

DHIS2 Overview

HISP India

Global HISP and HISP India

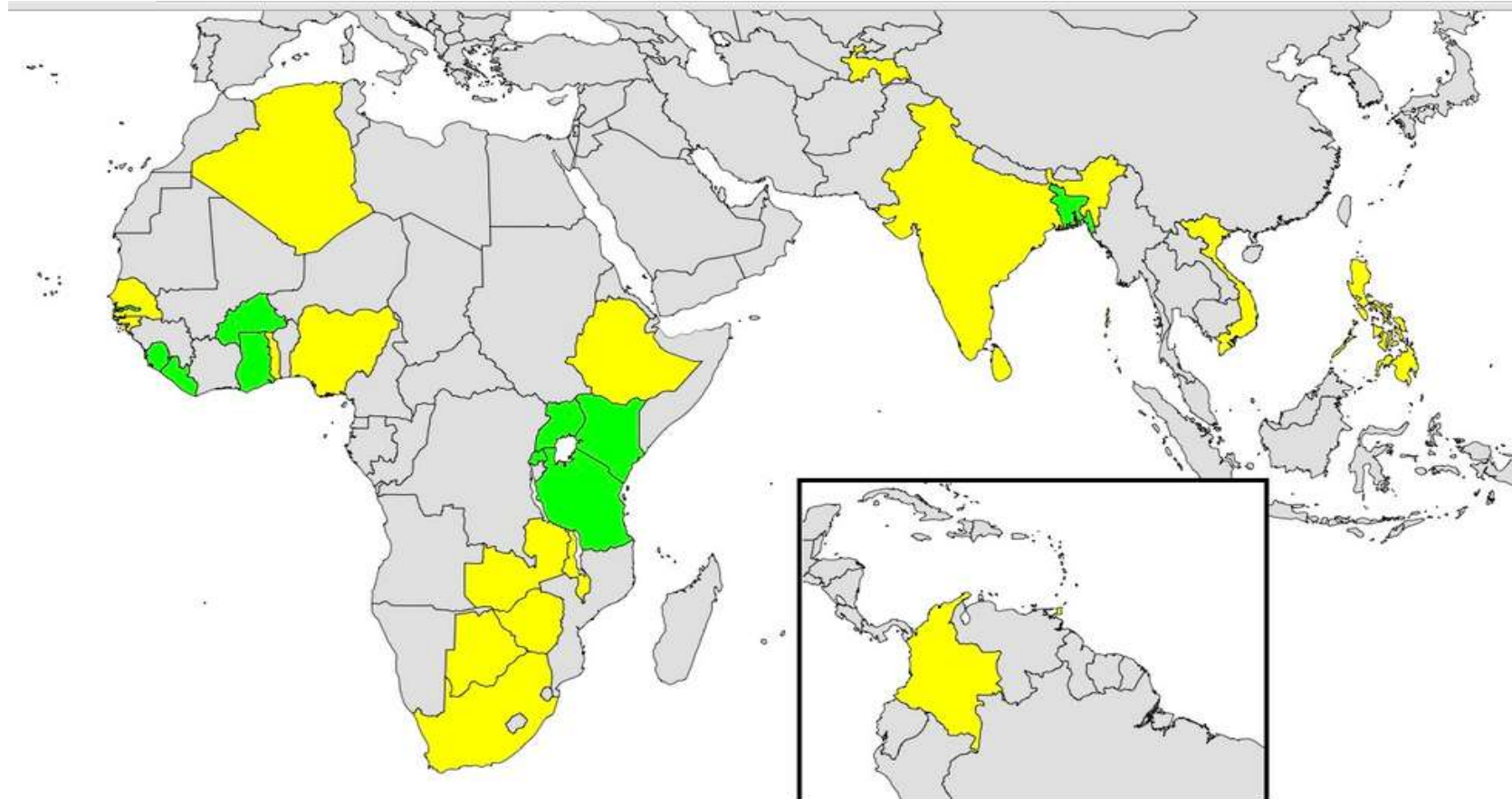
- Global HISP is a R&D network around Health Information Systems coordinated by University of Oslo.
- HISP India, a NGO, is a node in this network, working in Indian states since 2000
- Providing technical support around design, development, implementation of HIS for government, in India and South Asia
- A team of about 35 people – with informatics and public health backgrounds
- Global Partnerships: GIZ, MoH Bangladesh, Sri Lanka – HISSL, Oslo, PATH, USA, FAO, Dimagi and others
- Nationally: with state governments, NHSRC, multiple educational institutions

Product portfolio

... a composite suite of integrated information system – a data warehouse - comprising of

- DHIS2 Routine HMIS
- DHIS2 Hospital
- DHIS2 Tracker
- DHIS2 GIS
- Mobile integration
- iHRIS
- Integrated Information Portal
- FAO - Food Security
- WHO Data Quality Report Card (in requirement phase)

DHIS2 World Wide Implementation Over view



The DHIS 2 software is used in more than 30 countries in Africa, Asia, and Latin America, and countries that have adopted DHIS 2 as their nation-wide HIS software include Kenya, Tanzania, Uganda, Rwanda, Ghana, Liberia, and Bangladesh.

Green = National HIS deployment

Yellow = Sub-national, pilot, or program-specific deployment

DHIS2 functionality Overview

- Free and Open Source
- Platform Independent
- Multi-Language
- Online and offline support
- Runs on most relational databases
- Not restricted to specific programs
- Focused on users rather developers
- Integrated with Mobile
- Supports Integration with other systems
- Interoperable – Tracking, Hospital System, Human Resource System etc

Customizations within DHIS2 – in HISP India

- IDSP
- School Health
- Cold Chain Equipment Management
- RIMS (Routine Immunization Management System)
- State specific programs such as Nava Sanjeevini, Nayee Peedhi Swasthaya Yojna.
- Integration with Other HMIS applications such as GOI NRHM Portal, TNHMIS etc
- Many more.....

Services Portfolio – HISP India

- Requirements studies
- Information flows rationalization
- Integration studies
- Capacity building
- Evaluation
- Technical support
- Server Management support

DHIS2 Functionality Highlights

Dashboard with live charts

dhis2

DHIS 2 Demo - Sierra Leone

Maintenance

Services

Help

Profile

DHIS Administrator • [Write feedback](#) • [2 unread messages](#) • [Share interpretation](#)

Profile

Messages

Interpretations

Search for users, charts, maps and reports

Insert Close Clear

Reports

- ANC: Coverages This Year ✕
- ANC: Visits This Year ✕
- Feedback: Indicator Report ✕
- Immunization: Report by Facility Type ✕
- Maternal Health: Deliveries at home vs health facility ✕

Insert Close Clear

Maps

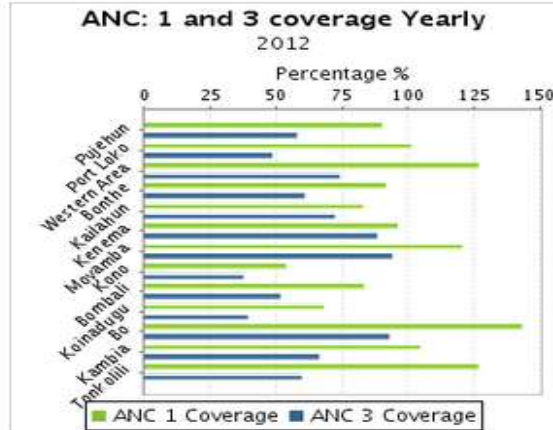
- ANC LLITN Cov Chiefdom 2012 ✕
- ANC: 3rd visit coverage 2012 by district ✕
- Immunisation: Fully Imm. Child 2012 by Chiefdom ✕
- Immunization: BCG Cov Districts 2012 ✕

Insert Close Clear

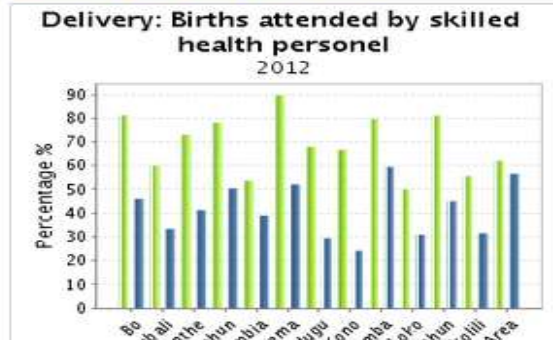
Report table

- ANC: District Maternal Health ✕
- ANC: Key Coverages ✕
- ANC: Visits by fixed/outreach ✕
- ANC: Visits by org. unit ✕

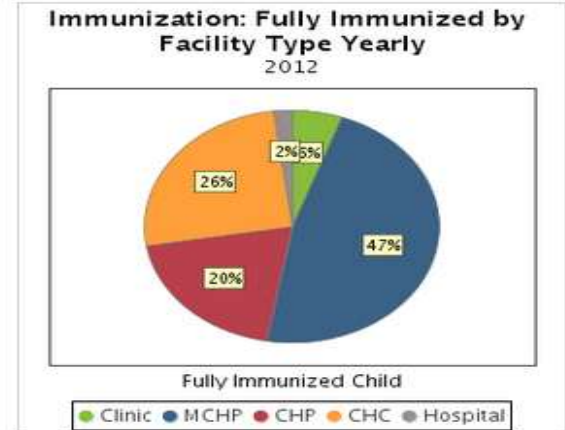
Insert Close Clear View full size Share



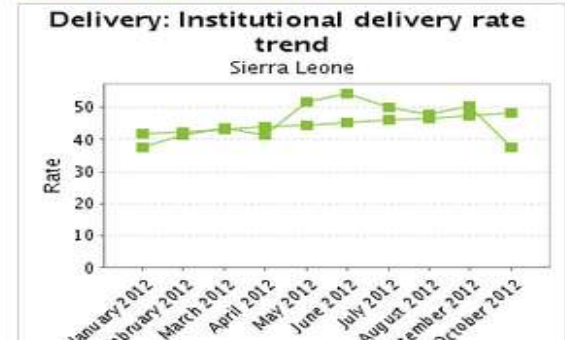
Insert Close Clear View full size Share



Insert Close Clear View full size Share



Insert Close Clear View full size Share



Gives an overview of your most important charts and quick access to your favourite reports and GIS views.

Interpretations

dhis2

DHIS 2 Demo - Sierra Leone

Maintenance

Services

Help

Profile



Dashboard

Dashboard
Profile
Messages
Interpretations

DHIS 2 Online

Home Page
Launched Site

Interpretations

Share your own interpretations from Data visualizer, GIS, Report table or Data set report



DHIS Administrator 2012-11-14

Koinadugu has a very high LLITN coverage despite low density of facilities providing nets.

ANC: LLITN coverage district and facility

Ali Nana 2012-11-14

Pujehun is doing poor despite having a high number of facilities providing LLITN.

Add a comment...

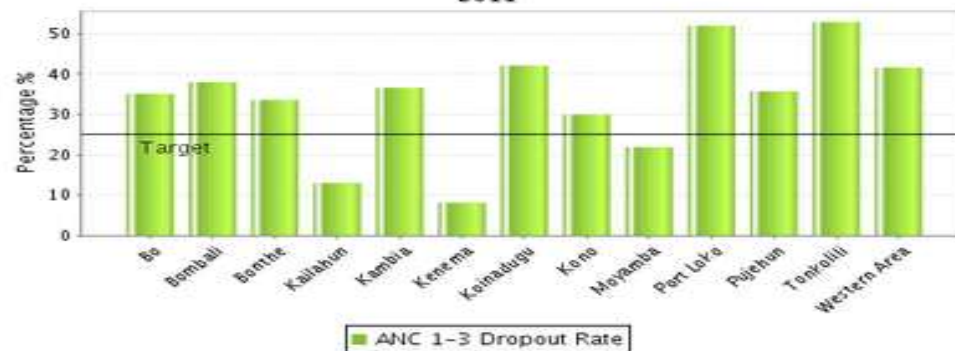
Post comment



Robert Malai 2012-11-14

We can see that the drop-out rate in Kenema is very low while Port Loko and Tonkolili have high values. This might be because the service provision in Kenema is a lot better. We should also investigate potential missing values which drive up the dropout rates.

ANC: 1-3 dropout rate Yearly
2011



Ali Nana 2012-11-14

If you drill down to Tonkolili you will see that all chiefdoms have a consistent dropout rate. This indicates that the data might be valid.

Internal Messaging System in DHIS2

Kenya HIS

Maintenance Services Help Log out

Messages

Write message
Write feedback

Sender	Subject	Date	Operations
wanjala Pepela	facility with children	2011-12-23	
Robert Mbajo	Common Missing Indicators	2011-12-23	
francis gikunda	guest account	2011-12-23	
Jeremiah Mumo	DATA VISUALIZER	2011-12-22	
Gladys Nyangoto	New version of DHIS 2	2011-12-21	
Samuel Cheburet	Getting district data	2011-12-20	
Walter Nzaka	IDSR	2011-12-20	
Lars Helge Øverland	PERIOD ON DATA ENTRY	2011-12-20	
Lars Helge Øverland	District Demographic Data (all Kenya, current year)	2011-12-20	
francis gikunda	Nutrition reports	2011-12-19	
Lars Helge Øverland	non opened existing facilities	2011-12-08	
Samuel Cheburet	locally stored data	2011-12-07	
Samuel Cheburet	problem with header icons	2011-12-07	
Joyce Sambu	locally stored data	2011-12-07	
Samuel Cheburet	service do not displays data entry	2011-12-06	
paul odongo	DATA VALIDITY AND QUALITY CHECKS	2011-12-06	
Samuel Cheburet	TB INFORMATION SYSTEM DATA BASE- The Best Kept secret?	2011-12-06	
Samuel Cheburet	change wrong entry.	2011-12-05	
Lars Helge Øverland	missing District population estimates	2011-12-04	
shinichi suzuki	Coordinates	2011-12-04	
shinichi suzuki	data validation	2011-12-04	
shinichi suzuki	Correction: Putting in coordinates for Health Facilities	2011-12-04	

Messages can be sent to system users for feedback and notifications. Messages can also be delivered to email and SMS.

