

Malaria Day Zero Alert System

User Guide

Version 1.0



Technology developed by  InSTEDD

Revision History

Version	Date	Description	Author
V1.0	01-04-2011	Created	An Yon

TABLE OF CONTENTS

I- Overview.....	3
II- Preface.....	4
III- Malaria Day Zero Alert System Features	4
III- Malaria Day Zero Alert System.....	6
A- Getting Started.....	6
A.1 – View All Malaria Report Cases.....	9
A.2 – Edit Malaria Report Case	11
A.3 – View Last error message per sender per day.....	12
A.4 – View duplicated messages.....	13
A.5 – View Reported places and Not Reported Places.....	13
A.6 – View Malaria Report on the Map	14
A.7 –Map visualization With filtering	14
A.8 – Blast Message to user(s).....	16
B- Users	17
B.1- Adding new user to the system.....	17
B.1.1 - Adding New User Manually.....	17
B.1.2 - Adding a List of New Users	18
B.2- Edit User	18
B.3- Delete user.....	19
C- Threshold Setting	19
D- Alert Setting for provincial, national and system administrator	21
E- Templates Setting.....	22
F- Places Setting	23
F.1- Add place manually	23
F.2- Import places to system	25
F.3- Edit place.....	26

I- OVERVIEW

The shift over the last few years away from failing drugs to the highly effective artemisinin-based combination therapies (ACTs) has been a breakthrough, and it was hoped that their design as combinations of two efficacious drugs with different modes of action would preserve them for many years of use. However, recent evidence suggests that artemisinin tolerant/resistant Plasmodium falciparum parasites are present on the Thai-Cambodian border and it is imperative to mount a vigorous response to stop spread from areas where artemisinin resistance has been identified, whilst simultaneously undertaking further research to define the nature and geographical extent of the problem.

As day-3 reporting model has proved to be an effective mechanism for reporting cases by SMS, and in light of the move towards the elimination of malaria in Cambodia, it has been decided to scale up the system day-0 reporting of all Pf cases from VMWs and health facilities. As the number of cases will be higher for day-0 than day-3 and given the probable need for more widespread implementation it has been decided to move to a more robust internet based platform.

II- PREFACE

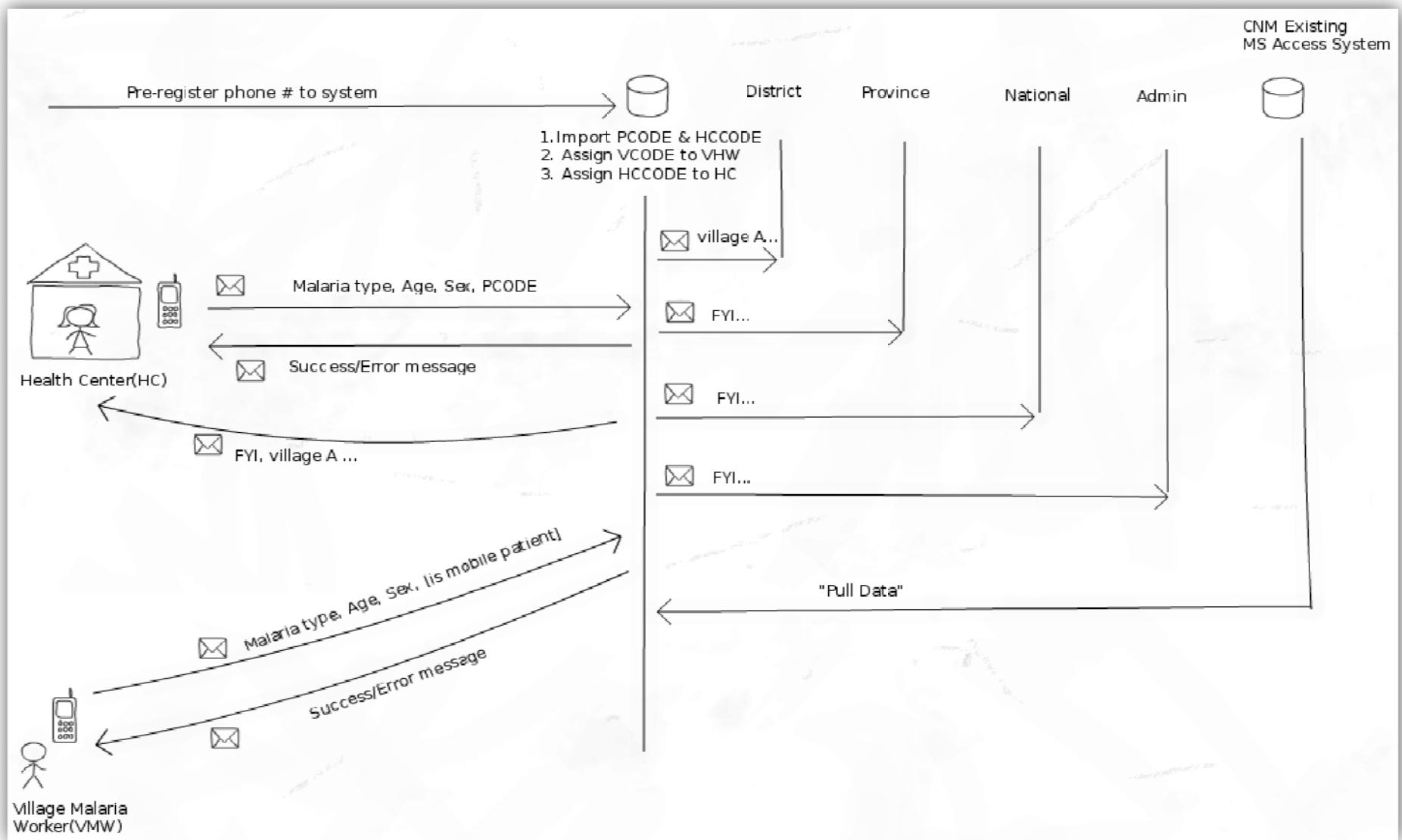
A complete documentation for Malaria Day Zero Alert system is listed below. Please contact InSTEDD Innovation Lab in Phnom Penh, Cambodia for a copy.

- I. User Manual In English Version
- II. Help card for Health Center staff
- III. Help card for Village Malaria Worker
- IV.Technical documentation

III- MALARIA DAY ZERO ALERT SYSTEM FEATURES

- 1) Import places(Health clinic and its geographic location information) and users (Village Malaria Worker, Health Center, Operational District, Provincial, National, Admin)
- 2) Custom alert Message
- 3) SMS case reporting from HC and VMW(Village Malaria Worker)
- 4) Log all invalid SMS (error messages)
- 5) Display Last error SMS received in a day from each number
- 6) Ability to edit incoming message and mark error message as investigated
- 7) Set HC threshold rules for alert message to OD(Operational District)
- 8) Set Village threshold rules for alert message to OD
- 9) SMS alert setting for Operational District (report every cases or report base on threshold)
- 10) SMS alert setting for Provincial, National, and Admin
- 11) Alert message to supervising HC
- 12) System recognition of SMS report format
- 13) Listing duplicate SMS report
- 14) Display day zero data aggregation on the map with timeline filtering options
- 15) View places that have or not have report case

Below is the workflow of Malaria Day Zero Alert System:



III- MALARIA DAY ZERO ALERT SYSTEM

A- GETTING STARTED

Malaria Day Zero Alert System is a web base application with SMS service that enable end user(HC, VMW) to send malaria case reporting from the village or health center via SMS to the system. The case can then be automatically send as SMS alert to supervised HC, OD, PHD, National Level or System Administrator. Online system also provide ability to view report, manage users and places, set threshold, send message to group or individual, and templates message setting. Website url of Malaria Day0 Alert System is <http://md0.cnm.gov.kh>

It is required login account to access to the system. You can contact to system administrator for assistant to get a login account.

