web form titled "Add form". It contains several dropdown menus: "Zones:" with "-Select Zones-", "Regions:" with "Select Regions", "Districts:" with "-All Districts-", "Health facility" with "Select Health Facility", "Reporting period:" with "Select Year" and "Select Week", and "Disease:" with "Select Disease". Below these are two rows of input fields for "Total < 5" and "Total > 5", each with "Male" and "Female" sub-fields. There is a "Deaths" section with a "No. of Deaths" input field and a "Reporting Date" section with a "yyyy-mm-dd" input field. At the bottom is a blue button labeled "SUBMIT REPORT".

**Figure 12:** Emergency/Daily alerts form

Enter the administrative locations based on your access credentials; select the reporting week, the disease you are reporting for, the number of alerts, deaths and the date for the entry. Once you are done, click on the submit report and the form will be submitted.

#### b) Verifying emergency alerts

To verify emergency alerts that have been captured in the system, go to the data collection menu and click on emergency alerts and then list emergencies. From the emergency alerts validation panel, select the year and week no you want to list the emergency alerts from and click on the “list” button and the daily/emergency alerts in that week will be listed as shown in figure 13 below.



EWARN Disease Emergency Alerts

Week Year:  
2017

Week No.:  
Week 1

02 January 2017 to 08 January 2017

List

Emergency Alerts Count: 1

Week No	Disease Name	Health Facility	District	Region	Cases	Deaths	Action	Verification Status	Edit
1/2017	Severe acute respiratory infection	Abdiaziz MCH	Abdiaziz	Banadir	8	2		FALSE	

**Figure 13:** Emergency alerts list

Click on the edit button to view the alert and you will be directed to the emergency alert edit and validation panel as shown in figure 14 below.

Edit form

Zones:  
Central

Regions:  
Banadir

Districts:  
Abdiaziz

Health facility:  
Abdiaziz MCH

Reporting period:  
2017 Week 1

Disease:  
(SARI) Severe acute respiratc

Total < 5  
2 2

Total > 5  
2 2

Deaths  
2

Reporting Date  
2017-01-04

Verification Status  
FALSE

Action taken

SUBMIT REPORT

**Figure 14:** Edit and validate daily/emergency alert

You can edit the data and/or validate by selecting the validation status (true or false) and also entering the action taken. When done, click on “submit report” button to update the alert.

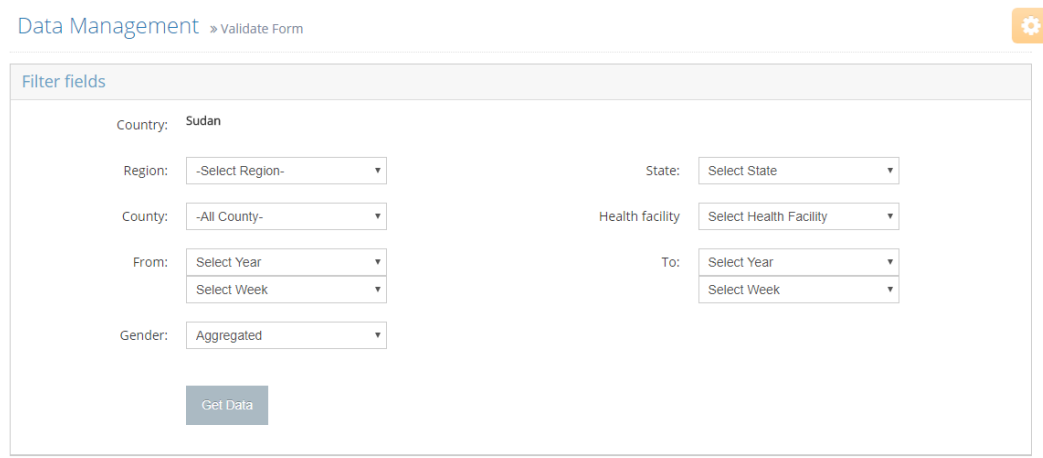
## 4. Data management

The data management modules are not accessible to health facility users. They are accessible to users at the third level of administration up to the national level.

### 4.1 Validate data

All the data entered in the system has to be validated at different administrative level. Once the user submits the form, it goes to the first validation level where the focal point at the third administrative level validates the data and it moves to the second administrative level. The user at the second administrative level will validate the data and it will move to the first administrative level for validation. The focal point at the first administrative level will validate the data and it will move to the national level for final validation.

To validate the data go to the data management menu and click on the validate data link and you will be directed to the data validation panel as shown in figure 15 below.



Data Management » Validate Form

Filter fields

Country: Sudan

Region: -Select Region- ▼

State: Select State ▼

County: -All County- ▼

Health facility: Select Health Facility ▼

From: Select Year ▼  
Select Week ▼

To: Select Year ▼  
Select Week ▼

Gender: Aggregated ▼

Get Data

**Figure 15:** Data validation panel

You will be able select the search parameters based on your access credentials and level of administration access. Once you have selected all the required parameters, click on the “get data” button and you will get a list of all the submitted forms based on your search criteria, see figure 16 below.