Chart with trend lines



Dashboard • Write feedback • 3 unread messages • 2 new interpretations

Messages

Interpretation

Viewing ANC: IPT 1 and 2 trends



Insert Close Clear

Reports

ANC Coverage Quarterly

ANC Coverages

ANC Visits

District Maternity Health

Nutrition

Insert Close Clear

Map views

ANC 1st visit Facility 2011

ANC 3 District 2011

Penta 3 Cov Chiefdom 2011

Skilled deliveries Chiefdom 2011

Skilled deliveries Districts 2011

Insert Close Clear

Report table

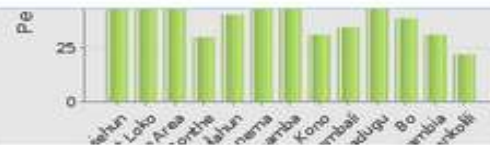
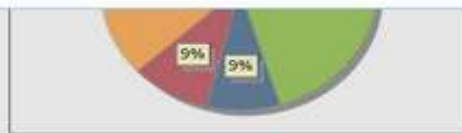
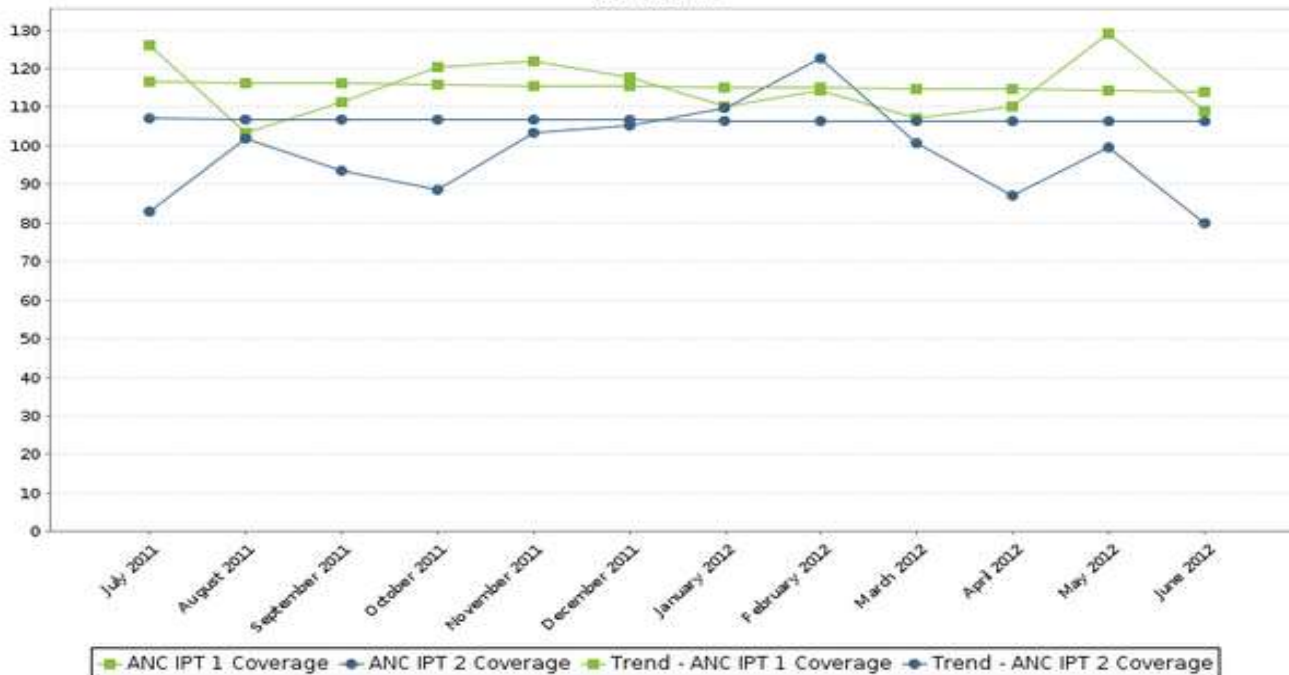
ANC coverages

ANC visits by fixed/outreach

ANC visits by organit

District Maternal Health

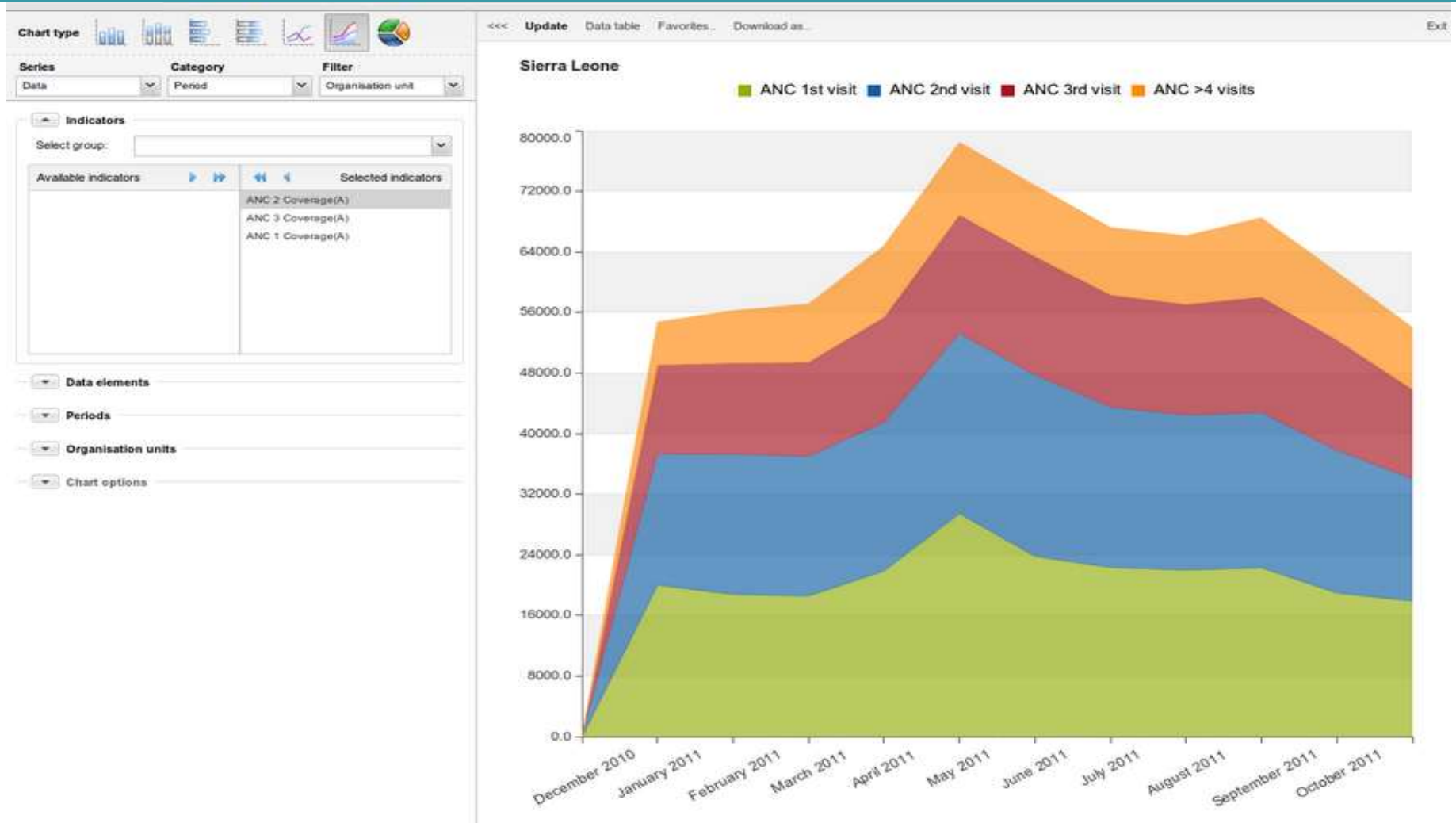
ANC: IPT 1 and 2 trends
Sierra Leone



Three-dimensional integrated bar and line charts with trend-lines based on indicator data.

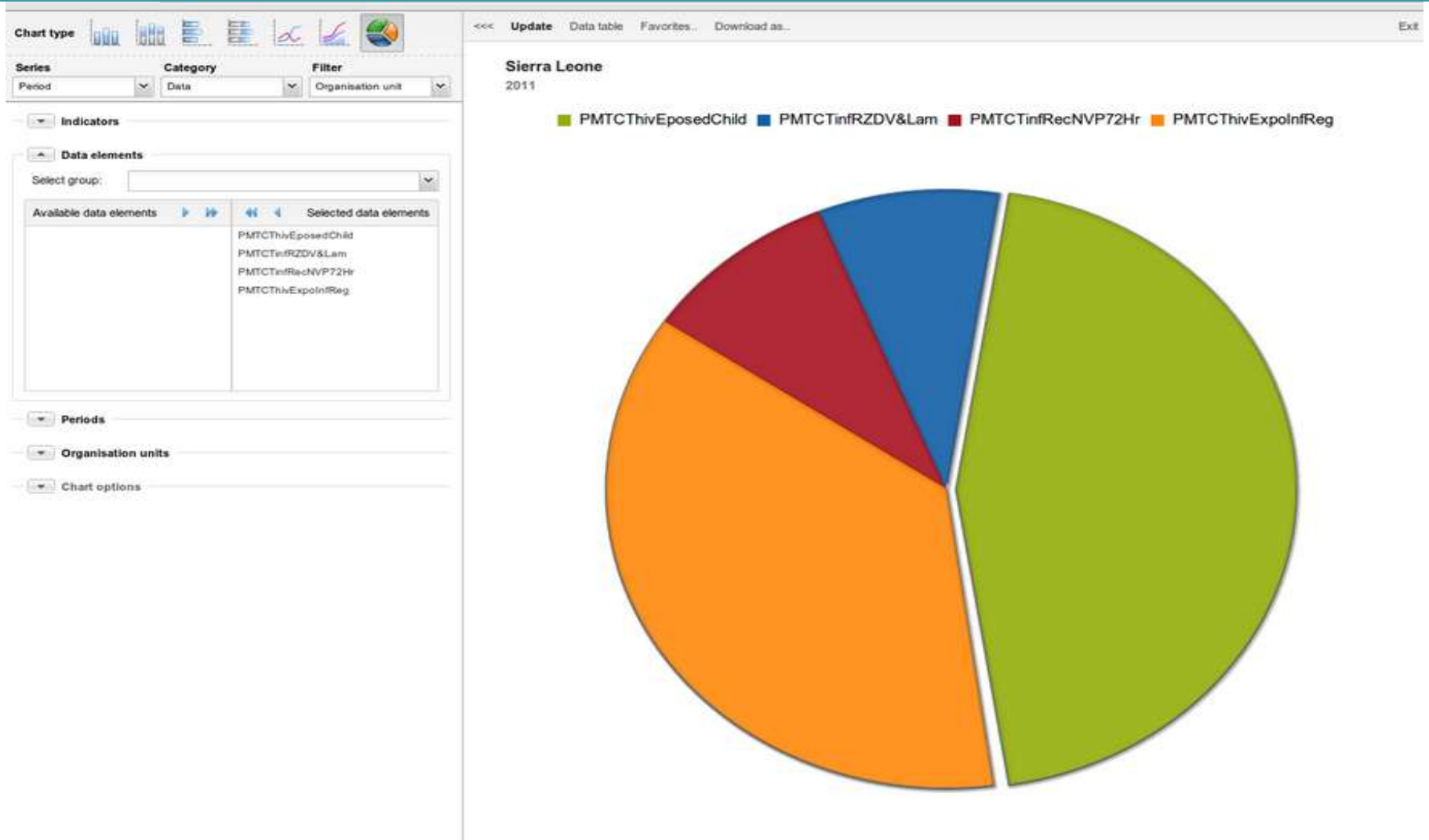


Data visualizer area chart



Data visualizer module for flexible visualizations including area charts. Users can freely select indicators and org unit to include.

Data visualizer pie chart



Pie chart. Which dimension to use as series, category and filter can be changed from the left menu.