You need to sign in or sign up before continuing.

Sign in

Email

Password

Remember me

Sign in

[Forgot your password?](#)

Once login you should be able to see a page as below:


malaria consortium
disease control, better health

1

[admin@md0.com](#) | [Home](#) | [Users](#) | [Thresholds](#) | [Alerts](#) | [Templates](#) | [Places](#) | [Sign out](#)

Search place

You are here: National

Provinces	2
01 Banteay Meanchey	
02 Battambang	
03 Kampong Cham	
04 Kampong Chhnang	
05 Kampong Speu	
06 Kampong Thom	
07 Kampot	
23 Kep	
09 Koh Kong	
10 Kratie	
11 Mondul Kiri	
22 Oddar Meanchey	
24 Pailin	
13 Preah Vihear	
15 Pursat	
16 Ratanak Kiri	
17 Siem Reap	
18 Sihanoukville	
19 Stung Treng	
21 Takeo	

Users	4
Province users (1)	<input type="checkbox"/>
OD users (1)	<input type="checkbox"/>
HealthCenter users (3)	<input type="checkbox"/>
Village users (2)	<input type="checkbox"/>
Send SMS	

3

[All messages](#)
[Error messages](#)
[Last error message per sender per day](#)
[Duplicated messages](#)
[Places reporting and not reporting](#)
[Map](#)

Displaying all 18 messages

Date	Sender	Sender number	Text	Type	Age	Sex	Mobile?	Reported at	Health Center	Village	Trigger		
26 minutes ago	Yon-VMWs	85595705683	J55f.			invalid malaria type	edit	No				Messages Ignore	
26 minutes ago	Yon-VMWs	85595705683	V55f.	V	55	Female	Yes	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	Yes	Messages Ignore	
28 minutes ago	Yon-VMWs	85595705683	V555f.	V	555	Female	Yes	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	No	Messages Ignore	
30 minutes ago	Yon-VMWs	85595705683	V555f.	V	555	Female	Yes	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	Yes	Messages Ignore	
30 minutes ago	Yon-VMWs	85595705683	V555f.	V	555	Female	Yes	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	Yes	Messages Ignore	
1 day ago	Yon-VMWs	85595705683	V555f.	V	555	Female	Yes	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	No	Messages Ignore	
1 day ago	Yon-VMWs	85595705683	V5555f.	V	5555	Female	Yes	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	No	Messages Ignore	
1 day ago	Yon-VMWs	85595705683	V5555f.	V	5555	Female	Yes	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	No	Messages Ignore	
1 day ago	Yon-VMWs	85595705683	V55555f.	V	55555	Female	Yes	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	No	Messages Ignore	
1 day ago	Peng By	85595705637	F52m	F	52	Male	No	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	No	Messages Ignore	
1 day ago	PenBy	85595705650	V16m 07042121			non existent village	edit	No		070103 Tani		No	Messages Ignore
1 day ago	Yon-HC	85577711037	V456m07011103	V	456	Male	No	health center	070104 Ang Phnom Toch	07011103 Kan Trong	No	Messages Ignore	
1 day ago	Yon-HC	85577711037	V456m0701110300	V	456	Male	No	health center	070104 Ang Phnom Toch	07011103 Kan Trong	No	Messages Ignore	
1 day ago	Yon-VMWs	85595705683	V55555f.	V	55555	Female	Yes	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	No	Messages Ignore	
1 day ago	Yon-	85595705683	V55555f	V	55555	Female	No	village	070104 Ang Phnom	0701010100 Trapeang	No	Messages Ignore	

Below is an explanation of the screen above:

- a) **Part 1:** It is a header menu where you can search for place by place name or code in this system.

Home: for view all the case reporting messages

Users: for view, edit, delete and upload users to the system

Thresholds: for set threshold message per week to alert to upper levels

Alerts: for enable or disable of alert threshold to upper levels

Templates: for set message template for alert to upper level, success or error message to reply back to sender.

Places: for upload and edit the places

Sign out: for log out from the system

- b) **Part 2:** the panel displays place structure. You can drill down to select province down to village level. The selected place is associated to the report cases that display in part 3.

- c) **Part 3:** It is malaria reported cases that received from HCs and VMWs. The report cases displayed in this part is associated to the selected place in part 2

All messages: Listing all messages sent from villages and health centers

Error Messages: Listing all messages sent from villages and health centers which has error format

Last error message per sender per day: Listing last error message that was reported from each sender per day.

Duplicated messages: Listing duplicated messages

Places reporting and not reporting: For view places that have case reported and places that do not have case reported in a selected period of time.

Map: Visualize aggregate case reported on the map

- d) **Part 4:** For send blast message to individual or group of users.

A.1 – VIEW ALL MALARIA REPORT CASES

Click on tab “All messages” to see all the malaria case reported.

- 1) Date:** Show when the case was reported
- 2) Sender:** Name of user who send this report
- 3) Sender Number:** Phone number of the sender
- 4) Text:** Original text message that was received from sender
- 5) Type:** Indicate type of malaria species which can fall into one of the following **F:** Falciparum, **V:** Vivax, **M:** Mix
- 6) Age:** Age of the malaria patient which was reported
- 7) Sex:** Gender of the malaria patient which was reported
- 8) Mobile?:** Indicate If the patient is from different village
- 9) Reported at:** Place where the case was reported. It can be from health center or village
- 10) Health Center:** Name of the supervised health center that the case was reported from
- 11) Village:** The name of village that the case was reported from
- 12) Trigger:** is the status show that the report is delivery to OD or not.
 - If status is “Yes” this report is deliver to OD
 - If status is “No” this report is not deliver to OD

Displaying all 18 messages												
Date	Sender	Sender number	Text	Type	Age	Sex	Mobile?	Reported at	Health Center	Village	Trigger	
26 minutes ago	Yon-VMWs	85595705683	J55f.	invalid malaria type	edit	No		070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh		No	Messages Ignore
26 minutes ago	Yon-VMWs	85595705683	V55f.	V	55	Female	Yes	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	Yes	Messages Ignore
28 minutes ago	Yon-VMWs	85595705683	V555f.	V	555	Female	Yes	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	No	Messages Ignore
30 minutes ago	Yon-VMWs	85595705683	V555f.	V	555	Female	Yes	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	Yes	Messages Ignore
30 minutes ago	Yon-VMWs	85595705683	V555f.	V	555	Female	Yes	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	Yes	Messages Ignore
1 day ago	Yon-VMWs	85595705683	V555f.	V	555	Female	Yes	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	No	Messages Ignore
1 day ago	Yon-VMWs	85595705683	V5555f.	V	5555	Female	Yes	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	No	Messages Ignore
1 day ago	Yon-VMWs	85595705683	V5555f.	V	5555	Female	Yes	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	No	Messages Ignore
1 day ago	Yon-VMWs	85595705683	V55555f.	V	55555	Female	Yes	village	070104 Ang Phnom Toch	0701010100 Trapeang Kampheanh	No	Messages Ignore

Click on link “Messages” will pop up a dialog box that show users of different level who received this case alert. Click on “Ignore” to discard that row message report.