Filter fields

Country: Sudan

Region: Region One

State: State One

County: County One

Health facility: Sudan HF

From: 2016

To: 2016

Week 50

Week 52

Gender: Aggregated

Get Data

Week	HFC Name	AAA < 5yr	AAA > 5yr	BBB < 5yr	BBB > 5yr	UnDis	UnDis	OC	SRE	Pf	Pv	Pmix	Cons	User	Validate
51/2016	Sudan HF	2	2	2	2	1	2	2	0	0	0	0	13	sudanhf	Invalidate
50/2016	Sudan HF	2	2	2	2	2	2	2	0	0	0	0	14	sudanhf	Validate

**Figure 16:** Validating data entered

The data is listed based on weeks as per your search parameters as shown in figure 16 above. If there are any alerts for a particular disease, the numbers entered will appear on a red background. All the data that has been validated will have the “invalidate” button in red and the ones that have not been validated will have the “validate” button in green. To validate a record, click on the validate button and it will be validated. To invalidate a record, click on the “invalidate” button and the record will be invalidated and will be accessible for validation at the immediate lower level of administration.

**4.2 Validate data**

To export records from the database, go to the data management menu and under it, click on the export data link and you will be directed to the export data panel as shown in figure 17 below.

Dashboard
Data Collection
Data Management
Validate Data
Export Data
List Alerts
Registration
Admin Settings
Disease Settings
EPI Calendar
Reports
Maps

Data Management
Export Form

Filter fields

Country: Sudan

Region: -Select Region-

State: Select State

County: -All County-

Health facility: Select Health Facility

From: Select Year

To: Select Year

Select Week

Select Week

Get Data

**Figure 17:** Export data panel

Based on your access credentials, you will have access to various options. Select your export options including administrative regions, health facility and reporting periods and click on the “Get data” button.



Once you click on this, the system will generate an excel sheet with all the exported data as shown in figure 18 below.

Weekly\_Reporting\_Forms\_29082017-035723.xls - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View PDF Acrobat Team

Calibri 11 A<sup>+</sup>

General

Conditional Formatting as Table Styles

Format Cell Styles

Insert Delete Format Cells

AutoSum Fill Sort & Find & Filter Select

Clear Editing

Clipboard Font Alignment Number

Wrap Text Merge & Center

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

**Figure 18:** Excel sheet of exported records

### 4.3 List alerts

To access a list of alerts that have been entered in the system for validation, go to the data management menu and click on the list alerts link and you will access the alerts module as shown in figure 19 below.

The screenshot shows the "EWARN > Alerts" module interface. The left sidebar contains a menu with the following items: Dashboard, Data Collection, Data Management (expanded), List Alerts (selected), Registration, Admin Settings, Disease Settings, EPI Calendar, Reports, and Maps. The main content area is titled "EWARN Disease Alerts" and contains the following form:

Week Year:

Week No.:

**Figure 19:** Alerts module

To get alerts within a specific reporting period, select the year and week number and click on the "list" button and all the alerts in that period will be listed as shown in figure 20 below.

Dashboard	EWARN » Alerts									
Data Collection	EWARN Disease Alerts									
Data Management	<div> <div>Week Year:</div> <div>2017</div> <div>Week No.:</div> <div>Week 1</div> </div> <div>02 January 2017 to 08 January 2017</div> <div>List</div>									
Registration	Alerts Count: 91									
Admin Settings	Week No	Disease Name	Health Facility	District	Region	Cases	Deaths	Action	Verification Status	Bulletin Include
Disease Settings	1/2017	SARI	Abdiaziz MCH	Abdiaziz	Banadir	8	0	Vaccinations sent	TRUE	TRUE
EPI Calendar	1/2017	ILI	Abdiaziz MCH	Abdiaziz	Banadir	7	0		FALSE	FALSE
Reports	1/2017	ILI	Borama Hospital	Borama	Awdal	9	0	-	FALSE	FALSE
Maps	1/2017	ILI	Central MCH	Borama	Awdal	26	0	-	FALSE	FALSE
	1/2017	ILI	Sh. Osman MCH	Borama	Awdal	14	0	-	FALSE	FALSE
	1/2017	ILI	Shifo MCH	Borama	Awdal	61	0	-	FALSE	FALSE
	1/2017	ILI	Idhanka MCH	Borama	Awdal	62	0	-	FALSE	FALSE
	1/2017	ILI	Boon MCH	Borama	Awdal	7	0	-	FALSE	FALSE
	1/2017	ILI	Dilla MCH	Baki	Awdal	40	0	-	FALSE	FALSE

**Figure 20: Weekly alerts week**

From the list, click on the edit icon to edit and validate a specific alert and you will be directed to the alerts validation page as shown in figure 20 below.