Data visualizer line chart

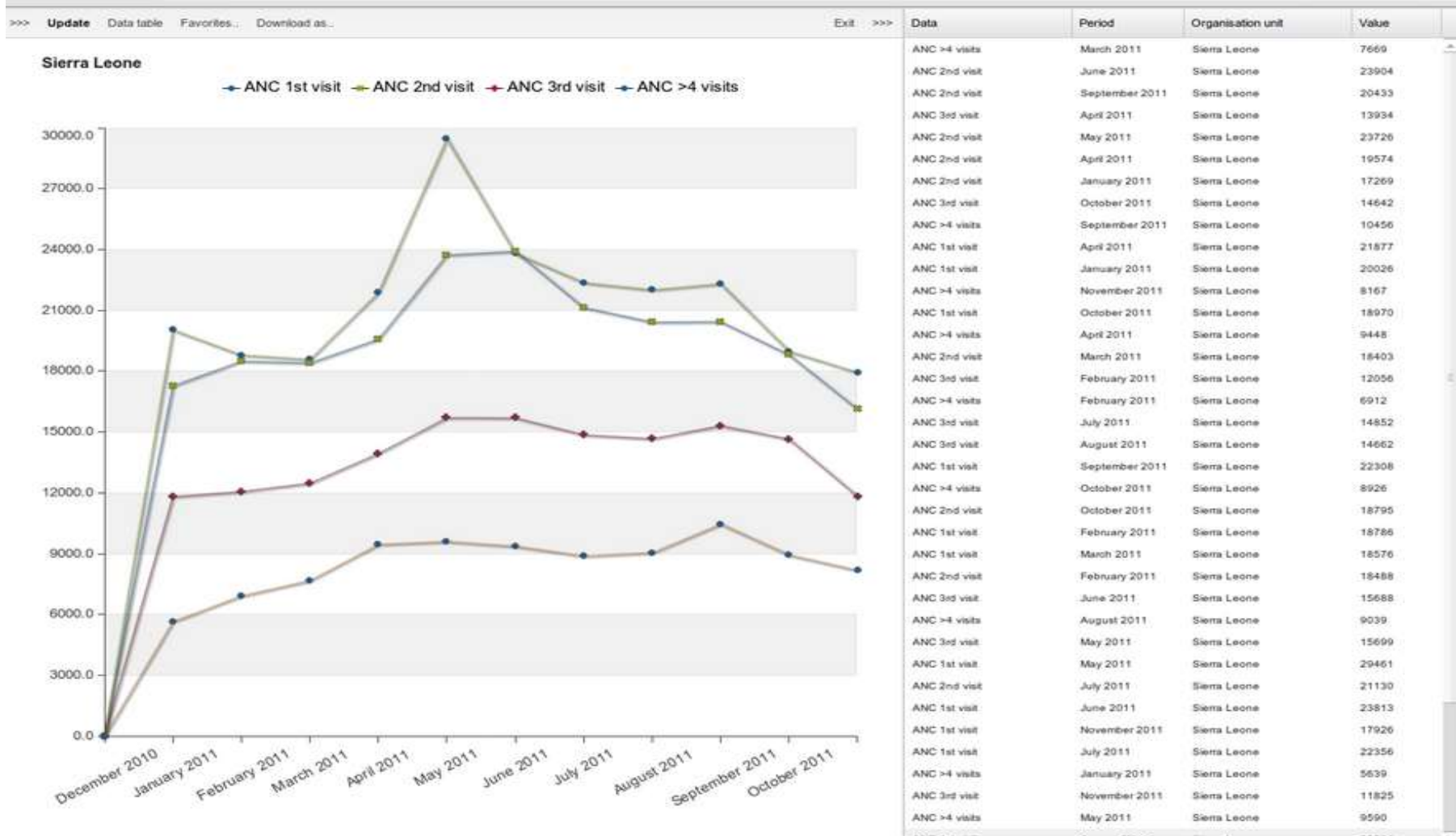
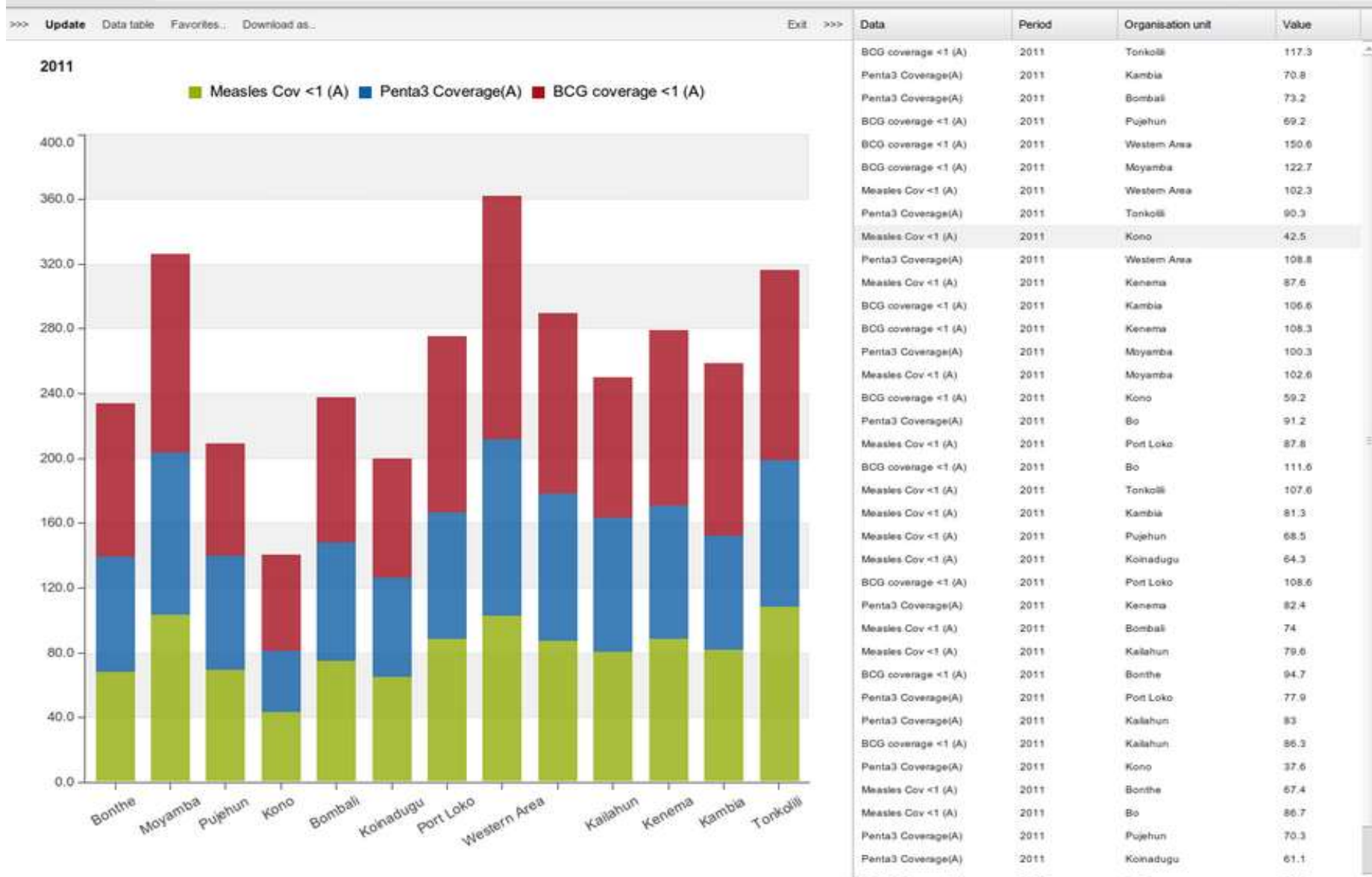


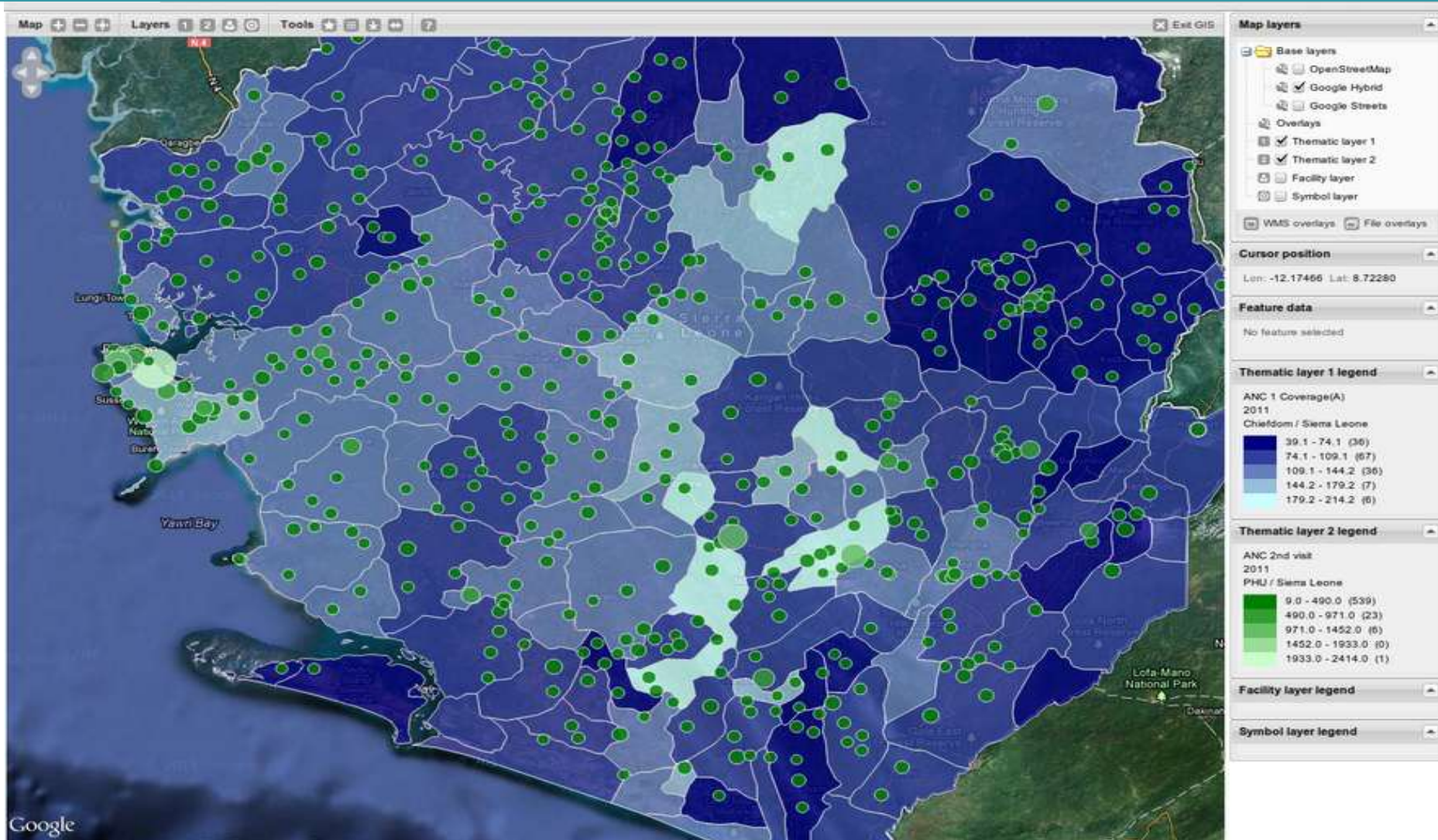
Chart data can also be viewed in a data table.

Data visualizer stacked bar chart



GIS :WHO Open Health Mapper Module in DHIS2

GIS combined thematic layers



Two thematic map layers can be displayed on top of each other.

GIS facility layer

Map Layers Tools Exit GIS

Map layers

- Base layers
 - OpenStreetMap
 - Google Hybrid
 - Google Streets
- Overlays
 - Thematic layer 1
 - Thematic layer 2
 - Facility layer
 - Symbol layer
- WMS overlays
- File overlays

Cursor position

Lon: -11.40013 Lat: 9.07284

Feature data

No feature selected

Thematic layer 1 legend

Thematic layer 2 legend

Facility layer legend

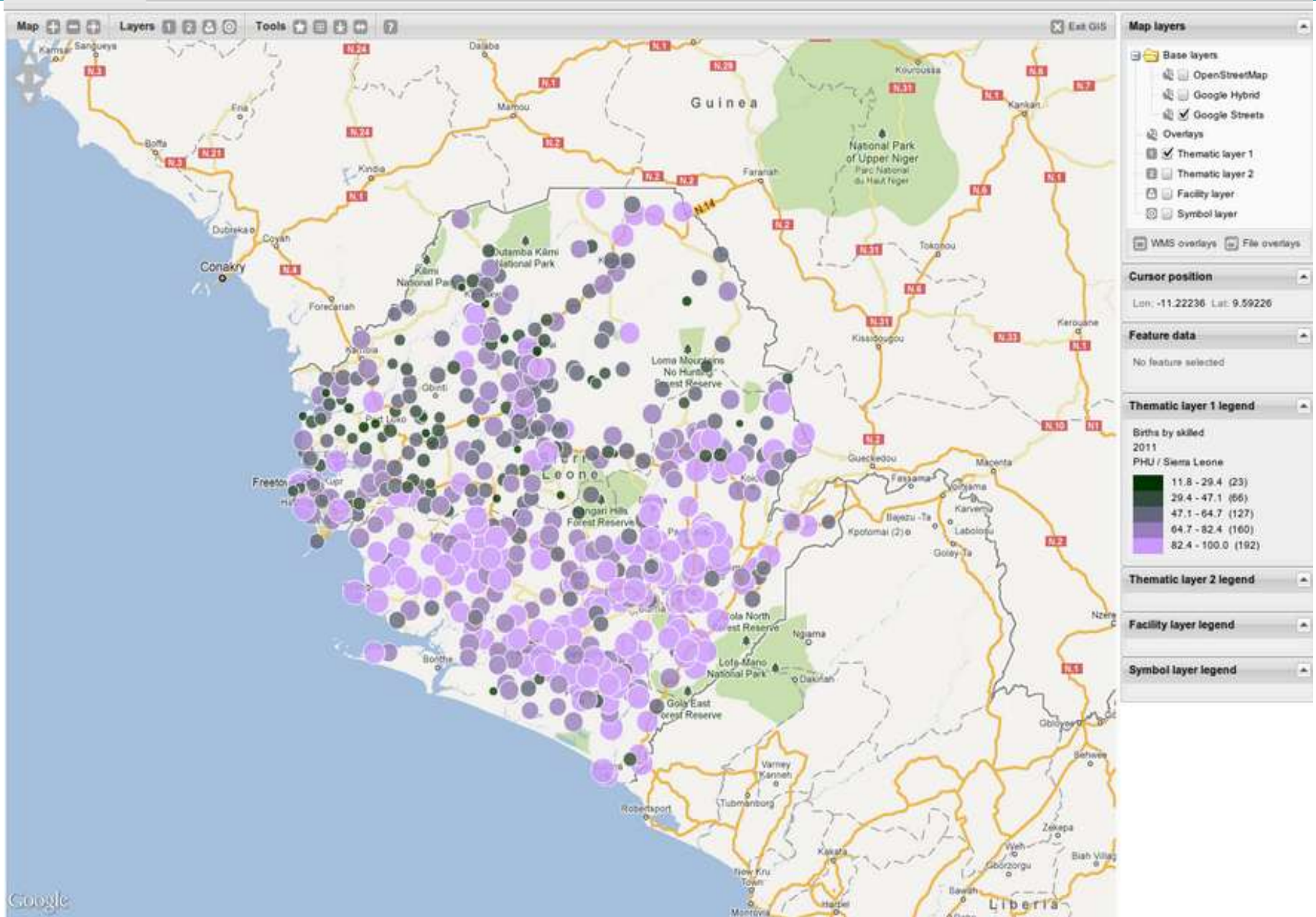
PHU / Sierra Leone

- CHC
- CHP
- Chiefdom
- Clinic
- Country
- District
- Health Center
- Hospital
- MCHP
- Other health facility