Use left panel place structure to select place for view its associated messages reported that would be display on the right panel

- a) Click on the province name then system will display all operational districts (OD) in that province
- b) Click on the operational district (OD) name then system will display all health center (HC) in that OD.
- c) Click on the health center (HC) name then system will display all villages in that HC.
- d) Click on each village on the left panel to view all the malaria report that was reported by VMWs in this village.
- e) To go back to upper level, click on breadcrumb as show in the figure below

Breadcrumb: use to switch to previous level

The screenshot shows a web-based application interface. At the top, there is a breadcrumb navigation bar with the following items: You are here: National > Banteay Meanchey > Mongkol Borei > Serei Saophoan > Prey Ruessei. Below the breadcrumb is a header with two buttons: 'All messages' and 'Error messages'. The main content area has two sections. On the left, there is a sidebar titled 'Prey Ruessei' under 'Users' which lists 'yon' and includes a 'Send SMS' button. On the right, there is a table titled 'Displaying all 3 messages' with the following data:

Date	Sender	Sender number	Text	Type	Age	Sex
7 days ago	instedd	85517989822	V58m01060705	V	58	Male
15 days ago	yon	85510808707	f56m	F	56	Male
15 days ago	yon	85510808707	m45f.	M	45	Female

A.2 – EDIT MALARIA REPORT CASE

In case the reported case that was sent from VMWs or HCs staff contains error, it will shows under tab “**Error messages**”. System administrator can manually correct these error reports.

1. Click on **Error Messages** tab
2. Click on “**click to edit**” link on the row of message that you want to correct

The screenshot shows a table of 11 error messages. The 7th message, from 'instedd' on '7 days ago', has a red 'invalid village code' entry in the 'Text' column. A green arrow points down to the 'Edit' dialog for this message.

Date	Sender	Sender number	Text	Type	Age	Sex	Mobile?	Reported at
6 days ago	instedd	85517989822	H	invalid malaria type	edit	No		
7 days ago	instedd	85517989822	V58m0106070500	invalid village code	edit	No		
7 days ago	instedd	85517989822	V58m0106070500	invalid village code	edit	No		
7 days ago	instedd	85517989822	V58m0106070500	invalid village code	edit	No		
7 days ago	instedd	85517989822	V58m0106070500	invalid village code	edit	No		
7 days ago	instedd	85517989822	V58m0106070500	invalid village code	edit	No		
15 days ago	Serei Saophoan HC	85577711037	V5m01010101	non existent village	edit	No		
15 days ago	Serei Saophoan HC	85577711037	M85f01060705	non existent village	edit	No		
15 days ago	Serei Saophoan HC	85577711037	M85f0106070500	invalid village code	edit	No		
15 days ago	Serei Saophoan HC	85577711037	M8530106070500	invalid sex	edit	No		

Edit incorrect message from Yon2 85517989822 with text V 5 0

Type: V
Sex: Male
Age: 50
Village: 01030301 Ta Vong
Update Report

3. After report is corrected, click on **Update Report** button

The corrected message will no longer appear in Error message tab. You can see this corrected message in “All messages” tab.

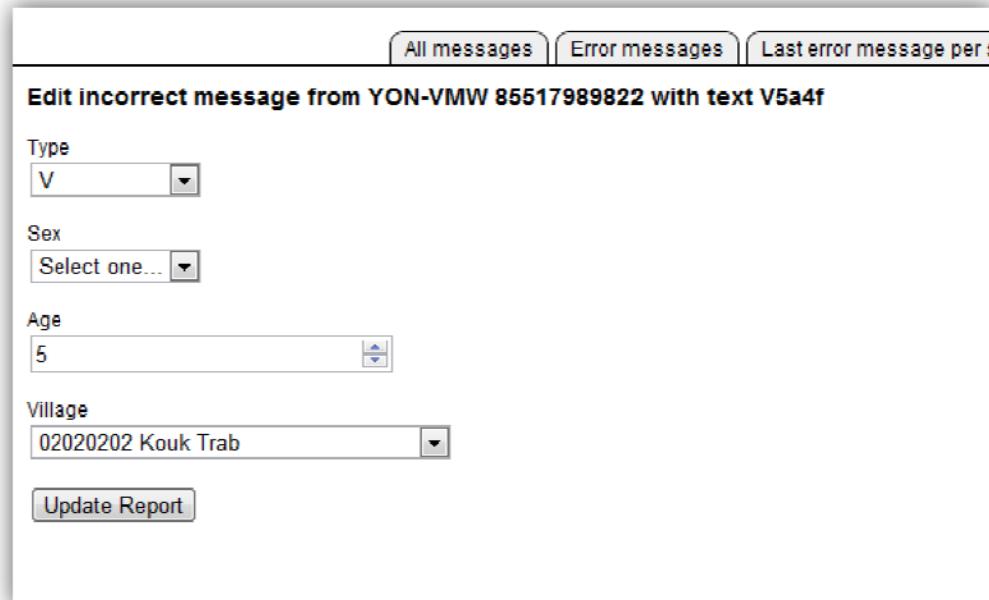
A.3 – VIEW LAST ERROR MESSAGE PER SENDER PER DAY

This tab shows only the last error reports of each sender in a day. Here the error messages can be edited by administrator manually.

1. Click on “Last error message per sender per day” tab to view error messages
2. Click on **Edit** on the row of report to edit message.



Date	Sender	Sender number	Text	Type	Age	Sex	Mobile?	Reported at
6 days ago	instedd	85517989822	H	invalid malaria type	edit	No		
7 days ago	instedd	85517989822	V58m0106070500	invalid village code	edit	No		



Edit incorrect message from YON-VMW 85517989822 with text V5a4f

Type

Sex

Age

Village

3. Click on **Update Report** button to update.

After update this report is no longer display under this tab. The message will move to display under “All Messages” tab with status as valid message.

A.4 – VIEW DUPLICATED MESSAGES

In the case that HCs or VMWs repeatedly send the same report more than one time in a day, system will display those duplicated messages under “Duplicated Messages” tab.

Click on “**Duplicated messaged**” tab to show list duplicated report. Click on “**ignore**” if you want to cancel this report.

Date	Sender	Sender number	Text	Type	Age	Sex	Mobile?	Reported at	Health Center	Village	
7 days ago	instedd	85517989822	V58m0106070500	invalid village code	edit	No		010101 Serei Saophan			Messages Ignore
7 days ago	instedd	85517989822	V58m0106070500	invalid village code	edit	No		010101 Serei Saophan			Messages Ignore
15 days ago	instedd	85510308707	F12m.	F	12	Male	Yes	village	010313 Nam Tau	01030101 Rongvean	Messages Ignore
15 days ago	instedd	85510308707	F12M.	F	12	Male	Yes	village	010313 Nam Tau	01030101 Rongvean	Messages Ignore

A.5 – VIEW REPORTED PLACES AND NOT REPORTED PLACES

Here you can view villages or health centers that has reported or not reported malaria case in a selected period of time and you can also export results to CSV file.