EWARN » Alerts	
Week No.:	1/2017
Disease name:	SARI
District:	Abdiaziz
Region:	Banadir
Zone:	Central
Cases:	8
Deaths:	0
Notes:	Vaccinations sent
Verification Status:	TRUE
Bulletin include:	TRUE
Outcome:	Alert
Update	

**Figure 20: Validating an alert**

The form has data that can be used for verification and include:

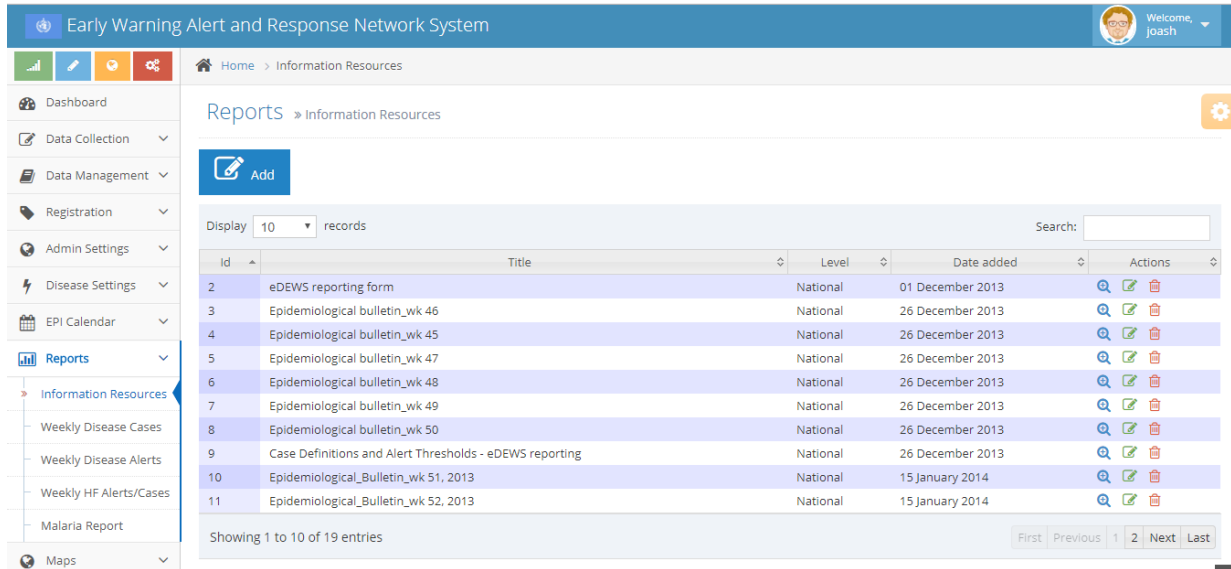
- Cases: Number of cases reported
- Deaths: Number of deaths reported
- Notes: Any notes on the action taken
- Verification status: Select whether or not the alert is true
- Bulletin include: Select whether or not the alert is to be included in weekly bulletin
- Outcome: The outcome of the alert

Once you are done validating the data, click on the update button and the validation information will be updated on the database.

## 5. Reports

### 5.1 Information resources

Information resources are documents that you can upload in the system. To add a new document, go to the reports menu and click on the information resources link and you will be directed to the information resources panel with all the documents accessible to yourself based on your access credentials as shown in figure 21 below.



The screenshot shows the 'Early Warning Alert and Response Network System' interface. The left sidebar contains a menu with options: Dashboard, Data Collection, Data Management, Registration, Admin Settings, Disease Settings, EPI Calendar, Reports, Information Resources, Weekly Disease Cases, Weekly Disease Alerts, Weekly HF Alerts/Cases, Malaria Report, and Maps. The 'Reports' menu is expanded, and 'Information Resources' is selected. The main content area shows the 'Information Resources' panel with a table of 11 entries. The table has columns for Id, Title, Level, Date added, and Actions. The 'Add' button is located at the top left of the panel. The table shows 11 entries, with the first 10 displayed. The last entry is 'Epidemiological\_Bulletin\_wk 52, 2013'.

Id	Title	Level	Date added	Actions
2	eDEWS reporting form	National	01 December 2013	[View] [Edit] [Delete]
3	Epidemiological bulletin_wk 46	National	26 December 2013	[View] [Edit] [Delete]
4	Epidemiological bulletin_wk 45	National	26 December 2013	[View] [Edit] [Delete]
5	Epidemiological bulletin_wk 47	National	26 December 2013	[View] [Edit] [Delete]
6	Epidemiological bulletin_wk 48	National	26 December 2013	[View] [Edit] [Delete]
7	Epidemiological bulletin_wk 49	National	26 December 2013	[View] [Edit] [Delete]
8	Epidemiological bulletin_wk 50	National	26 December 2013	[View] [Edit] [Delete]
9	Case Definitions and Alert Thresholds - eDEWS reporting	National	26 December 2013	[View] [Edit] [Delete]
10	Epidemiological_Bulletin_wk 51, 2013	National	15 January 2014	[View] [Edit] [Delete]
11	Epidemiological_Bulletin_wk 52, 2013	National	15 January 2014	[View] [Edit] [Delete]

**Figure 21:** Information resources panel

#### a) Adding an information resource

To add an information resource, click on the add button and you will be directed to the information resources addition page, see figure 22 below. From this page, you can add, view (download), edit or delete the information resources.

The screenshot displays the 'Early Warning Alert and Response Network System' interface. The left sidebar contains a navigation menu with options: Dashboard, Data Collection, Data Management, Registration, Admin Settings, Disease Settings, EPI Calendar, Reports (selected), and Maps. The 'Reports' section is expanded, showing 'Information Resources' as the active sub-section. The main content area is titled 'Reports » Information Resources' and contains a form for adding new resources. The form includes dropdown menus for 'Country' (with '-Select Country-' selected), 'Zones' (with '-Select Zone-' selected), 'Regions' (with 'Select Regions' selected), and 'Districts' (with 'Select District' selected). There is an 'Upload Document' section with a 'Choose File' button and the text 'No file chosen'. Below this is a 'Title' text input field and a 'Description' text area. At the bottom of the form is a blue 'Add' button.