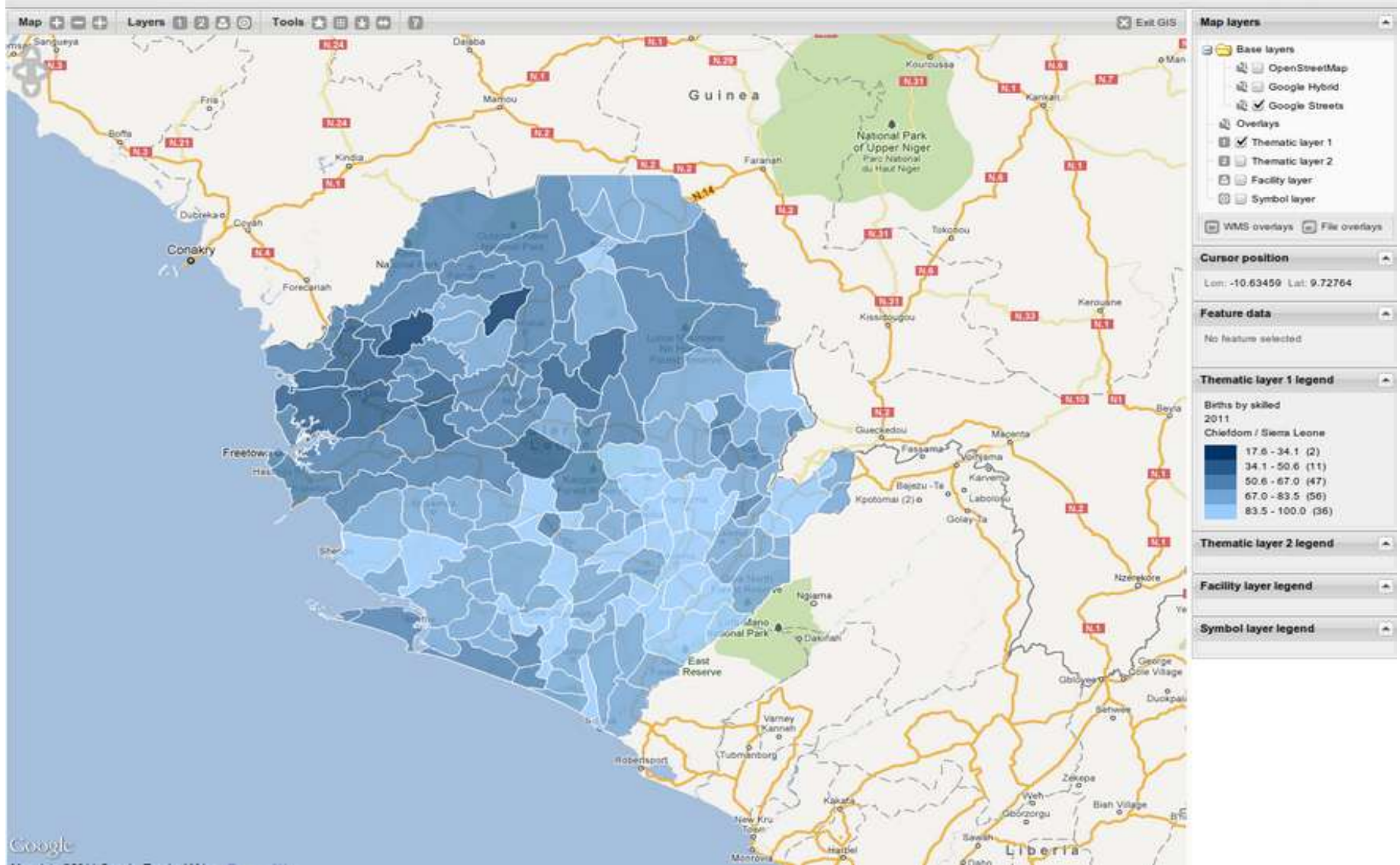
Symbol layer legend

The facility layer lets you represent facility locations by type or ownership with custom symbols.

GIS thematic layer with facilities

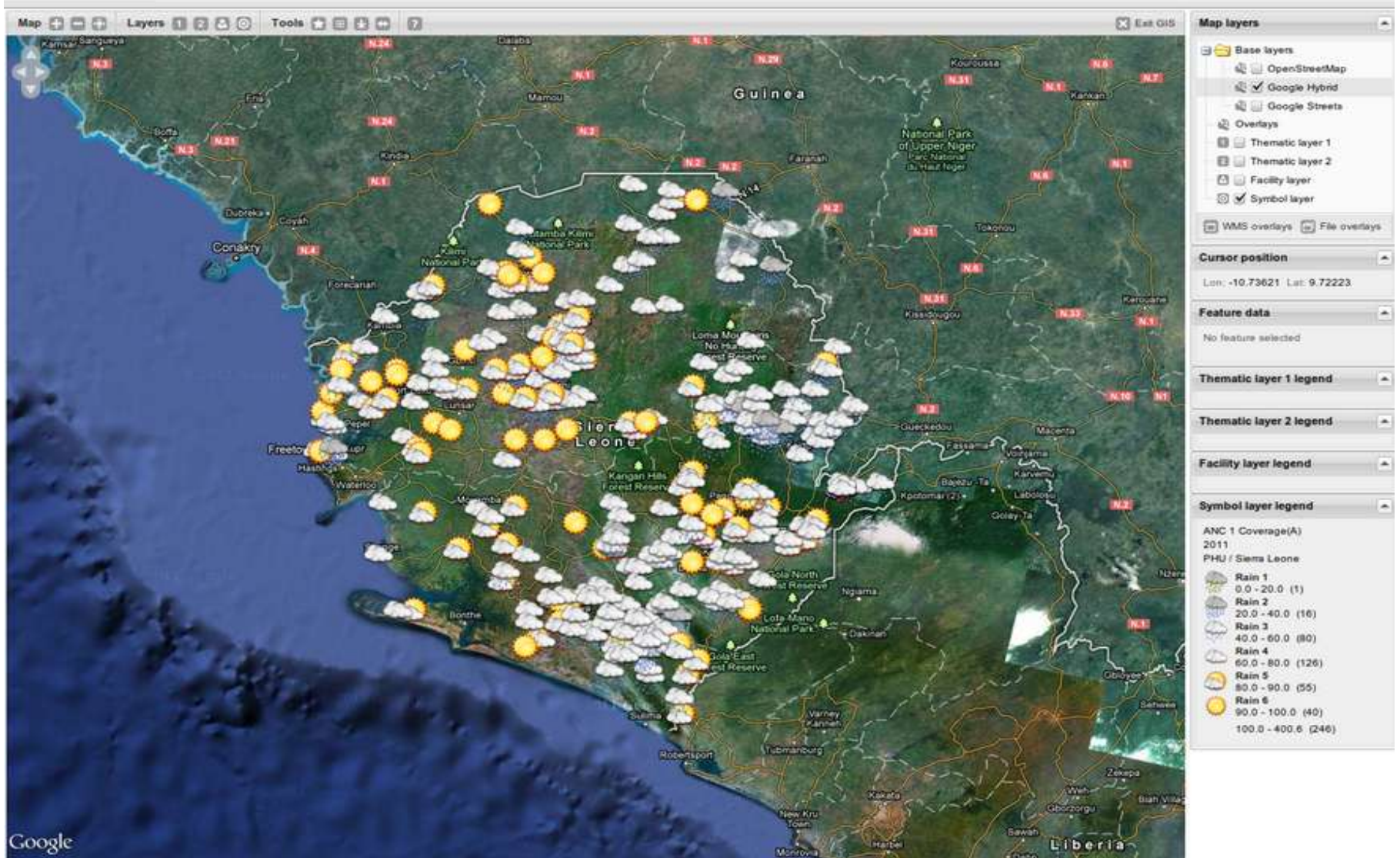


GIS thematic layer with polygons



There are two thematic layers available which both can display polygons (like districts) and points (like facilities).

GIS symbol layer



The symbol layer can visualize data through custom symbols (images), for instance weather data.

Setting up DHIS Application

- Establishing Organisation Unit Hierarchy
- Defining Dataentry Forms for different orgunit levels
- Defining Validation Rules
- Defining Indicators
- Defining pre-formatted Reports

Establishing Organisationunit Hierarchy

The screenshot displays the DHIS2 web interface for Himachal Pradesh HMIS. The top navigation bar includes the DHIS2 logo, the system name 'Himachal Pradesh HMIS', and links for 'Maintenance', 'Services', 'Help', and 'Log out'. On the left, a sidebar menu is visible under the heading 'Organisation unit', listing options such as 'Organisation Unit', 'Organisation Unit Group', 'Organisation Unit Group Set', 'Organisation Unit Level', 'Organisation Unit Search', and 'Hierarchy Operations'. Below this, a tree view shows the organizational structure starting with 'India' and 'HIMACHAL PRADESH'. Under 'HIMACHAL PRADESH', various districts are listed, including BILASPUR, CHAMBA, HAMIRPUR, KANGRA, KINNAUR, KULLU, LAHUL And SPITI, MANDI, SHIMLA, and SIRMAUR. The 'BILASPUR District' is expanded, showing sub-units like 'Bilaspur RH (F.P. Centre Bilas)', 'Block Ghumarwin', 'Block Jandutta', 'Block Markand', and 'Private Institutions'. A red circle highlights this tree view.

The main content area is titled 'Organisation unit management'. It features a search filter 'Filter by name:' with input fields and 'Filter' and 'Clear' buttons. An 'Add new' button is located to the right. Below the filter is a table with two columns: 'Name' and 'Operations'. The table lists 12 districts, each with a corresponding row of icons for edit, delete, and information. At the bottom of the table, there are pagination controls: 'No. of pages: 1', 'No. of rows per page: 50', 'Jump to page: 1', and a 'Go' button.

Name	Operations
BILASPUR District	
CHAMBA District	
HAMIRPUR District	
KANGRA District	
KINNAUR District	
KULLU District	
LAHUL And SPITI District	
MANDI District	
SHIMLA District	
SIRMAUR District	
SOLAN District	
UNA District	

Offline data entry

The screenshot shows the DHIS2 Data Entry interface. At the top, a yellow banner indicates "You are offline, data will be stored locally". The navigation bar includes "Maintenance", "Services", "Help", and "Log out". The sidebar on the left lists locations in Sierra Leone, including Bo, Badjala, Ngelehun CHC, Njandama MCHP, Baoma, Bargbe, Bargbo, Bumpe Ngao, Gbo, Jalama Bongor, Kakua, Komboya, Lugbu, Niawa Lenga, Selenga, Tikonko, Valunia, Wonde, Bomball, Bonthe, Kaliahun, and Kambia.

The main content area is titled "Data Entry" and shows the following configuration:

- Organisation Unit: Sierra Leone
- Data Set: PHUF 2 - Children's preventive services
- Period: January 2011

A "Run validation" button is visible in the top right corner. A notification box indicates "Sierra Leone - January 2011 Penta3 doses given (Outreach, < 12 mths)".

The main data entry table is titled "Immunization" and displays the following data:

	Fixed		Outreach	
	< 12 mths	12 to 59 mths	< 12 mths	12 to 59 mths
BCG doses given	23	34	34	23
Fully Immunized child	23	34	42	112
LLITN given at Penta3	56	12		
OPV0 doses given				
OPV1 doses given				
OPV2 doses given		12	67	76
OPV3 doses given	76	76	76	
PCV1 doses given				
PCV2 doses given				
PCV3 doses given				
Penta1 doses given		12	23	12
Penta2 doses given	23	42	2	23
Penta3 doses given				
Yellow Fever doses given				
Measles doses given				

Data entry module which works even offline. Data is stored locally and is uploaded when the network is available.

Customized data entry

The screenshot displays the DHIS 2 interface for Sierra Leone. The top navigation bar includes 'Maintenance', 'Services', 'Help', and 'Log out'. The left sidebar shows a hierarchical tree of locations, with 'Ngelehun CHC' selected. The main content area is titled 'Data Entry' and contains a form with the following fields:

- Organisation Unit: Ngelehun CHC
- Data Set: HIV Paediatric monthly summary
- Period: June 2012 (with 'Prev year' and 'Next year' buttons)

A 'Run validation' button is located in the top right corner. A warning message states: 'Ngelehun CHC - June 2012 No Data Element Selected'.

The data entry table is titled 'HEALTH SE CTOR HIV/AIDS RESPONSE GROUP (ARG)' and 'Ministry of Health and Sanitation'. It is for the 'Monthly Paediatric HIV/AIDS data collection/summary form'. The table has the following structure:

Data Element	Males			Females		
	<12 m	12-18 m	>18 m	<12 m	12-18 m	>18 m
# of infants delivered in the Health facility	<input type="text"/>			<input type="text"/>		
# of infants born to HIV Positive mothers (Exposed infants)	<input type="text"/>			<input type="text"/>		
# of HIV exposed children tested at 12 months	<input type="text"/>			<input type="text"/>		
# of HIV exposed infants with a positive result at 12 months	<input type="text"/>			<input type="text"/>		
# of HIV exposed children tested at 18 months		<input type="text"/>			<input type="text"/>	
# of HIV exposed children with positive result at 18 months		<input type="text"/>			<input type="text"/>	

Gives you the ability to define completely customizable data entry screens based on HTML.

Min-Max Check & 13 month Graph in dataentry

The screenshot displays the DHIS 2 web interface for Tamil Nadu HMIS. The main content area shows the 'ANC Registration (default)' data entry form. A 13-month bar chart is visible, showing data from December 2009 to December 2010. The chart has a blue line for the maximum value (57) and a red line for the minimum value (34). The average value is 47.6. The data points for the 13-month period are: 34, 34, 34, 34, 34, 57, 48, 46, 48, 48, 48, 48, 49.