1. Click on “**Places reporting and not reporting**” tab
2. Select case report start date and end date
3. Choose **Village** or **Health Center** that you want to view
4. Choose **Reported** or **Not reported**
5. Click “**Show report**” button to get search result
6. Click on “**Export result**” to export as csv file

No	Village	Code	Total	HealthCenter	OD	Province
1	Rongvean	01030101 4	010313 Nam Tau	0103 Preah Net Preah	01 Dantteay Meanchey	
2	Prey Ruessei	01000705 3	010101 Serei Saophan	0101 Mongkol Borei	01 Banteay Meanchey	
3	Kantuot	01030107 2	010313 Nam Tau	0103 Preah Net Preah	01 Banteay Meanchey	

This figure shows all the villages sent malaria report from 01 July 2011 to 31 July 2011.

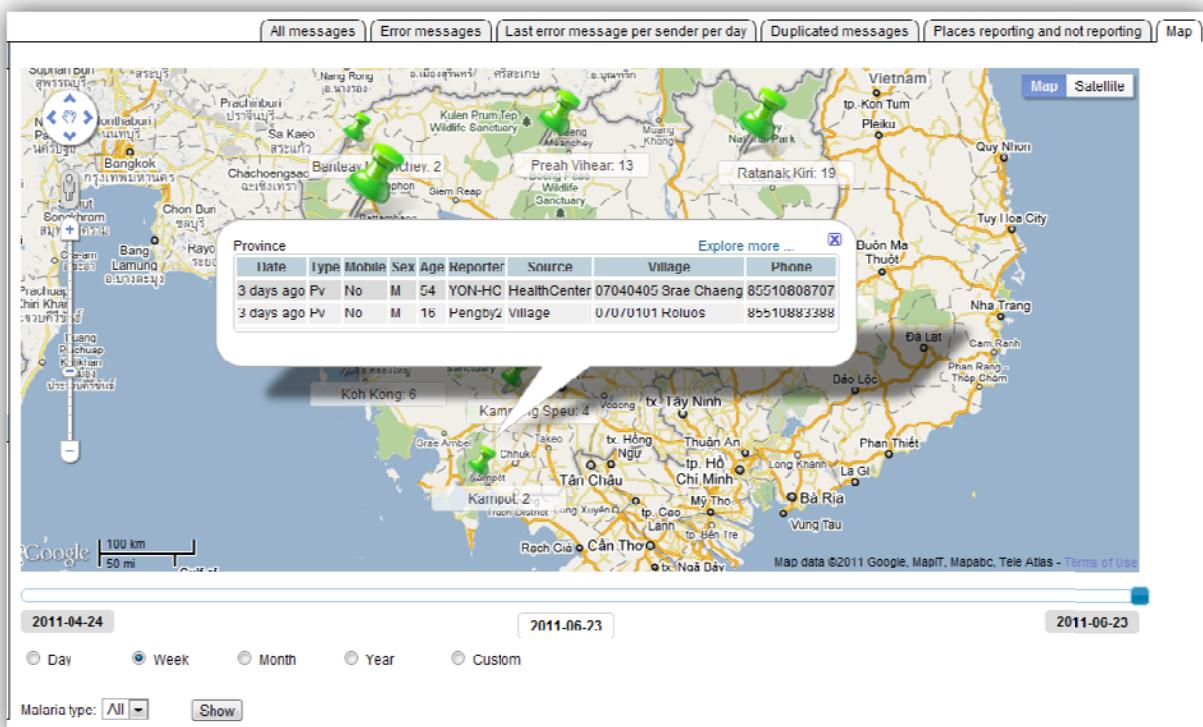
Click on the village name to view the malaria cases that was reported from this village.

Malaria	Sex	Age	Mobile	Date sent	Name	Place	Health center	OD	Province
F - Pf	Male	12	N	2011-07-05 10:16:28 +0700	01030101 Rongvean	Village	010313 Nam Tau	0103 Preah Net Preah	01 Banteay Meanchey
F - Ff	Male	12	Mobile	2011-07-05 10:18:31 +0700	01030101 Rongvean	Village	010313 Nam Tau	0103 Preah Net Preah	01 Banteay Meanchey
F - Ff	Male	12	Mobile	2011-07-05 10:29:54 +0700	01030101 Rongvean	Village	010313 Nam Tau	0103 Preah Net Preah	01 Banteay Meanchey
F - Pf	Male	12	Mobile	2011-07-05 10:40:45 +0700	01030101 Rongvean	Village	010313 Nam Tau	0103 Preah Net Preah	01 Banteay Meanchey

A.6 – VIEW MALARIA REPORT ON THE MAP

Click on **Map** tab to see aggregate case reported from each place on the map. By default the map display aggregate data of province level. Click on push pin on the map to see the detail information of malaria case reported.

Note: Size of push pin is relevant to number of malaria cases reported



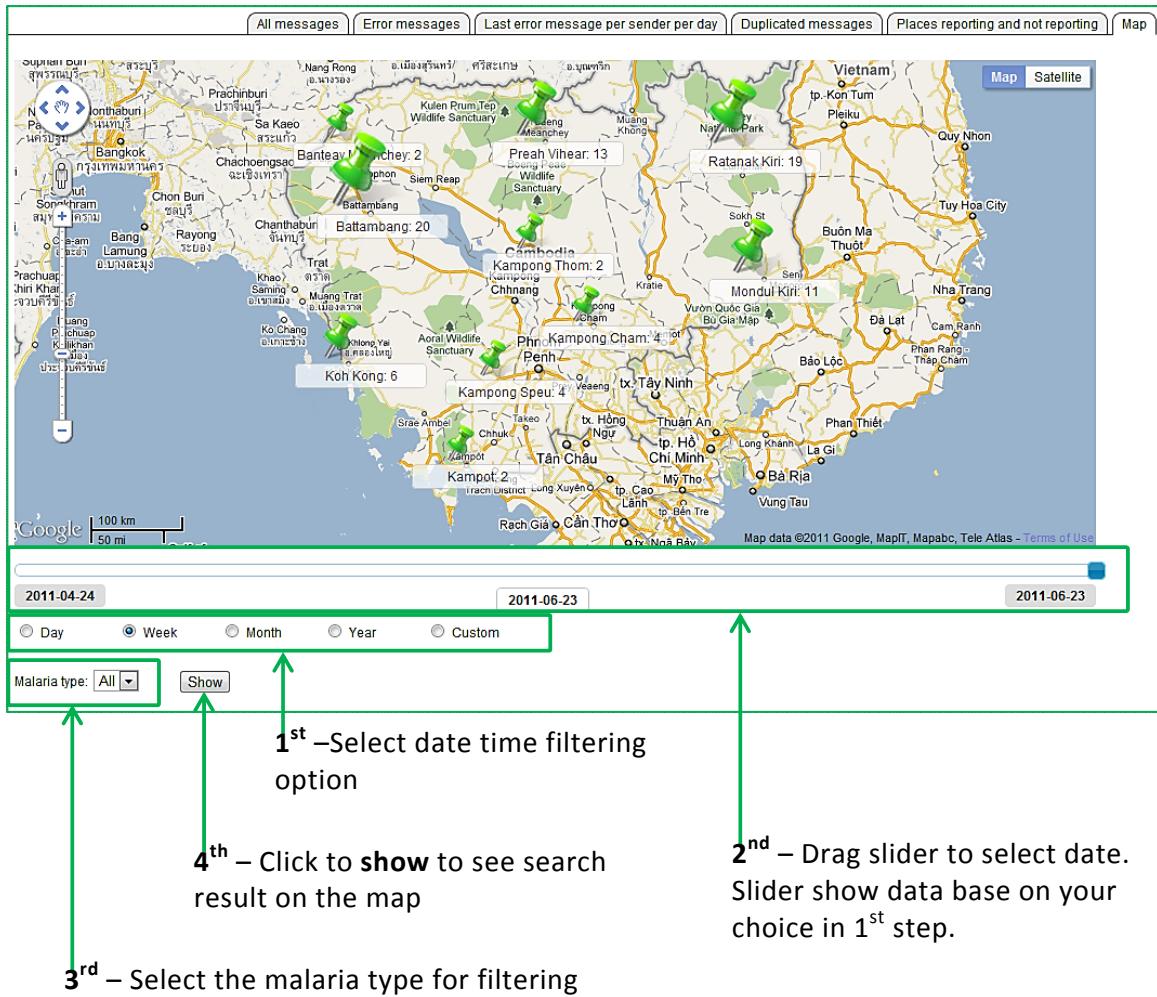
Click on **Explore more...** on the pop up dialog to see map visualization of one level lower