**Figure 22:** Adding information resources

Based on your access level, you will select the administrative regions, attach the document you want to upload, enter the document title and description and click on the add button. The document will be uploaded and saved in the information resources database.

#### **b) Editing information resources**

To edit an information resource, go to the information resources panel and click on the edit button next to the resource you intend to edit and you will access the edit panel as shown in figure 23 below.

Dashboard

Data Collection

Data Management

Registration

Admin Settings

Disease Settings

EPI Calendar

**Reports**

Information Resources

Weekly Disease Cases

Weekly Disease Alerts

Weekly HF Alerts/Cases

Malaria Report

Maps

Reports > Information Resources

Document:

eDEWS reporting form

Title:

eDEWS reporting form

Description:

eDEWS reporting

Update

**Figure 23:** Editing an information resource

You can edit the title and description and click on the update button to update the information resources record.

## 5.2 Weekly disease cases

To generate reports on the weekly disease cases, go to the reports menu and under it click the “weekly disease cases” link and you will access the reports generation panel as shown in figure 24 below.

Early Warning Alert and Response Network System

Welcome, joash

Home > Weekly Disease Alerts

Dashboard

Data Collection

Data Management

Registration

Admin Settings

Disease Settings

EPI Calendar

**Reports**

Information Resources

Weekly Disease Cases

Weekly Disease Alerts

Weekly HF Alerts/Cases

Reports > Weekly Disease Alerts

Select Report Parameters

Zones:

-Select Zones-

Regions:

Select Regions

Districts:

Select Districts

Health facility

Select Health Facility

From:

Select Year

Select Week

To:

Select Year

Select Week

Generate Report

**Figure 24:** Generating weekly disease cases report

From this page, select the report parameters and click on the generate report button and the report will be generated as shown below.



## Weekly Disease Cases from 2017/1 - 2017/5

Zone: All Region: All District: All Health Facility: All

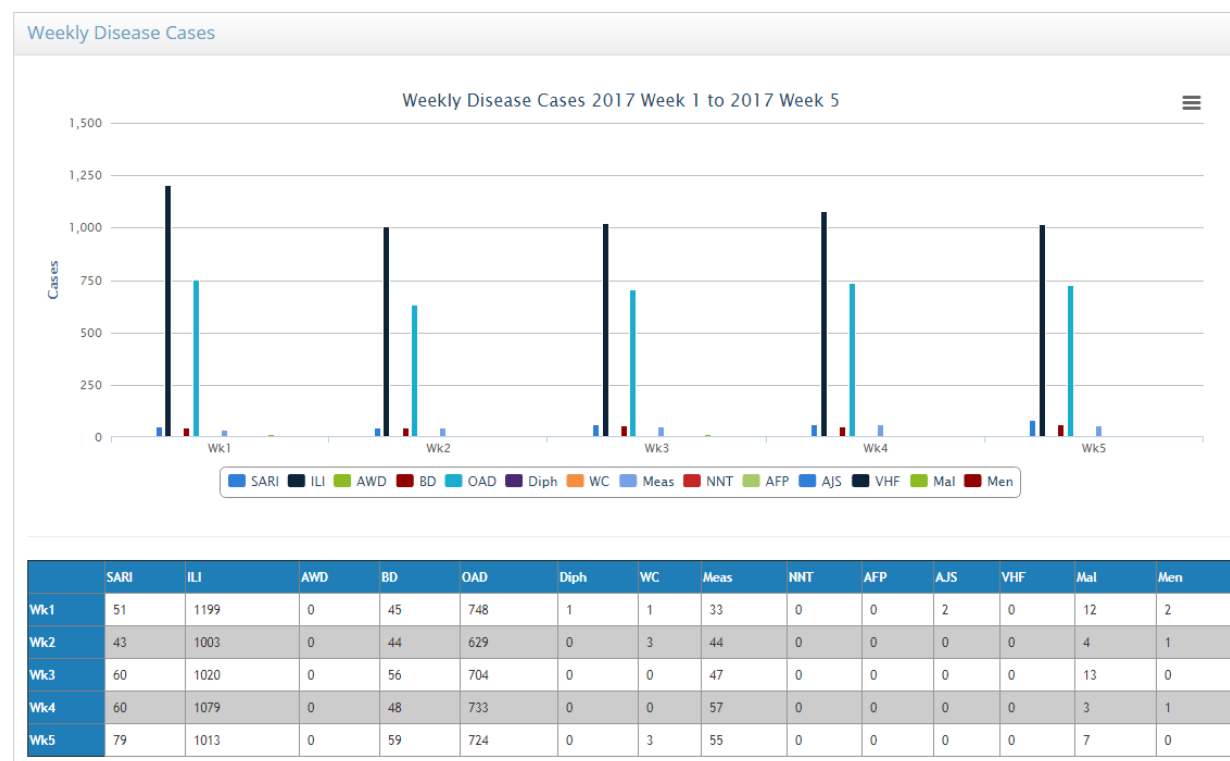


Figure 25: Weekly disease cases report

## 5.3 Weekly disease alerts

To generate reports on the weekly disease alerts, go to the reports menu and under it click the “weekly disease alerts” link and you will access the reports generation panel as shown in figure 26 below.