Min-max limits:

- Max limit: 57
- Min limit: 34
- Average: 47.6
- Interpolation: (checked)

Data element history:

Part A.	REPRODUCTION
M1	Ante Natal
1.1	Total number of ANC registrations
	1.1.1
1.2	New women
1.3	Number of women
1.4	Number of women
	1.4.1
	1.4.2
1.5	Total number of women
1.6	Pregnant women

Numbers:

- 49
- 29
- 23
- 47
- 49

DataQuality – Validation Check

DHIS 2 - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost:9090/dhis/dhis-web-dataentry/displayForm.action

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Gmail - Inbox (7) - chbharathk@gmail.c... x adminuser x DHIS 2 x

DHIS 2 Tamil Nadu State

- India
 - Tamil Nadu State
 - ARIYALUR District
 - ARIYALUR HUD
 - Andimadam Block
 - Andimadam PHC
 - Ariyalur Block
 - Jayankondam Block
 - KADUGUR PHC**
 - Kumuliyam PHC
 - Meensuriti PHC
 - Semdurai Block
 - T.Palur Block
 - T.Palur PHC
 - Thirumanor PHC
 - Thirumanur Block
 - COIMBATORE District
 - CUDDALORE District
 - DHARMAPURI District
 - DINDUGAL District
 - ERODE District
 - KANCHEEPURAM District
 - KANYAKUMARI District
 - KARUR District
 - KRISHNAGIRI District

Validation Result

The data entry screen has validation errors, please correct these before proceeding

The following values violates validation rules

Validation rule	Expression	Description	Value	Operator	Value	Description
OPV Booster should be equal to DPT Booster	OPV Booster == DPT Booster	OPV Booster given	68.0	==	95.0	DPT Booster
ANC Registration should be equal or greater than TT1	ANC Registration >= ANC TT1 dose	ANC Registration	35.0	>=	36.0	TT1
Measles dose given should be greater than or equal to Full Immunization	Measles 1st dose at 9-12 months >= Fully immunised Female under 12 months+Fully immunised Male under 12 months	Measles given	114.0	>=	117.0	Full immunisation
BCG should be less than or equal to live births	BCG dose under 1 year <= Live birth female+Live birth male	B.C.G Dose under 1 year	117.0	<=	37.0	Live births

Close


Done

1.4	Number of pregnant women given		
	1.4.1	TT1	<input type="text" value="36"/>
	1.4.2	TT2 and Booster	<input type="text" value="50"/>
1.5	Total number of pregnant women given 100 IFA tablets		<input type="text" value="100"/>
1.6	Pregant women with Hvpertension (BP>140/90)		

Done

HISP INDIA

Line Listing Data Entry - Births

 Kerala HMIS

[Maintenance](#)
[Services](#)
[Help](#)
[Log out](#)

Linelistings
Data Entry

- India
- KERALA
 - ALAPPUZHA District
 - Ambalapuzha BPHCArea
 - Ambalapuzha Private Instit
 - Punnapra PHC
 - FWC Aravukadu**
 - FWC Kalarcode East
 - FWC Kalarcode ICDS
 - FWC Kuravanthode
 - FWC Paravoor East
 - FWC Paravoor ICDS
 - FWC Punnapra North
 - FWC Punnapra West
 - FWC SMC Settlement C
 - Purakkad PHC
 - Thottappally PHC
 - UITS Ambalapuzha/MCU

Organisation Unit

Data Set

Period

FWC Aravukadu - November 2012

Please Fill All Fields.

You can select DOB only for the selected period

Linelistings : Live Births

Sl. No.	Name of Child Born for Mother/Father Name	Village	Sex	Approx Date of birth (YYYY-MM-DD)	Weight(in gms) or NK	Breast feeding in first hour (Y/N/NK)
1	<input type="text"/>	<input type="text"/>	... <input type="text"/>	<input type="text"/>	<input type="text"/>	... <input type="text"/>

...

YES

NO

NOT KNOWN

Line Listing Data entry - Deaths



Kerala H MIS

Maintenance

Services

Help

Log out

Linelist

Data Entry

- India
 - KERALA
 - ALAPPUZHA District
 - Ambalapuzha BPHCArea
 - Ambalapuzha Private Instit
 - Punnapra PHC
 - FWC Aravukadu**
 - FWC Kalarcode East
 - FWC Kalarcode ICDS
 - FWC Kuravanhode
 - FWC Paravoor East
 - FWC Paravoor ICDS
 - FWC Punnapra North
 - FWC Punnapra West
 - FWC SMC Settlement C
 - Purakkad PHC
 - Thottappally PHC
 - ULTC Ambalapuzha(MCU

Organisation Unit

Data Set

Period

FWC Aravukadu - November 2012
Please Fill All Fields.

Linelist : Deaths

Sl. No.	Name of Child (If under 5 month specify Mother/Father Name)	Village	Sex	Age Category	Probable Cause of death
1	<input type="text"/>	<input type="text"/>	<input type="text" value="..."/>	<input type="text" value="..."/> <ul style="list-style-type: none"> BELOW 1 DAY 1 DAY - 1 WEEK 1 WEEK - 1 MONTH 1 MONTH - 1 YEAR 1 YEAR - 5 YEARS 6 YEARS - 14 YEARS 15 YEARS - 55 YEARS OVER 55 YEARS 	<input type="text" value="..."/>

Define Indicator in DHIS2



Kerala HMIS

Maintenance

Services

Help

Log out

Create new indicator

Details

Name *

Short name *

Alternative name

Code

Description

Annualized

Indicator Type *

URL

Edit numerator

Edit denominator

Add

Cancel

Define Numerator and Denominator for Indicator

Kerala HMIS Maintenance Services Help Log out

Create new indicator

Edit numerator

Description

Aggregation operator

Sum

Average

Formula

Data elements

Filter by name

Filter Clear

HIV tested Male

0.1 ml (AD) Stock (Balance from Previous month)

0.1 ml (AD) Stock (Stock Distributed)

0.1 ml (AD) Stock (Stock received)

0.1 ml (AD) Stock (Total stock)

0.1 ml (AD) Stock (Total)

0.1 ml (AD) Stock (Unusable)

Page: 1 Previous page Next page Size: 50

() + / + - D

Description

Save Cancel

Kerala HMIS Maintenance Services Help Log out

Create new indicator

Edit denominator

Description

Aggregation operator

Sum

Average

Formula

Data elements

Filter by name

Filter Clear

HIV tested Male

0.1 ml (AD) Stock (Balance from Previous month)

0.1 ml (AD) Stock (Stock Distributed)

0.1 ml (AD) Stock (Stock received)

0.1 ml (AD) Stock (Total stock)

0.1 ml (AD) Stock (Total)

0.1 ml (AD) Stock (Unusable)

Page: 1 Previous page Next page Size: 50

() + / + - D

Description

Save Cancel

Define Validation Rules in DHIS2



Kerala HMIS

Maintenance

Services

Help

Log out

Validation Rule

Validation Rule
Validation Rule Group

Data Analysis

Validation Rule Analysis
Min-Max Outlier Analysis

Create new validation rule

Details

Name *

Description

Period Type*

Monthly



Operator *

[Select operator]

Edit left side

Edit right side

Save

Cancel

Define Left and Right side expression for Validation rules

Kerala HMIS Maintenance Services Help Log out

Create new indicator

Edit numerator

Description

Aggregation operator

Sum

Average

Formula

Data elements

Filter by name

Filter Clear

HIV tested Male

0.1 ml (AD) Stock (Balance from Previous month)

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Page: 1 Previous page Next page Size: 50

() + / + - D

Description

Save Cancel

Kerala HMIS Maintenance Services Help Log out

Create new indicator

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HIV tested Male

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0.1 ml (AD) Stock (Unusable)

Page: 1 Previous page Next page Size: 50

() + / + - D

Description

Save Cancel

Data Quality – List of Validation Rules

dhis2 DHIS 2 Demo - Sierra Leone Maintenance Services Help Profile

Validation Rule

























































Validation Rule
Validation Rule Group

Data Analysis

Validation Rule Analysis
Std Dev Outlier Analysis
Min-Max Outlier Analysis
Follow-Up Analysis

Validation rule management ?

Filter by name

Name	Period type	Operations
BCG, Early breastfeeding, <1 year Fixed	Monthly	   
BCG, Early breastfeeding, <1 year Outreach	Monthly	   
Cholera Epidemic Check	Monthly	   
Lassa Epidemic Check	Monthly	   
Measles, Slept under LLITN last night, <1 year Fixed	Monthly	   
Measles, Slept under LLITN last night, <1 year Outreach	Monthly	   
Measles, Slept under LLITN last night, >=1 year Fixed	Monthly	   
Measles, Slept under LLITN last night, >=1 year Outreach	Monthly	   
Penta3, Exclusive breastfeeding, <1 year Fixed	Monthly	   
Penta3, Exclusive breastfeeding, <1 year Outreach	Monthly	   
Penta3, Exclusive breastfeeding, >=1 year Fixed	Monthly	   
Penta3, Exclusive breastfeeding, >=1 year Outreach	Monthly	   
TB new spectrs screened positive	Monthly	   
VCCT male under 15yrs tested	Monthly	   

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

DataEntry Status

Include Zero

Export To Workbook

Summary Status

Entered
Not Entered (0-5)

DataSet : PHC MIES Dataset

Level 3	Level 4	Level 5	Level 6	Apr-2010	May-2010	Jun-2010	Jul-2010	Aug-2010	Sep-2010	Oct-2010	Nov-2010	Dec-2010
ARYALUR District (32)				32 (100 %)	32 (100 %)	32 (100 %)	32 (100 %)	32 (100 %)	30 (94 %)	31 (97 %)	31 (97 %)	30 (94 %)
	ARYALUR HUD (32)			32 (100 %)	32 (100 %)	32 (100 %)	32 (100 %)	32 (100 %)	30 (94 %)	31 (97 %)	31 (97 %)	30 (94 %)
		Andimadam Block (4)		4 (100 %)	4 (100 %)	4 (100 %)	4 (100 %)	4 (100 %)	4 (100 %)	4 (100 %)	4 (100 %)	3 (75 %)
			Anikudhican PHC	1	1	1	1	1	1	1	1	1
			Edaiyakurichi PHC	1	1	1	1	1	1	1	1	0
			Varadharaiapettai PHC	1	1	1	1	1	1	1	1	1
			Varivankavai PHC	1	1	1	1	1	1	1	1	1
		Andimadam PHC		1	1	1	1	1	1	1	1	1
		Ariyalur Block (4)		4 (100 %)	4 (100 %)	4 (100 %)	4 (100 %)	4 (100 %)	4 (100 %)	4 (100 %)	4 (100 %)	4 (100 %)
			Manakkai PHC	1	1	1	1	1	1	1	1	1
			Poyyur PHC	1	1	1	1	1	1	1	1	1
			Sundakudi PHC	1	1	1	1	1	1	1	1	1
			Vilankudi PHC	1	1	1	1	1	1	1	1	1
		Jayankondam Block (5)		5 (100 %)	5 (100 %)	5 (100 %)	5 (100 %)	5 (100 %)	5 (100 %)	5 (100 %)	5 (100 %)	4 (80 %)
			T.Cholankurichi PHC	1	1	1	1	1	1	1	1	1
			T.Pottakollai PHC	1	1	1	1	1	1	1	1	1
			Ulkottai PHC	1	1	1	1	1	1	1	1	1
			Vettiyarvettu PHC	1	1	1	1	1	1	1	1	0
			Vilapallam PHC	1	1	1	1	1	1	1	1	1
		KADUGUR PHC		1	1	1	1	1	1	1	1	1
		Kumulivan PHC		1	1	1	1	1	0	1	1	1
		Meensuriti PHC		1	1	1	1	1	1	1	1	1
		Semdurai Block (5)		5 (100 %)	5 (100 %)	5 (100 %)	5 (100 %)	5 (100 %)	4 (80 %)	4 (80 %)	4 (80 %)	5 (100 %)
			Anganur PHC	1	1	1	1	1	0	1	1	1
			Irupuli Kurichi PHC	1	1	1	1	1	1	1	1	1
			Kulumor PHC	1	1	1	1	1	1	1	1	1
			Manakkudaivan PHC	1	1	1	1	1	1	0	0	1
			Ponparappi PHC	1	1	1	1	1	1	1	1	1
		T.Palur Block (5)		5 (100 %)	5 (100 %)	5 (100 %)	5 (100 %)	5 (100 %)	5 (100 %)	5 (100 %)	5 (100 %)	5 (100 %)
			Gunamanqalam PHC	1	1	1	1	1	1	1	1	1
			Sripuranthan PHC	1	1	1	1	1	1	1	1	1
			Suthamali PHC	1	1	1	1	1	1	1	1	1
			Udhayanatham PHC	1	1	1	1	1	1	1	1	1
			Vikramanqalam PHC	1	1	1	1	1	1	1	1	1
		T.Palur PHC		1	1	1	1	1	1	1	1	1

Null Data Check

DHIS 2 - Mozilla Firefox

Null Reporter Result - Mozilla Firefox

http://localhost:9090/dhis/dhis-web-dashboard/NullReporterResult.action

Export To Workbook

	Jun 10	May 10	Apr 10
Andimadam PHC	ANC given 100 IFA tablets ANC HIV tested ANC HIV tested positive ANC Hypertension (BP>140/90) - new case detected ANC third visit ANC VDRL tested ANC VDRL tested positive Eclampsia cases managed New women registrered under JSY	ANC HIV tested positive ANC Hypertension (BP>140/90) - new case detected ANC third visit ANC VDRL tested positive New women registrered under JSY Sever anaemia (Hb<7) treated at institution	ANC HIV tested ANC HIV tested positive ANC third visit ANC VDRL tested ANC VDRL tested positive New women registrered under JSY Sever anaemia (Hb<7) treated at instituti

Data Analyser

- Data Status
 - Null Reporter

India

- Tamil Nadu State
 - ARIYALUR District
 - ARIYALUR HUD
 - Andimadam Block
 - Andimadam PHC**
 - Ariyalur Block
 - Jayankondam Block
 - KADUGUR PHC
 - Kumuliyan PHC
 - Meensuriti PHC
 - Semdurai Block
 - T.Palur Block
 - T.Palur PHC
 - Thirumanor PHC
 - Thirumanur Block
 - COIMBATORE District
 - CUDDALORE District
 - DHARMAPURI District
 - DINDIGUL District

Done Done

PRE-DEFINED Reports

- Routine Reports
- Periodwise Progressive Reports
- Organisationunit wise Progressive Reports
- Indicator Reports
- BULK Report Generation