A.7 –MAP VISUALIZATION WITH FILTERING

You can filter malaria report by day, week, month, and year or by a certain period of time and visualize the result on the map.

1. Click on **Map** tab
2. Below the map, choose filtering option as explain in the following:
 - o **Day:** to filter malaria case report by day
 - o **Week:** to filter malaria case report by week
 - o **Month:** to filter malaria case report by month
 - o **Year:** to filter malaria case report by year
 - o **Custom:** To filter malaria case reporting in a period of time. Enter start and end date that you want to do filtering.

3. Slider located just below the map, drag to move backward and forward the time criteria as you had chosen earlier
4. **Malaria Type:** choose to filter by malaria type. You can filter by all malaria type or by Pf or Pv
5. Click **Show** button to view result on the map base on the criteria you had provided.



A.8 – BLAST MESSAGE TO USER(S)

The System allows you to send SMS blast message to users who has registered in system.

You can select user in province level, OD level, HC level or Village level to send the blast message to.

- If National level is selected, then blast message can be sent to PHD, OD, HC and village level.
- If PHD level is selected, then blast message can be sent to OD, HC and village level that under its catchment area.
- If OD level is selected, then blast message can be sent to HC and village level that under its catchment area.
- If HC level is selected, then blast message can be sent to village level that under its catchment area.

Malaria Consortium

You are here: National > Banteay Meanchey

Search place

Ods

- 0101 Mongkol Borei
- 0102 Ou Chrov
- 0103 Preah Net Preah
- 0104 Thma Puok

Users

- Kakada
- OD users (1)
- HealthCenter users (1)
- Village users (4)

សូមការពារណ៍ត្រួវបានរៀបចំ
ដោយបានដឹកជញ្ជូន

From 2011-05-01 To 2011-06-30

Village Health center

Reported Not reported

reports in Banteay Meanchey- 01

No	Name	Code
1	Banteay Neang	010115
2	Kum Rou	010402
3	Nam Tau	010313

In this figure province Banteay Meanchey is selected, then blast message can be sent to OD users, HC users and village users in Banteay Meanchey province.

B- USERS

Users are the malaria health staffs who have registered to system to send malaria day zero case or to receive notification.

B.1- ADDING NEW USER TO THE SYSTEM

User's role is classified in to 3 different roles as below:

- **Default:** This role for assign to user type VMW, health center, operational district and provincial
- **National:** This role for the user at national level
- **Admin:** This role for system administrator

There are 2 ways to add new user to system whether as individually or as a list of users.

B.1.1 - Adding New User Manually

1. Click on **Users** menu
2. Fill in the new user information as the following fields:
 - a. **Name:** is the name of user. This field is required
 - b. **Email:** the email of user. This field is not required for default user
 - c. **Phone:** Phone number of user. This field is required
 - d. **Password:** Password of user for login to system
 - e. **Place:** Location of user. This field is required for default user.
 - f. **Role:** role of user
3. Click **Add** button to create this user

Users							
Name		Email	Phone	Password	Place	Role	
An Yon		ynn@insterid.org	0551790822	*****	24010215 Tuek Phos (Village)	default	Add
admin		admin@md0.com		*****		admin	Edit Delete
Ynn		ynn@md0.com	0551790820	*****	Ou Thum (Village, 01020101)	default	Edit Delete
Channe		channe@instield.org	055126977670	*****	Phnum (Village, 01020102)	default	Edit Delete
Yon2		yon2@md0.com	05510808070	*****	Hongvean (Village, 01030101)	default	Edit Delete
Channe?		martin@md0.com	05569000777	*****	Ranteay Neang (Health Center, 010115)	default	Edit Delete
Channa		channa@md0.com	055118192810	*****	Mongkol Boeung (Ou, 0101)	default	Edit Delete
Kakada		kakada@md0.com	0551110900	*****	Uanteay Meanchey (Province, 01)	default	Edit Delete
Ynn3			055680808220	*****		nonlocal	Edit Delete
Steve		smellor@ozermail.com.au	05511819281	*****	Pailin (Province, 24)	default	Edit Delete
test1		test@jtest1.com	0907616265	*****	Ou Thum (Village, 01020101)	default	Edit Delete

B.1.2 - Adding a List of New Users

1. Click on “Import users” link on the top-right or the user list
2. Click on link “Download a template” to fill up users’ information. Once this list of users is prepared you can upload the list to system by click on “Upload CSV File”
3. Select CSV file that you had prepared above to import then click Open button

The system will then do verification to data on the upload file. If there is any error, it will be listed.

Import users								
<input type="button" value="Upload CSV file"/> # Total records : 12 # Bad records : 4 # Good records : 8								
#	Name	Email	Phone	Password	Place	Role	Status	
1	Kimleang	0551234567/0		01020405	default	Success		
2	Dara	0551234567/9		01020403	default	Success		
3	DongThy	05512345600		01030512 <i>Place doesn't exist</i>	default	Failure		
4	Somy	055123456801		02000202	default	Success		
5	Maneth	05512345602		02000201	default	Success		
6	Ianna	05512345603		02000202	default	Success		
7	Thin	05512345684		02040506	default	Success		
8	Iyna	05512345685		02000302	default	Success		
9	Puchi	05512345686		00070402 <i>Place doesn't exist</i>	default	Failure		
10	Kuli	05512345687		12010203 <i>Place doesn't exist</i>	default	Failure		
11	Ghom	05512345688		02030302	default	Success		
12	Bulh	05512345689		02040708 <i>Place doesn't exist</i>	default	Failure		

Don't know what the CSV should look like? [Download a template](#), fill it and then upload it clicking on the button above.

In this figure, there are 4 users can't import and 8 users can import to the system.