Early Warning Alert and Response Network System

Welcome, Joash

Home » Weekly Disease Alerts

Reports » Weekly Disease Alerts

Select Report Parameters

Zones:

Regions:

Districts:

Health facility:

From:

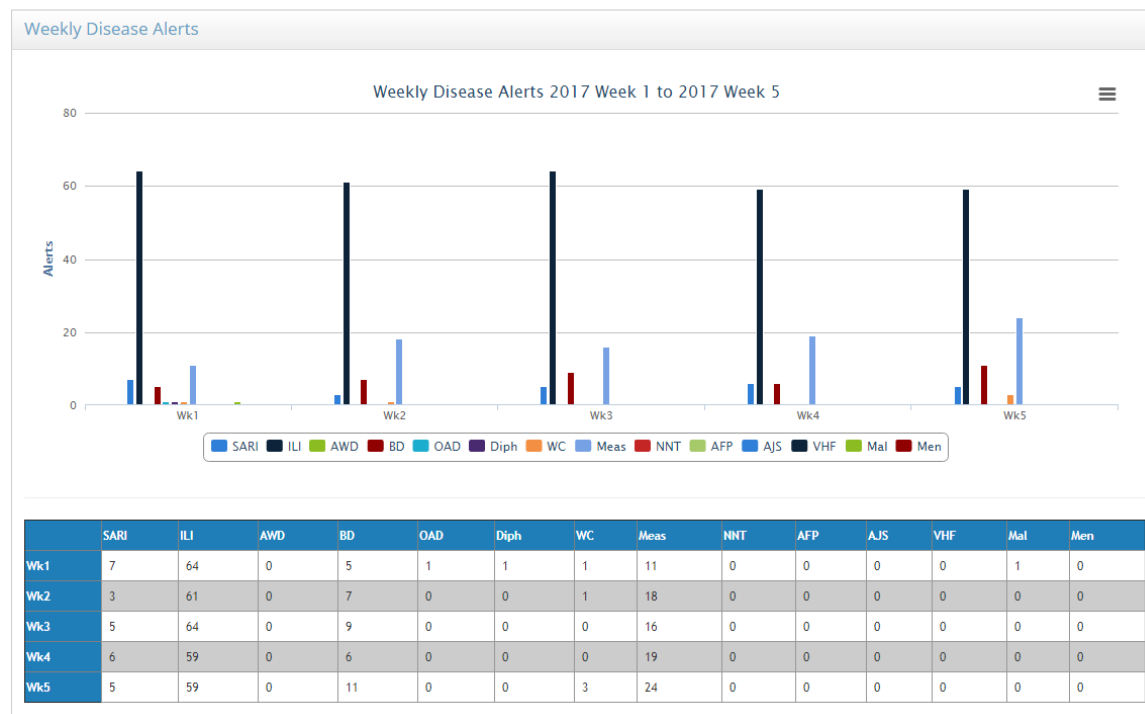
To:

**Figure 26: Generating weekly disease alerts report**

From this page, select the report parameters and click on the generate report button and the report will be generated as shown below.

Weekly Disease Alerts from 2017/1 - 2017/5

Zone: All Region: All District: All Health Facility: All



**Figure 27: Weekly disease alerts report**

#### 5.4 Weekly HF alerts/cases

To generate reports on the weekly HF alerts/cases, go to the reports menu and under it click the “weekly HF alerts/cases” link and you will access the reports generation panel as shown in figure 28 below.



**Figure 28:** Generating weekly HF alerts/cases

From this page, select the report parameters and click on the generate report button and the report will be generated as shown below.

Health Facility Name	SARI	ILI	AWD	BD	OAD	Diph	WC	Meas	NNT	AFP	AJS	VHF	Mal	Men
Abdaal	0	2	0	0	0	0	0	1	0	0	0	0	0	0
Abdiaziz MCH	4	2	0	0	0	0	0	0	0	0	0	0	0	0
Adadley MCH	0	5	0	0	0	0	0	0	0	0	0	0	0	0
Adbdaal	1	3	0	0	0	0	0	0	0	0	0	0	0	0
Alnabo HC	0	5	0	4	0	0	0	1	0	0	0	0	0	0
Arabsiyo	0	5	0	0	0	0	0	0	0	0	0	0	0	0
Ayaha/ A. idan MCH	0	4	0	0	0	0	0	0	0	0	0	0	0	0
Badhan MCH	0	5	0	0	0	0	0	0	0	0	0	0	0	0
Bali-abane	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Bali-abane MCH	0	3	0	0	0	0	0	0	0	0	0	0	0	0
Bali-gubadle MCH	1	5	0	0	0	0	0	0	0	0	0	0	0	0

**Figure 29:** Weekly HF alerts/cases

## 5.5 Malaria report

To generate malaria reports on, go to the reports menu and under it click the “malaria report” link and you will access the reports generation panel as shown in figure 30 below.