Tabular Analysis



Tamilnadu HMIS

Maintenance

Services

Help

Log out

Data Analyser

- Data Analysis
 - Tabular Analysis

- India
 - Tamil Nadu State
 - ARIYALUR District
 - ARIYALUR HUD
 - Andimadam Block
 - Andimadam PHC
 - Ariyalur Block
 - Jayankondam Block
 - KADUGUR PHC
 - Kumuliyam PHC
 - Meensuriti PHC
 - Semdurai Block
 - T.Palur Block
 - T.Palur PHC
 - Thirumanor PHC
 - Thirumanur Block
 - COIMBATORE District
 - CUDDALORE District
 - DHARMAPURI District
 - DINDIGUL District

Tabular Analysis Form

FilteredBy DataElementGroup :

Antinatal care

Available DataElement List :

Eclampsia cases managed
New women registered under JSY
Sever anaemia (Hb<7) treated at institution

FilteredBy IndicatorGroup :

[Select IndicatorGroup / All]

Available Indicator List :

% Eligible Couples identified
% of bed occupancy rate
% of dog bite cases given ARV
% of IP admission due to Fevers, communicable diseases c
% of IP admission due to Medical emergencies

Selected OrgUnitGroups OrgUnit Levels

OrganisationUnit List :

Tamil Nadu

OrgUnitGroups/Level

Level - 3
Level - 4
Level - 5
Level - 6

Compare/View By

DataElements

Selected DataElement/Indicator List :

ANC Registration
ANC registration within first trimester
ANC third visit
ANC given 100 IFA tablets
ANC TT1 dose
ANC TT2/Booster dose
ANC having Hb level < 11 (tested cases)
ANC Hypertension (BP>140/90) - new case detected
ANC HIV tested
ANC HIV tested positive
ANC VDRL tested
ANC VDRL tested positive

PeriodType:

Monthly

Aggregate By Period

Year :

2011
2010
2009
2008
2007

Period :

Apr
May
Jun
Jul
Aug

Generate Report

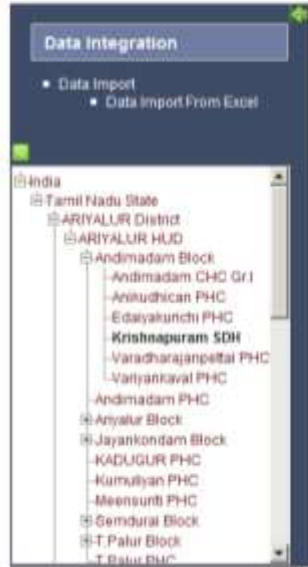
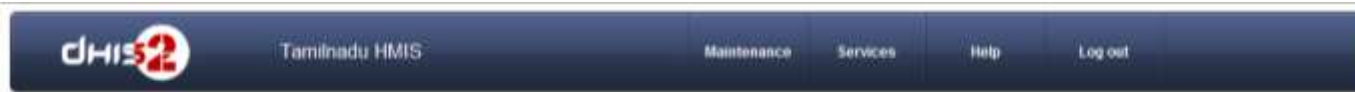
Tabular Analysis

TabularAnalysis(2) [Compatibility Mode] - Microsoft Excel

I12																	
f 98																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	R	S	T	
1						ANC Registration				ANC registration within first trimester				ANC given 100 IFA tablets			
2	Sl.No.	Level 2	Level 3	Level 4	Level 5	Apr-2010	May-2010	Jun-2010	Jul-2010	Apr-2010	May-2010	Jun-2010	Jul-2010	Apr-2010	May-2010	Jun-2010	Jul-
3	1	Tamil Nadu State				68622	72743	74457	70480	54288	56965	57700	53932	181960	172891	191711	173
4	2		ARIYALUR District			1034	1071	1077	1065	676	715	701	666	2371	2059	1879	25
5	3			ARIYALUR HUD		1034	1071	1077	1065	676	715	701	666	2371	2059	1879	25
6	4				Andimadam Block	127	111	128	133	93	78	74	81	242	251	196	3
7	5				Andimadam PHC	35	57	48	46	20	35	31	32	127	51	0	1
8	6				Ariyalur Block	157	118	137	138	106	91	90	86	197	280	268	2
9	7				Jayankondam Block	146	192	140	148	97	120	89	88	343	248	166	4
10	8				KADUGUR PHC	43	41	37	39	21	27	26	21	79	77	88	1
11	9				Kumuliyam PHC	19	18	0	26	14	13	0	20	194	0	0	1
12	10				Meensuriti PHC	69	68	148	98	57	53	117	74	248	271	235	2
13	11				Semdurai Block	95	137	97	126	28	67	34	59	211	188	127	1
14	12				T.Palur Block	104	105	124	126	76	64	83	88	262	168	190	2
15	13				T.Palur PHC Thirumanor	31	32	37	13	28	28	30	11	54	84	75	8

Ready

Data Integration – Excel WorkBook



Excel Import Form

1. PeriodType :

2. Periods :

3. OrganisationUnit :

4. Import Sheets :

5. Upload/Import (XLS) File :

New And Updates New (No Updates)

Ministry of Health & Family Welfare (Monitoring & Evaluation Division) Monthly Return under NRHM DH/SDH/TH and Other equivalent Facilities			
Facility:			Period:
Part A. REPRODUCTIVE HEALTH			Numbers
M1 Ante Natal Care Services (ANC)			
1.1	New women registered under JSY		
1.2	Number of pregnant women given		
	1.2.1	TT1	
	1.2.2	TT2 / Booster	
1.3	Pregnant women with Hypertension (BP>140/90)		
	1.3.1	New cases detected at institution	
	1.3.2	Number of eclampsia cases managed during delivery	
1.4	Pregnant women with Anaemia		
	1.4.1	Number having Hb level<11 (tested cases)	
	1.4.2	Number having severe anaemia (Hb<7) treated at institution	
M2 Deliveries			
2.1	Deliveries conducted at the facility		
2.2	Of which Number discharged under 48 hours of delivery		
2.3	Number of cases where JSY incentive paid to		
	2.3.1	Mothers	
M3 Number of Caesarean (C-Section) deliveries			
3.1	C-Section deliveries conducted at facility		
M4 Pregnancy outcome & weight of new-born			
4.1	Pregnancy Outcome (in number)		
	4.1.1	Live Birth	

Data Integration – With other Systems (TCS App, TN)

The screenshot shows the DHIS2 web application interface. The top navigation bar includes the DHIS2 logo, the text 'Tamilnadu HMIS', and menu items for 'Maintenance', 'Services', 'Help', and 'Log out'. On the left, a sidebar menu has 'Data Integration' selected, with sub-options for 'Data Import From Excel', 'Data Import From Portal', and 'Import XML From TNHMIS'. The main content area is titled 'TNHMIS Data Import Form'. It features a section for 'Upload/Import (XML) File:' with a text input field containing the file path 'C:\Downloads\THEN_APRIL_2011-New.xml' and a 'Browse...' button. Below this is a large 'Import Data' button.

The screenshot shows a Notepad++ window titled 'C:\Users\HISP\Desktop\THEN_APRIL_2011-New.xml - Notepad++'. The window displays the XML content of the file. The XML is a report header for 'APRIL-2011' with a source of '03346'. It contains 32 data elements, each with a value. The XML structure is as follows:

```
<?xml version="1.0"?>
<root>
  <reportHeader version="1.0" reportType='PHC' />
  <dataValues>
    <dataValue dataElement='1' period='APRIL-2011' source='03346' value='64' />
    <dataValue dataElement='2' period='APRIL-2011' source='03346' value='48' />
    <dataValue dataElement='3' period='APRIL-2011' source='03346' value='0' />
    <dataValue dataElement='4' period='APRIL-2011' source='03346' value='44' />
    <dataValue dataElement='5' period='APRIL-2011' source='03346' value='65' />
    <dataValue dataElement='6' period='APRIL-2011' source='03346' value='49' />
    <dataValue dataElement='7' period='APRIL-2011' source='03346' value='0' />
    <dataValue dataElement='8' period='APRIL-2011' source='03346' value='0' />
    <dataValue dataElement='9' period='APRIL-2011' source='03346' value='64' />
    <dataValue dataElement='10' period='APRIL-2011' source='03346' value='0' />
    <dataValue dataElement='11' period='APRIL-2011' source='03346' value='0' />
    <dataValue dataElement='12' period='APRIL-2011' source='03346' value='2' />
    <dataValue dataElement='14' period='APRIL-2011' source='03346' value='2' />
    <dataValue dataElement='15' period='APRIL-2011' source='03346' value='0' />
    <dataValue dataElement='16' period='APRIL-2011' source='03346' value='4' />
    <dataValue dataElement='17' period='APRIL-2011' source='03346' value='0' />
    <dataValue dataElement='18' period='APRIL-2011' source='03346' value='0' />
    <dataValue dataElement='19' period='APRIL-2011' source='03346' value='0' />
    <dataValue dataElement='20' period='APRIL-2011' source='03346' value='0' />
    <dataValue dataElement='21' period='APRIL-2011' source='03346' value='0' />
    <dataValue dataElement='22' period='APRIL-2011' source='03346' value='0' />
    <dataValue dataElement='23' period='APRIL-2011' source='03346' value='0' />
    <dataValue dataElement='24' period='APRIL-2011' source='03346' value='27' />
    <dataValue dataElement='25' period='APRIL-2011' source='03346' value='22' />
    <dataValue dataElement='27' period='APRIL-2011' source='03346' value='1' />
    <dataValue dataElement='28' period='APRIL-2011' source='03346' value='5' />
    <dataValue dataElement='29' period='APRIL-2011' source='03346' value='50' />
    <dataValue dataElement='30' period='APRIL-2011' source='03346' value='12' />
    <dataValue dataElement='32' period='APRIL-2011' source='03346' value='18' />
  </dataValues>
</root>
```

Web-based pivot table



DHIS 2 Demo - Sierra Leone

Maintenance

Services

Help

Log out

Pivot Table [?](#)

Data

Pivot

Download as Excel

Back

Start date: 2011-08-01, End date: 2012-08-03, Period type: Monthly

		ANC 1 Coverage	ANC 2 Coverage	ANC 3 Coverage	ANC Dropout Rate	ANC IPT 1 Coverage	ANC IPT 2 Coverage	ANC LLITN coverage	ANC TT2 coverage	ANC visit clinical prof	BCG coverage <1	BCG Stock PHU	Births skilled pers (est)	Births skilled pers (reg)	Dis	
August 2011	Bo	147.1	160.7	86	41.6	72.9	53.7	44.7	54.2		118.7	1691	50.9	82.6		
	Bombali	94.1	78.5	67	28.9	57.6	58.2	72	108.6	15.6	102.9	1723	37.4	61.4		
	Bonthe	114.4	115	77.8	32	96.8	72.1	43.7	75.9	1117	140.5	-2464	58.7	74.3		
	Kailahun	86.2	85.8	71.6	16.9	84.9	74.1	97.7	120.6	23.8	95.4	777	54.5	84		
	Kambia	90.6	92.9	62.1	31.4	72.6	55.7	12.6	95.2		100.5	40	36.1	56.2		
	Kenema	85.9	103.4	85.9	0	114.3	74.4	59.9	59.9		20	100.7	1426	48.4	92.8	
	Koinadugu	88.9	72.3	49.3	44.5	107.6	104.4	59.9	59.9		20.7	89.2	1884	42	64.9	
	Kono	51.1	44	35.3	31	45.3	38.6	48.9	63.8		134.9	55.8	510	24.2	70.5	
	Moyamba	108	102.5	90.2	16.5	106.8	98.7	67.5	108.2		17.9	97.8	1940	59.2	82.1	
	Port Loko	112.4	90.2	57.3	49	159.9	137.6	67.5	108.2		165.6	115.6	3998	35.9	53.9	
	Pujehun	106.2	106.2	81	23.8	157.2	122.8	67.5	108.2		21.7	90.1	1210	60.1	83.5	
	Tonkolili	138.6	111.9	64.9	53.2	88.6	69.5	57.2	78.1			123.8	1735	33.1	61.1	
Western Area	125.7	102.1	79.2	37	124.3	216.2	73.7	85.3			136.8	1527	57.8	67.9		
September 2011	Bo	169.9	150.9	102.1	39.9	98.5	77.3	83.6	50.3		129.1	1599	55.3	84.3		
	Bombali	79.2	70	49	38.2	78.6	58.4	36.7	67.1	12.7	100.6	1072	38.5	65.4		
	Bonthe	118.7	111.5	80.2	32.4	116.9	91.2	24.7	80.9	1093.5	112.7	3194	59.3	76.4		
	Kailahun	79.7	76.9	68.1	14.6	75.8	77.8	77.7	113.3	21.5	85.6	839	54	83		
	Kambia	101.6	94.9	71.7	29.5	86.4	62.3	38	93.2		111	185	41	56.9		
	Kenema	97.9	105.4	92.2	5.8	75.3	54	80.7	71.5	20.9	110.8	2046	55.4	94.4		
	Koinadugu	98.8	82.7	66	33.2	131.9	124.7	37.7	56.1	23.9	108.7	1708	53.3	77.2		
	Kono	62	57.2	50	19.3	160.4	89.7	70.9	87.3	197	63.4	473	21.4	64.8		

Meta-data import and export

The screenshot displays the DHIS 2 user interface. At the top, the logo 'dhis2' is on the left, and the text 'DHIS 2 Demo - Sierra Leone' is in the center. To the right are navigation links for 'Maintenance', 'Services', 'Help', and 'Log out'. A left-hand sidebar contains menu items for 'Import', 'Export', 'Configuration', and 'Integration'. The main content area is titled 'DXF Metadata Export' and features a list of metadata elements, each with a checked checkbox. At the bottom of this list are three buttons: 'Export', 'Select all', and 'Select none'.

Import

- Import
- XML Data Import
- CSV Data Import
- DHIS 1.4 import

Export

- Data Export
- Metadata Export
- Detailed Metadata Export
- Export to other systems

Configuration

- DHIS 1.4 File Configuration

Integration

- Integration Configuration

DXF Metadata Export ?