4. Click on button “Confirm import now” to confirm import.

B.2- EDIT USER

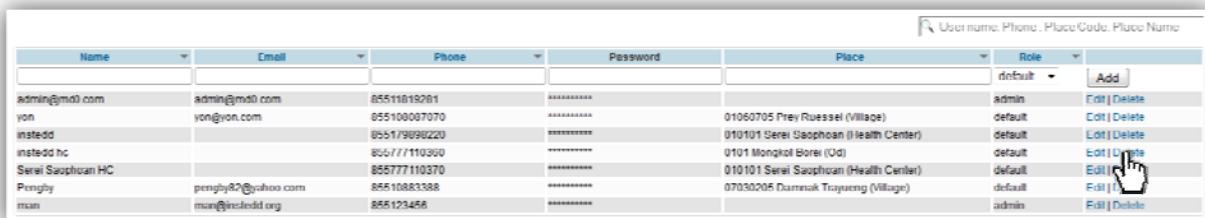
System administrator has access right to edit user. Click on “User” menu on the top menu bar. Then click on **Edit** link of any row to start edit user.

<input type="text"/> User name, Phone , Place Code, Place Name								
Name	Email	Phone	Password	Place	Role			
admin@md0.com	admin@md0.com	05511619281	*****	01060705 Prey Russei (Village)	admin	Edit Delete		
yun	yun@vnr.com	055106087070	*****	01060705 Prey Russei (Village)	default	Edit Delete		
instedd		99b1/9898220		010101 Serai Saophoan (Health Center)	default	Save	Cancel	
instedd hc		855777110300	*****	0101 Mongkol Borei (OD)	default	Edit Delete		
Serai Saophoan HC		855777110370	*****	010101 Serai Saophoan (Health Center)	default	Edit Delete		
Perryby	perryby82@yahoo.com	05510683388	*****	07030205 Damnak Trayueny (Village)	default	Edit Delete		
manu	manu@instedd.org	055123486	*****		admin	Edit Delete		

B.3- DELETE USER

You can delete user if you don't want user to send or receive message with system. Even user is deleted, its past associated messages report will still remain in the system for reference and reporting.

To delete a user, click on “User” on the top menu bar. Then click on **Delete** link of any user record that you want to delete.



Name	Email	Phone	Password	Place	Role	
admin@md0.com	admin@md0.com	05511819261	*****		default	Edit Delete
yon	yon@yon.com	055109087070	*****	01050705 Prey Ruessel (Village)	admin	Edit Delete
instedd		055173696220	*****	0110101 Seren Saophoan (Health Center)	default	Edit Delete
instedd hc		055177110360	*****	01101 Mongkol Borei (Od)	default	Edit Delete
Serei Saophoan HC		055777110370	*****	0110101 Seren Saophoan (Health Center)	default	Edit Delete
Penghy	penghy82@yahoo.com	05510883388	*****	07030205 Darmak Trauyeng (Village)	default	Edit Delete
man	man@instedd.org	055123456	*****		admin	Edit Delete

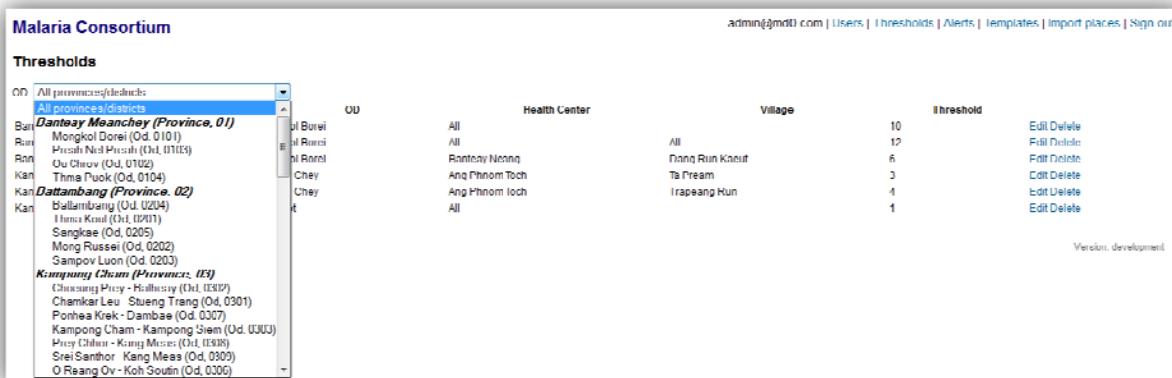
C- THRESHOLD SETTING

This option enable threshold alert setting for alert new malaria case reporting to Operational District level. The alert can be set as one of the option below:

- Alert for every new case reported
- Alert if total number of case reported from the place in the last 7 days has reach X number. X is value that can be set in the system.

To set threshold alert:

1. Click on **Thresholds** menu
2. Select OD that you want to set the thresholds



OD	Health Center	Village	Threshold	
All	All	All	10	Edit Delete
All	Raintry Nonn	Dang Run Kroul	12	Edit Delete
All	Ang Phnom Toch	Ta Dream	6	Edit Delete
All	Ang Phnom Toch	Irapeang Run	3	Edit Delete
All	All	Irapeang Run	1	Edit Delete

3. Select Health Center or Village that you want to set threshold

Malaria Consortium

admin@mdu.com | Users | Thresholds | Alerts | Templates | Help

Thresholds

OD: Choeung Prey - Batheay (Od. 0302)

All health centers
All villages
Batheay (Health Center, 030213)
- All villages in Batheay (Health Center, 030213)
- Batheay (Village, 03010102)
Chreaek (Village, 03010104)
Ou Mal (Village, 03010106)
Srah Pring (Village, 03010103)
Svay Pok (Village, 03010101)
Tuol (Village, 03010105)
Cheung Chhnok (Health Center, 030212)
- All villages in Cheung Chhnok (Health Center, 030212)
- Ak Tieng (Village, 03010909)
- Anlong Chrey (Village, 03010203)
Baek Peang (Village, 03010304)
Chbar Ampov (Village, 03010201)
Chea Lea (Village, 03010301)
Cheung Chhnok (Village, 03010902)
Kampong Preah (Village, 03010906)
Phnum Del (Village, 03010901)

Create Threshold

Health Center	Village	Threshold
---------------	---------	-----------

- Select **All health centers** if you want to set threshold for all health centers in selected OD.
- Or select **All villages** if you want to set threshold for all villages in selected OD
- Or select specific health center if you want to set threshold for that health center only
- Or select **All village in health center** if you want to set threshold for all village in this health center
- Or select specific village if you want to set threshold for that village only

Thresholds

OD: Choeung Prey - Batheay (Od. 0302)

All health centers
All villages
Batheay (Health Center, 030213)
- All villages in Batheay (Health Center, 030213)
- Batheay (Village, 03010102)
Chreaek (Village, 03010104)
Ou Mal (Village, 03010106)
Srah Pring (Village, 03010103)
Svay Pok (Village, 03010101)
Tuol (Village, 03010105)
Cheung Chhnok (Health Center, 030212)
- All villages in Cheung Chhnok (Health Center, 030212)
- Ak Tieng (Village, 03010909)
- Anlong Chrey (Village, 03010203)
- Baek Peang (Village, 03010304)
- Chbar Ampov (Village, 03010201)
- Chea Lea (Village, 03010301)
- Cheung Chhnok (Village, 03010902)
- Kampong Preah (Village, 03010906)
- Phnum Del (Village, 03010901)

4. Enter threshold number of message. If the total number of messages in the last 7 days reaches this threshold value then the alert aggregation of message will be sent out
5. Click **Create Threshold** button to create this threshold rule

Note: you can **edit** or **delete** this threshold afterward.