Early Warning Alert and Response Network System

Welcome, joash

Home > Malaria Reports

Reports > Malaria Reports

Select Report Parameters

Zones: -Select Zones-

Regions: Select Regions

Districts: Select Districts

From: Select Year Select Week

To: Select Year Select Week

Generate Report

**Figure 30: Generating malaria report**

From this page, select the report parameters and click on the generate report button and the report will be generated as shown below.

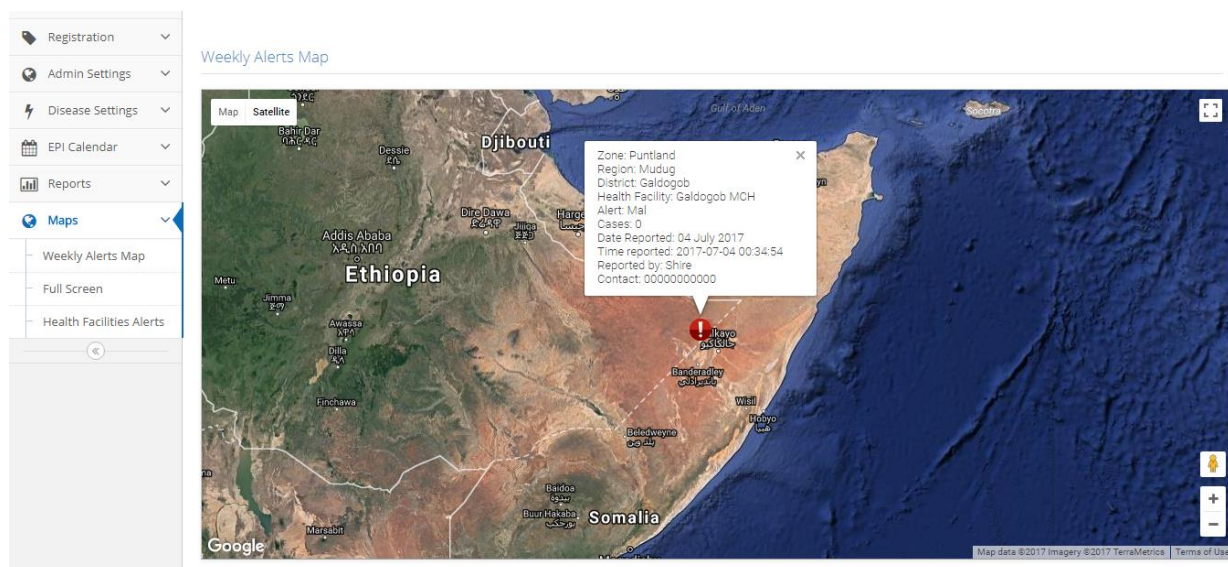


**Figure 31: Malaria report**

## 6. Maps

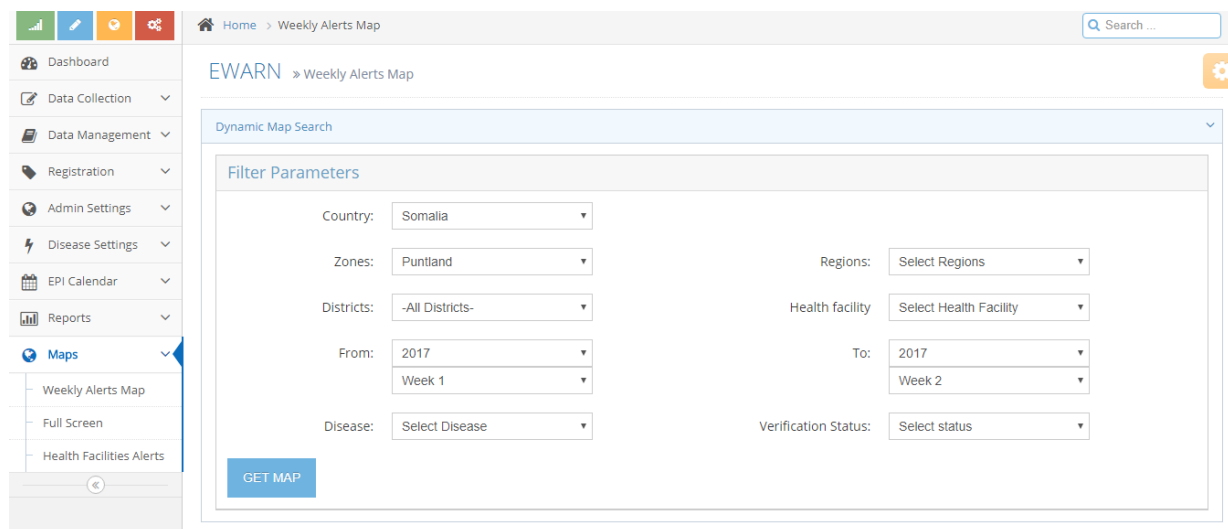
### 6.1 Weekly alerts map

To access the weekly alerts map, go to the maps menu and click the “weekly alerts map” link and you will access the weekly alerts map as shown below.



**Figure 32:** Weekly alerts map

The map is dynamic and allows you to search based on your defined criteria. To search the map, click on the dynamic map search above the map and you will be presented with a search panel as shown in figure 33 below.