Elements

- Data elements
- Data element groups
- Data element group sets
- Indicators
- Indicator groups
- Indicator group sets
- Data dictionaries
- Data sets
- Organisation units
- Organisation unit groups
- Organisation unit group sets
- Organisation unit levels
- Validation rules
- Reports
- Report tables
- Charts

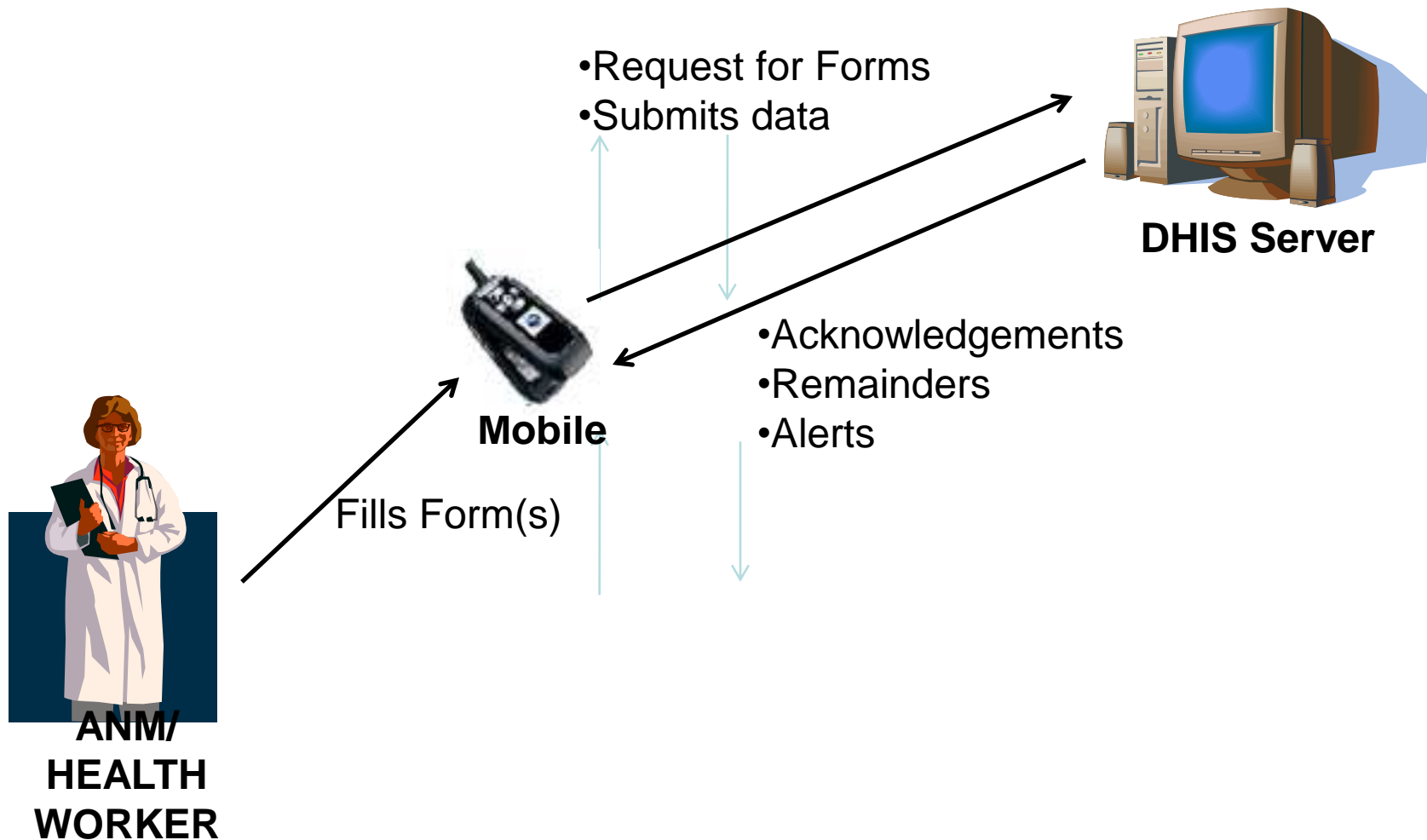
Export Select all

Select none

Import and export of data and meta-data for transfer between DHIS 2 instances as well as external systems.

DHIS Mobile

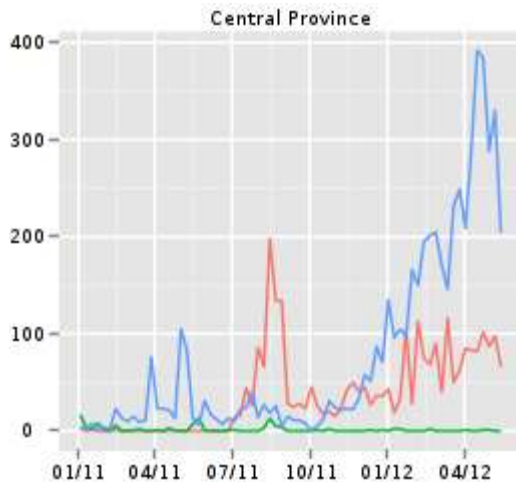
Integration with Mobile



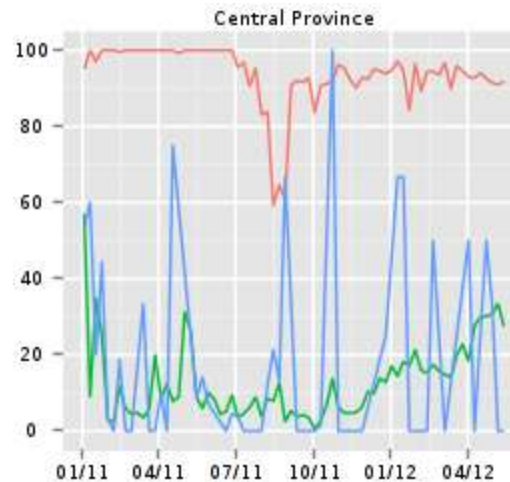
Cell phones: Local level input /output

Example Zambia

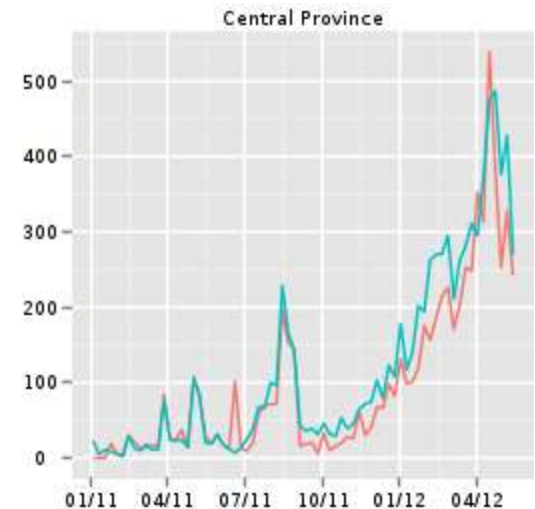
- Weekly reporting of malaria data using mobiles
- DHIS on central server – accessed through mobile network
- Feedback: Mobile output to reach health workers
 - SMS with web-link



— Clinical
— Slide+
— RDT



— Perc susp mal tested
— RDT positivity rate
— Slide pos rate



— Coartem dispensed
— Treatable malaria cases

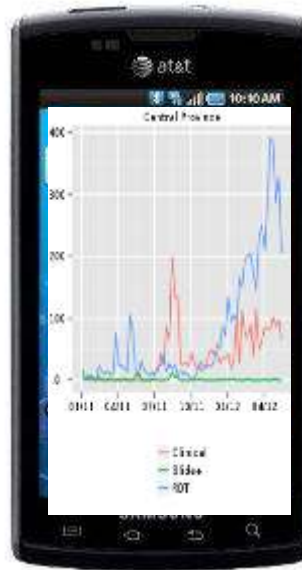
Output tailored to the range of devices and infrastructures



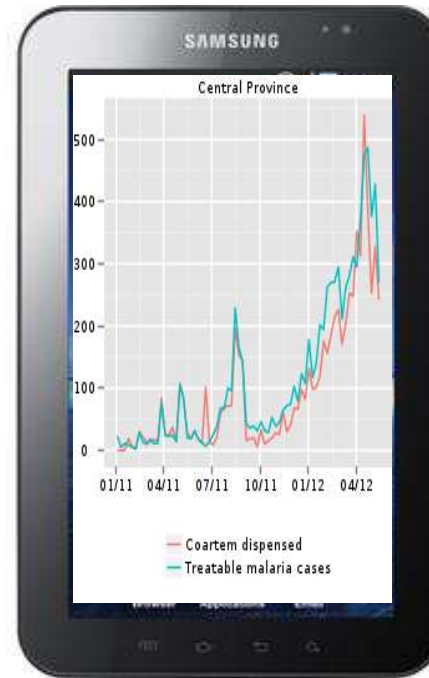
SMS

A screenshot of a web form on a mobile device. The form has a blue header with a logo and the text "16-24 months after birth". Below the header are several input fields with labels: "Child hospitalized due", "Select Option", "DPT Booster [yyyy-MM-dd]", "OPV Booster [yyyy-MM-dd]", "Weight [kg] (gm)", and "MMR Vaccine [yyyy-MM-dd]". A blue diagonal banner with the text "More flexible" is overlaid on the form.

Lightweight
Browser



Android app
or browser



Tablet



PC/laptop



DHIS2 Tracker

Objectives

- To support achievement of universal coverage for maternal care and immunization services.
- By ensuring information support for the 4 Ws:
 - Who (to provide service – name)
 - What (service to provide- eg TT1 dose)
 - When (date service to be provided)
 - Where (beneficiary address – village name)
- Empower the ANM - information support for activity scheduling, service alerts and monitoring achievements against targets.

Objectives














- To improve data fidelity of routine data by aggregating from individual beneficiary records and importing into facility database.
- In summary, Tracker will support:
 - Recording: service details & generation of primary registers.
 - Tracking: beneficiaries over time and facilities
 - Reporting – individual and aggregated reports for different stakeholders.

What can DHIS2 Tracker do?

- ✓ Tracker can be used for
 - ✓ Health Program with definite intervals E.g. Child Care & Mother Care, NRC, SNCU, TB
 - ✓ Health program based on Encounters E.g. Irregular/repeatable visits
 - ✓ Registering single events E.g. vital event registration
 - ✓ Registering anonymous event E.g. Disease morbidity

Defining Programs & Program Stages

Program Management

Name	Operations
Child Health Program	   
Mother Care Program	   
NRC Health Program	   
School Health Program	   
TB Program	   

Select program	
School Health Program	
Name	Description
Medical History (5 -10yrs) I Class	Medical History of the Child (5 - 10 years)
Medical History (11-16yrs) VI Class	Medical History of the Child (11 -16 yrs) VI Class
Referral Stage	Referral Stage
National Immunization Schedule	ANM will fill this in consultation with mother or guardian
Present Histry of (5 -10Yrs) class 1	Present Histry Assessment by Medical Officer
Investigations - Class 1	Investigations - Class 1
Investigations - Class 2	Investigations - Class 2
Investigations - Class 3	Investigations - Class 3
Investigations - Class 4	Investigations - Class 4
Investigations - Class 5	Investigations - Class 5
Medication - Class 1	Medication - Class 1
Medication - Class 2	Medication - Class 2
Medication - Class 3	Medication - Class 3
Medication - Class 4	Medication - Class 4
Medication - Class 5	Medication - Class 5
Immunisation	Immunisation
Present Histry of (5 -10Yrs) class 2	Present Histry of (5 -10Yrs)
Present Histry of (5 -10Yrs) class 3	Present Histry of (5 -10Yrs)
Present Histry of (5 -10Yrs) class 4	Present Histry of (5 -10Yrs) class 4
Present Histry of (5 -10Yrs) class 5	Present Histry of (5 -10Yrs) class 5
Medical History (5 -10yrs) II Class	Medical History (5 -10yrs) II Class
Medical History (5 -10yrs) III Class	Medical History (5 -10yrs) III Class
Medical History (5 -10yrs) IV Class	Medical History (5 -10yrs) IV Class
Medical History (5 -10yrs) V Class	Medical History (5 -10yrs) V Class
Medical History (11-16yrs) VII Class	Medical History (11-16yrs) VII Class
Medical History (11-16yrs) VIII Class	Medical History (11-16yrs) VIII Class
Medical History (11-16yrs) IX Class	Medical History (11-16yrs) IX Class
Medical History (11-16yrs) X Class	Medical History (11-16yrs) X Class

Program Stage Management

Select program

Child Health Program





















Name	Description
Birth Details	Birth Details
Child Care at 1st Day	Child Care at 1st Day
Child Care at 3rd Day	Child Care at 3rd Day
Child Care at 7th Day	Child Care at 7th Day
Child Care at 2nd Week	Child Care at 2nd Week
Child Care at 3rd Week	Child Care at 3rd Week
Child Care at 4th Week	Child Care at 4th Week
Child Care at 6th Week	Child Care at 6th Week
At 6 weeks after birth	At 6 weeks after birth
At 10 weeks after birth	At 10 weeks after birth
At 14 weeks after birth	At 14 weeks after birth
9 -12 months after birth	9 -12 months after birth
16-24 months after birth	16-24 months after birth
2 years & above	2 years & above

Defining Programs & Program Stages

Program Stage Management

Select program
 TB Program
























Back Sort Add new

Name	Description	Operations
TB Classification Details	TB Classification Details	   
Pre-Treatment Sputum exam	Pre-treatment Sputum examination	   
End of IP / Extended IP	End of IP / Extended IP	   
Two month in CP Exam	Two month in CP Examination	   
End of Treatment Examination	End of TB Treatment Examination	   

Program Stage Management

Select program
 NRC Health Program

































Back Sort Add new

Name	Description	Operations
Admission Details	NRC Admission Details	   
Details after 1 week of admmiss	Details after 1 week of admission	   
Details after 2 week of admmiss	Details after 2 week of admission	   
Details after 3 week of admmiss	Details after 3 week of admission	   
Discharge Details	Discharge Details	   
NRC Patient Follow up I	NRC Patient Followup details	   
NRC Patient Follow up II	NRC Patient Followup details	   