Thresholds

OD: Mongkol Borei (Od, 0101)	- All villages in Banteay Neang (Health Center, 010115) 5	<input type="button" value="Create Threshold"/>
Province	OD	Health Center
Banteay Meanchey	Mongkol Borei	All

In this figure in OD Mongkol Borei, if the villages under BanteayNeang health center's catchment area have sent case reporting message up to 5 messages in the last seven days then the alert will be sent to OD Mongkol Borei.

Thresholds

Province	OD	Health Center	Village	Threshold	
Banteay Meanchey	Mongkol Borei	All	All	10	<input type="button" value="Edit Delete"/>
Banteay Meanchey	Mongkol Borei	All	Dong Run Kacut	12	<input type="button" value="Edit Delete"/>
Banteay Meanchey	Mongkol Borei	Banteay Neang	Ia Pream	6	<input type="button" value="Edit Delete"/>
Kampot	Angkor Chey	Ang Phnom Toch	Trapeang Runi	3	<input type="button" value="Edit Delete"/>
Kampot	Angkor Chey	Ang Phnum Tuol	All	4	<input type="button" value="Edit Delete"/>
Kampot	Kampot	All	All	1	<input type="button" value="Edit Delete"/>
Banteay Meanchey	Mongkol Borei	All	All	5	<input type="button" value="Edit Delete"/>
Banteay Meanchey	Mongkul Borei	Banteay Neang	All	5	<input type="button" value="Edit Delete"/>

D- ALERT SETTING FOR PROVINCIAL, NATIONAL AND SYSTEM ADMINISTRATOR

Alert to send out to provincial, national and system administrator can be set to be disable to send out base on the alert setting for operational district.

1. Click on Alert menu
2. Set the alert option as following:

a. Provincial alert

- Disable:** New case reporting will not be sent to provincial
- Alert done whenever system sent the alert to OD:** Provincial level will receive malaria case reporting whenever OD level received it.

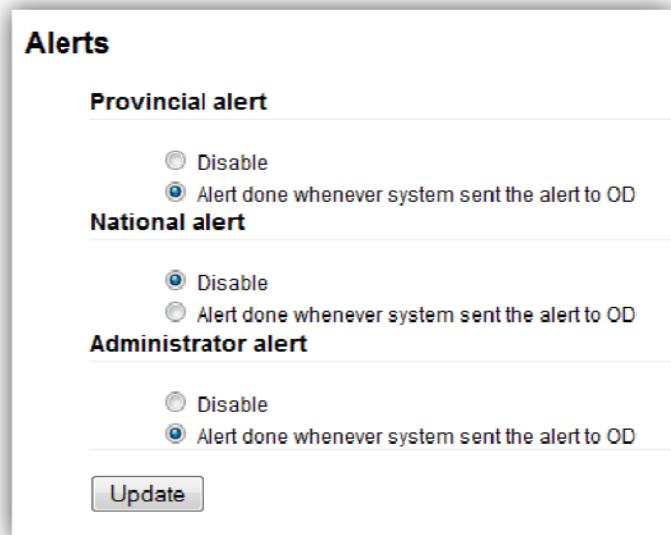
b. National alert

- Disable:** New case reporting will not be sent to national
- Alert done whenever system sent the alert to OD:** National level will receive malaria case reporting whenever OD level received it.

c. Administrator alert

- Disable:** New case reporting will not be sent to system administrator
- Alert done whenever system sent the alert to OD:** Administrator level will receive malaria case report whenever OD level received it.

3. Click **Update** button to save setting



In this figure, malaria report will delivery to the provincial and system administrator whenever OD receive alert

E- TEMPLATES SETTING

System administrator can customize template message for sending to health center, operational district, provincial, national, administrator level as well as auto-reply messages to sender.

Click on **Templates** link on the top menu and you can customize the message as below:

- 1) Template for individual case report from a village malaria worker:** System use this template message to send case reporting alert from VMW to supervised Health Center, Operation District, Provincial, National and Administrator. This is used for individual case reporting not for aggregate case reporting.
- 2) Template for individual case report from a health center:** System use this template message to send case reporting alert from Health Center to Operation District, Provincial, National and Administrator. This is used for individual case reporting not for aggregate case reporting.
- 3) Template for aggregated cases report at village level:** System use this template message to send case reporting alert from village level to supervised Health Center, Operation District, Provincial, National and Administrator. This is used for aggregate case reporting only.
- 4) Template for aggregated cases report at health center level:** System use this template message to send case reporting alert from health center to Operation District, Provincial, National and Administrator. This is used for aggregate case reporting only.
- 5) Template for successful health center report message:** for customize auto-reply message to Health Center to acknowledge a successful report.

- 6) Template for successful mobile village report message:** for customize auto-reply message to VMWs to acknowledge a successful report of mobile patient.
- 7) Template for successful non-mobile village report message:** for customize auto-reply message to VMWs to acknowledge a successfully report of non-mobile patient.
- 8) Template for invalid malaria type message:** for customize auto-reply message to VMWs and HCs if they sent invalid malaria type.
- 9) Template for invalid age message:** for customize auto-reply message to VMWs and HCs if they sent invalid age of malaria patient.
- 10) Template for invalid sex message:** for customize auto-reply message to VMWs and HCs if they sent invalid sex of malaria patient.
- 11) Template for invalid village code:** for customize auto-reply message to HCs if they sent invalid patient village code.
- 12) Template for non-existent village:** for customize auto-reply message to HCs if their malaria report message contain village code that doesn't exists in the system.
- 13) Template for too long village report:** for customize auto-reply message to HCs if their malaria report message contain village code that is too long.

F- PLACES SETTING

It is required to import places before importing users. Except for user role admin and national level which location does not necessary.

F.1- ADD PLACE MANUALLY

Places can be added one by one manually to the system.

1. Click on **Places** menu
2. Click on **Add new place**
3. Fill in the information as the following:
 - a. **Name:** the place name in English
 - b. **Name Kh:** the place name in Khmer
 - c. **Code:** the place code. This code must be unique
 - d. **Type:** select the place type. The place type can be Province, OD, Health Center, Village.
 - If the place type is OD, choose the province name that associate with that OD in the next dropdown box

- If the place type is Health Center, choose the OD name that associate with that OD in the next dropdown box
 - If the place type is Village, choose the Health Center name that associate with that OD in the next dropdown box
 - e. Input the place location by input latitude & longitude or drag & drop to the place location on the map.
4. Click **Save** button to save the new place to the system.