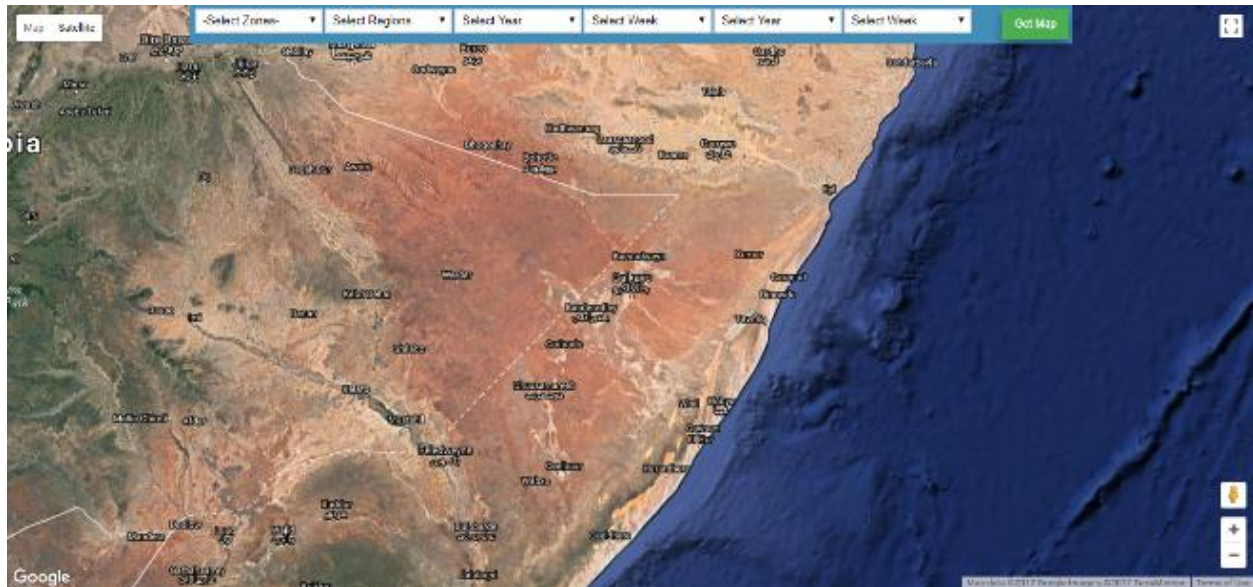


**Figure 33:** Dynamic map search

Enter the map search criteria and the map will be generated and displayed in a similar fashion as shown in figure 32 above.

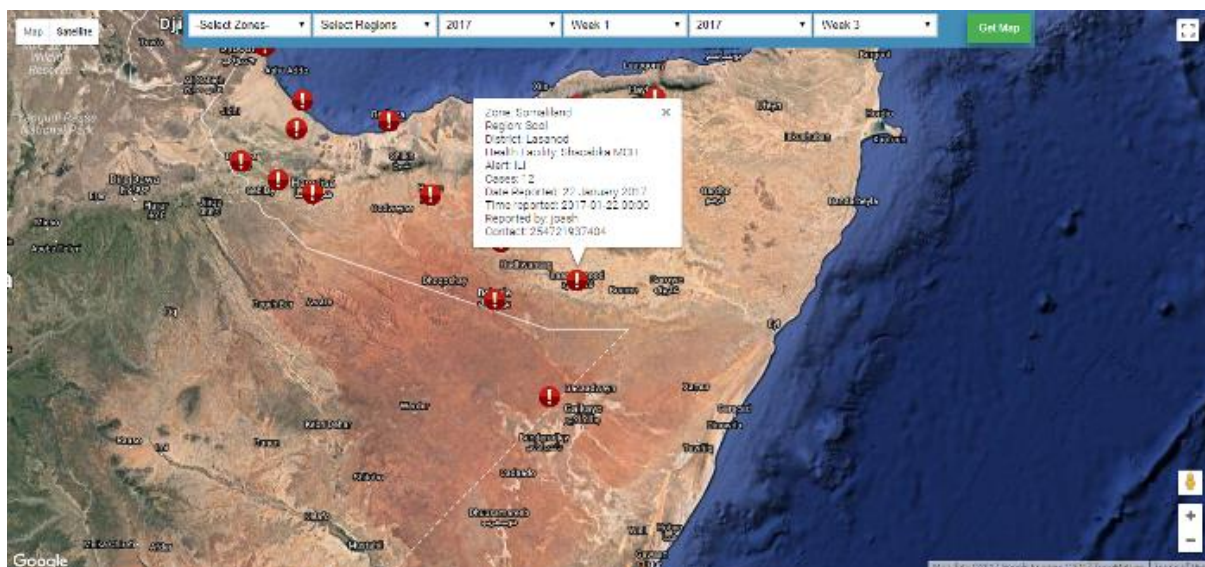
## 6.2 Full screen

You can access the full screen map by clicking the full screen link under the maps menu and you will access the full screen map as shown in figure 34 below.



**Figure 34:** Full screen map

You can search the map by selecting the parameters on the top bar of the map and clicking the get map button and the map will generate alert data based on the selected criteria as shown in figure 35 below.