Name
Anlong San Village

Name kh
សង្កាត់អន្តោះសាស្តរ

Code
07010910

Type
Village

Health center
070109 Samraong Leou (Health Center)

Latitude
10.540977

Longitude
104.500579

Map | Satellite

Google 50 km 20 mi

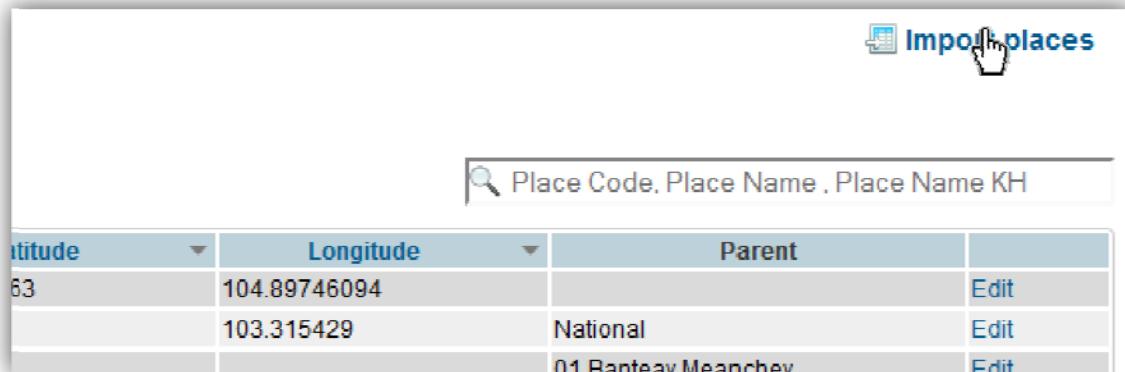
Map data ©2011 Google, MapIT, Tele Atlas, Cai Mau, Terms of Use

Save

F.2- IMPORT PLACES TO SYSTEM

You can import places in csv file format to system. CSV file template is provided for download.

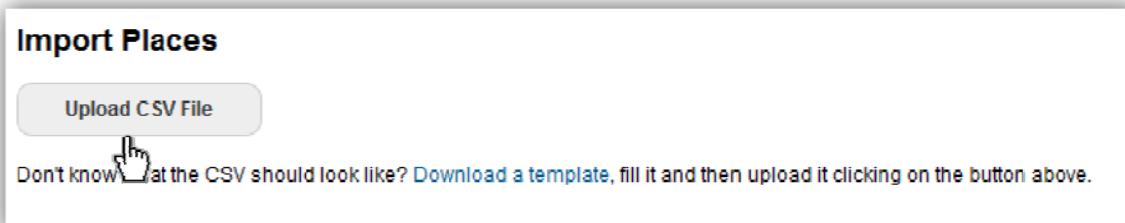
5. Click on **Places** menu
6. Click on **Import Place** link on the top-right of places list



The screenshot shows a table of locations with columns for Latitude, Longitude, and Parent. There are three rows of data. An 'Import places' button is visible at the top right of the page.

Latitude	Longitude	Parent	
63	104.89746094		Edit
	103.315429	National	Edit
		01 Ranteav Meanchey	Edit

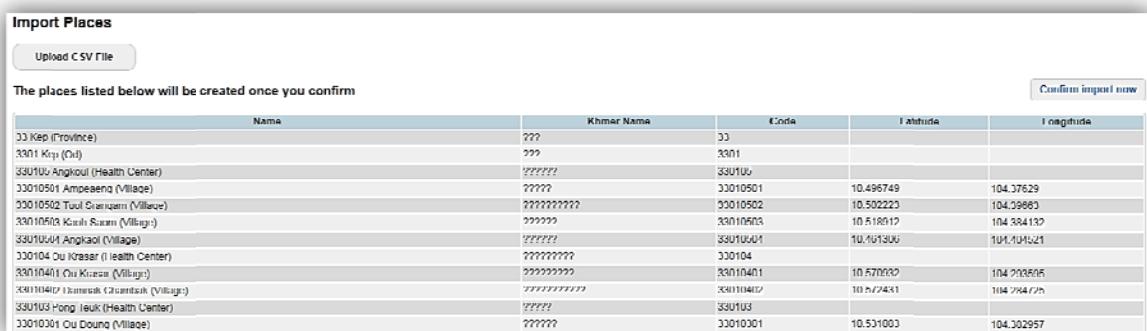
7. Click on **Import CSV file** button



The dialog box has a title 'Import Places' and a 'Upload CSV File' button. Below the button is a note: 'Don't know what the CSV should look like? Download a template, fill it and then upload it clicking on the button above.'

8. Choose your CSV file → click Open

The system will check and verify records in the uploaded file and raise error if there is any.



The screenshot shows a table of place records with columns for Name, Khmer Name, Code, Latitude, and Longitude. A 'Confirm import now' button is visible at the top right.

Name	Khmer Name	Code	Latitude	Longitude
03 Kep (Province)	???	03		
3001 Kep (City)	???	3001		
3301001 Angkorl (Health Center)	???????	3301001		
33010501 Ampaeang (Village)	???????	33010501	10.496749	104.37629
33010502 Tuol Sengen (Village)	??????????	33010502	10.502223	104.39883
33010503 Krah Siem (Village)	???????	33010503	10.511617	104.38413
33010504 Angkol (Village)	???????	33010504	10.511306	104.39421
330104 Ou Kraser (Health Center)	??????????	330104		
33010401 Ou Kraser (Village)	??????????	33010401	10.570002	104.293605
33010402 Kamnok (Village)	??????????	33010402	10.572481	104.294775
330103 Pong Leuk (Health Center)	???????	330103		
33010301 Ou Doung (Village)	???????	33010301	10.531003	104.302957

9. Click button **“Confirm import now”** to start import

Note: Place will not import if place is already exists in the system.

F.3- EDIT PLACE

1. Click on **Places** link on the top menu. Then click on **Edit** on the place record that you want to edit.

Place Code, Place Name , Place Name KH

Name KH	Latitude	Longitude	Parent	
aymanC%y	12.71536763	104.89746094		Edit
bur	13.199838	103.315429	National	Edit
ynag			01 Banteay Meanchey	Edit
FM	13.515886	103.035533	010115 Banteay Neang	Edit
	13.515748	103.017986	010115 Banteay Neang	Edit
ynag	13.512133	103.018016	010115 Banteay Neang	Edit
eBñA	13.50483	103.008841	010115 Banteay Neang	Edit
	13.51026	103.009719	010115 Banteay Neang	Edit
	13.501803	103.005532	010115 Banteay Neang	Edit
Tneab;	13.489512	103.014509	010115 Banteay Neang	Edit
k	13.490517	103.027429	010115 Banteay Neang	Edit
	13.487784	103.024681	010115 Banteay Neang	Edit
eaBn	13.402361	103.030329	010115 Banteay Neang	Edit

2. Edit the place information then click **Save** button when done.

Edit Village

Name	<input type="text" value="Trang"/>
Name kh	<input type="text" value="Rray"/>
Code	<input type="text" value="01020105"/>
Health Center	<input type="text" value="010115 Banteay Neang (Health Ce"/>
Latitude	<input type="text" value="13.51026"/>
Longitude	<input type="text" value="103.009719"/>

The map displays a portion of Southeast Asia, specifically Thailand, Cambodia, and Vietnam. A red marker is positioned in northern Thailand, likely indicating the location of the village named 'Trang'. The map includes labels for various cities like Bangkok, Chiang Mai, and Phnom Penh, along with provincial boundaries and major roads.