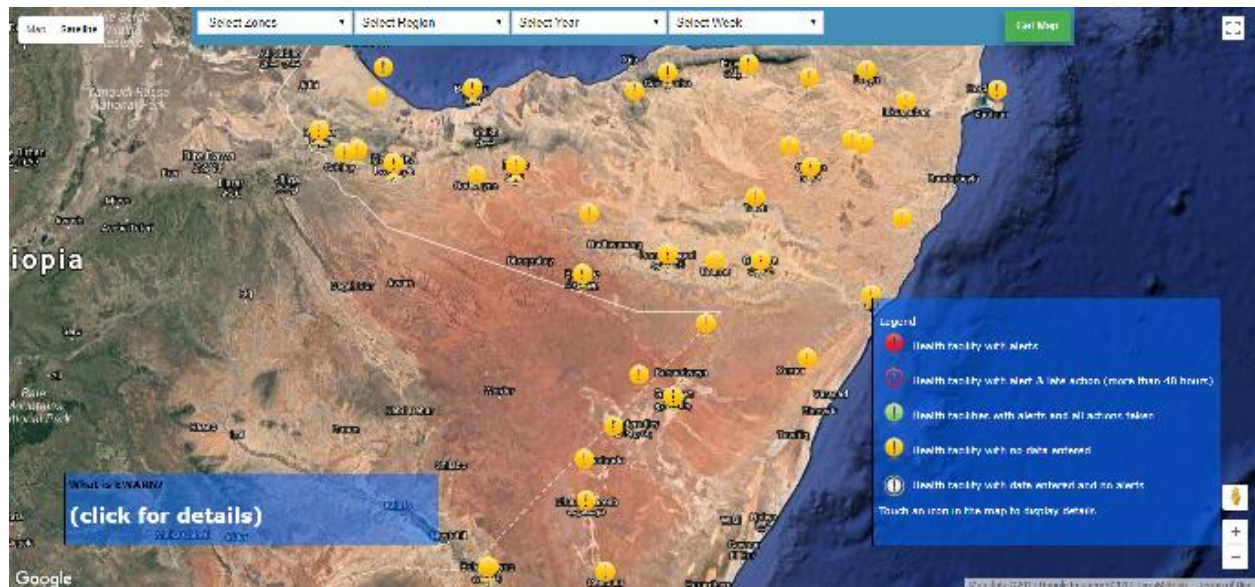


**Figure 35:** Alert Map generated from search



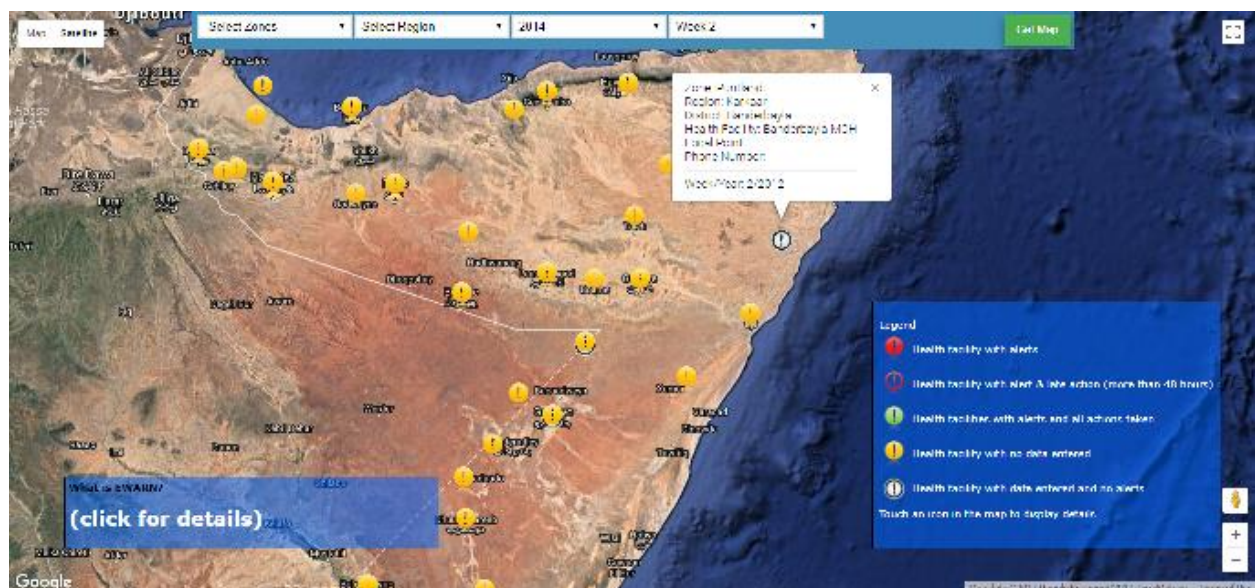
### 6.3 Health facilities alerts

To get alerts submitted by health facilities, go to the health facilities alerts link under the maps menu and you will access a full page render of the health facility alerts, see figure 36 below.



**Figure 36:** Health facility alerts map

The map has a legend on the bottom right corner that provides a description for each icon on the map and a guide on the bottom left on what the EWARN system is all about. You can also dynamically search the map based on your defined criteria from select options in the top panel of the map and it will generate a map as shown in figure 37 below.



**Figure 37:** Dynamically generated health facility alerts map