Program Stage Management

Select program
 Mother Care Program

Back

Name	Description	Operations
ANC Registration	ANC Registration	   
ANC 1st check up	ANC 1st check up	   
ANC 2nd Check up	ANC 2nd Check up	   
ANC 3rd Check up	ANC 3rd Check up	   
ANC 4th Check up	ANC 4th Check up	   
Delivery & JSY	Delivery & JSY	   
PNC 1st Day	PNC 1st Day	   
PNC 3rd Day	PNC 3rd Day	   
PNC 7th Day	PNC 7th Day	
PNC 2nd Week	PNC 2nd Week	
PNC 3rd Week	PNC 3rd Week	
PNC 4th Week	PNC 4th Week	
PNC 6th Week	PNC 6th Week	



Defining Unique Identifiers & Beneficiary additional information


 Tracking System - Andhra Pradesh
 [Maintenance](#)
[Services](#)
[Help](#)
[Log out](#)

- Beneficiaries and Programs**
- Beneficiary
 - Beneficiary Attribute
 - Beneficiary Attribute Group
 - Beneficiary Identifier Type
 - Relationship Type
 - Beneficiary Registration
 - Program
 - Program Attribute
 - Beneficiary Aggregation
 - Validation Criteria
 - Beneficiary Mobile Setting

Beneficiary Identifier Type Management

[Add new](#)








Name	Operations
National Health ID Number	  
SAM Unique No	  
Unique TB NO	  

[Maintenance](#)
[Services](#)
[Help](#)
[Log out](#)

- Beneficiaries and Programs**
- Beneficiary
 - Beneficiary Attribute
 - Beneficiary Attribute Group
 - Beneficiary Identifier Type
 - Relationship Type
 - Beneficiary Registration
 - Program
 - Program Attribute
 - Beneficiary Aggregation
 - Validation Criteria
 - Beneficiary Mobile Setting

Beneficiary Attribute Management

[Add new](#)

Attribute name	Operations
Gram Panchayat or Village	  
Address	  
Caste	  
Register person Phone number	  
Relation with Registered Person	  
Name of Relative	  
Relative Contact Number	  
Name of ANM	  
Phone no of ANM	  
Name of Asha	  
Phone no of Asha	  
Occupation	  

Tracker Dashboard – Over view



Tracking System - Andhra Pradesh

Maintenance

Services

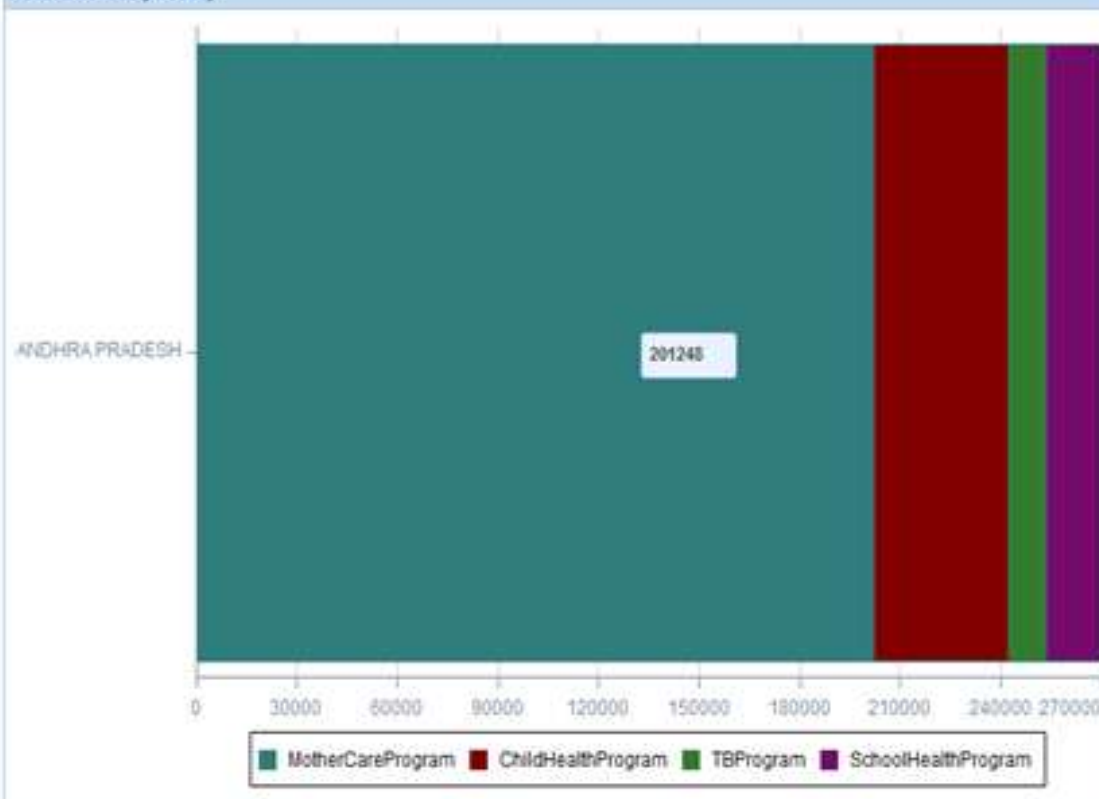
Help

Log out

Tracker Dashboard

India	Registered		Mother Care Program		Child Health Program		TB Program		School Health Program	
	Total	2012-01-04	Total	2012-01-04	Total	2012-01-04	Total	2012-01-04	Total	2012-01-04
ANDHRA PRADESH	281760	373	201248	47	40251	21	10914	0	16970	257
Total :	281760	373	201248	47	40251	21	10914	0	16970	257

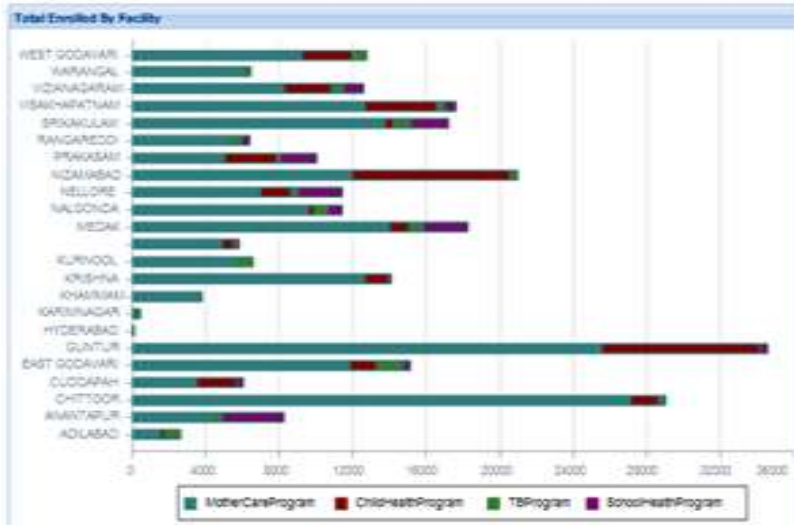
Total Enrolled By Facility



Drill down Tracker Dashboard – Over view

Year Dropdown → 2012 → ANDHRA PRADESH

ANDHRA PRADESH	Registered		Mother Care Program		Child Health Program		TB Program		School Health Program	
	Total	2012-01-04	Total	2012-01-04	Total	2012-01-04	Total	2012-01-04	Total	2012-01-04
ADILABAD	2581	0	1420	0	229	0	381	0	0	0
ANANTAPUR	8021	190	4218	0	1	0	582	0	3324	181
CHITTOOR	29737	0	26963	0	1478	0	291	0	114	0
CUDDAHUR	8419	0	3432	0	2394	0	27	0	381	0
EAST GODAVARI	15545	20	11728	0	1433	0	1489	0	328	0
GUNTUR	38818	88	26442	33	3827	0	0	0	428	28
HYDERABAD	0	0	0	0	0	0	0	0	0	0
KARNANUR	803	0	0	0	0	0	318	0	82	0
KHAMMAM	2848	18	2648	0	0	0	117	0	44	0
KRISHNA	14890	0	12881	0	1280	0	0	0	147	0
KURNOOL	8858	0	8576	0	3	0	943	0	0	0
MAHABUBNAGAR	8284	28	4817	0	861	0	128	0	158	28
MEDAK	18280	0	13881	0	1103	0	728	0	2488	0
NALGONDA	12308	14	9488	0	384	0	718	0	790	12
NELLORE	11777	71	8884	14	1882	21	378	0	2427	21
NIZAMABAD	22844	0	11820	0	3818	0	414	0	1	0
PRAKASAM	12242	0	4888	0	2842	0	148	0	2248	0
RAJAHMUNDRAM	8428	0	8188	0	2	0	881	0	482	0
SRIKACRAM	17882	0	13848	0	488	0	384	0	2282	0
VISAKHAPATNAM	17842	0	12834	0	3827	0	400	0	811	0
VIZIANAGARAM	13278	0	8188	0	2824	0	408	0	1077	0
WARANGAL	8878	0	8878	0	0	0	484	0	0	0
WEST GODAVARI	12714	0	8181	0	2728	0	822	0	8	0
Total	287188	272	201287	47	40281	21	10814	0	18871	287



Tracking – Registration



Tracking System - Andhra Pradesh

Maintenance

Services

Help

Log out

Beneficiaries and Programs

- Beneficiary
- Beneficiary Attribute
- Beneficiary Attribute Group
- Beneficiary Identifier Type
- Relationship Type
- Beneficiary Registration
- Program
- Program Attribute
- Beneficiary Aggregation
- Validation Criteria
- Beneficiary Mobile Setting

- India
 - ANDHRA PRADESH
 - ADILABAD District
 - AH Bhainsa
 - PHC Kubeer
 - SC Chatha-1711
 - SC Dehagaon-1702
 - SC Doddama-1714
 - SC Ekkagaon-1701
 - SC Godesara-1710
 - SC Kamole-1705
 - SC Kubeer-1707
 - SC Mahagaon-1703
 - SC Malegaon-1709
 - SC Mirzapoor-1704
 - SC Nigwa-1706
 - SC Palsi-1708

Add New Beneficiary

[Back to Search](#)

Name*

Full Name



Demographics

Gender*

DOB Type*

Blood group

[Check duplicate](#)

Is Under-age

Beneficiary Identifiers

National Health ID Number *

 - - 12 -

Registering Unit Code Program Code Year Beneficiary Code

Unique TB NO

SAM Unique No

Details of Registered person

Gram Panchayat or Village *

Address

Caste

Register person Phone number

Program enrollment screen



Tracking System - Andhra Pradesh

Maintenance

Services

Help

Log out

Registration

Beneficiary

- India
 - ANDHRA PRADESH
 - ADILABAD District
 - AH Bhainsa
 - PHC Kubeer
 - PHC Kuntala
 - AH Mancherla (APVP)
 - CHC Boath
 - CHC Jainoor
 - CHC Khanapur
 - CHC Luxetipet
 - CHC Mudhole
 - CHC Narnoor
 - CHC Nirmal
 - CHC Utnoor
 - CHNC Asifabad
 - CHNC Bellampally

Beneficiary registered

Full Name: V.Mepsiba
Gender: F
Date of Birth: 2005-01-01
Age: (7 yr)

[Back to registration](#)

[Enroll in programme](#)

[Register event](#)

Program

Date of Health card issued *

No	Program Stage	Due Date
1	School Health - Referral Details	2010-01-01
2	School Health-Admission Details	2010-01-01
3	School Health Discharge Details	2010-01-01
4	School Health Follow up Details	2010-01-01

Service updation entry screens

[See history / plan](#)

Program	School Health Program
Program Stage	School Health - Referral Details
Report Date	[Select]
Due Date	School Health - Referral Details
	School Health-Admission Details
	School Health Discharge Details
	School Health Follow up Details

Enter new encounter

Run validation

Complete data entry

Back to search

School Health Details :

Student ID		School Address		Fathers Name		Fathers Education	
Fathers Occupation		Mothers Name		Mothers Education		Mothers Occupation	
Class When Health card issued		Health Card Issue Date		Any Known Allergy		Family History	

Referral Details :

Referral Slip No	
Referral Date	
Referral Hospital Name	
Referral Diagnosis & Treatment	
Any other referral Medical problem	

Aggregated Numbers to Names

Tracking System - Andhra Pradesh														Maintenance	Services	Help	Log out
Beneficiarywise Program,Wage Summary																	
SI No	MC_Name	ANC Registration	ANC 1st check up	ANC 2nd Check up	ANC 3rd Check up	ANC 4th Check up	Delivery & JSY	PNC 1st Day	PNC 3rd Day	PNC 7th Day	PNC 2nd Week	PNC 3rd Week	PNC 4th Week	PNC 6th Week			
1	THA SWAPNA	2011-04-13	2011-04-13	2011-04-13	2011-07-11	2011-08-02	2011-07-24	2011-07-24	2011-07-24	2011-07-24	2011-07-24	2011-07-24	2011-07-24	2011-07-24			
2	CHUNDURU SITA	2011-04-28	2011-04-28	2011-04-28	2011-06-11	2011-04-21	2011-11	2011-11-21	2011-11-21	2011-11-21	2011-11-21	2011-11-21	2011-11-21	2011-11-21			
3	REDDY ADI LAKSHMI	2011-05-15	2011-05-15	2011-05-02	2011-05-21	2011-06-18	2011-11	2011-11-02	2011-11-02	2011-11-02	2011-11-02	2011-11-02	2011-11-02	2011-11-02			
4	INDLA TRUPATHAMMA	2011-05-21	2011-05-21	2011-05-16	2011-05-11	2011-12-29	2011-12	2011-12-12	2011-12-12	2011-12-12	2011-12-12	2012-01-08	2012-01-16	2012-01-30			
5	MADDINENI SPANDANA	2011-05-24	2011-05-24	2011-05-24	2011-06-21	2011-06-08	2011-11	2011-11-02	2011-11-02	2011-11-02	2011-11-02	2011-11-02	2011-11-02	2012-01-13			
6	EEGA DURGA	2011-05-18	2011-05-18	2011-05-18	2011-05-21	2011-06-18	2011-11	2011-11-02	2011-11-02	2011-11-02	2011-11-02	2011-11-02	2011-11-02	2011-11-02			
7	KUMBA KOTESWARI	2011-05-25	2011-05-25	2011-05-25	2011-06-21	2011-05-15	2011-10	2011-10-02	2011-10-02	2011-10-02	2011-10-02	2011-10-02	2012-01-23	2012-01-17			
8	MALLAVARAPU JYOTHI	2011-06-13	2011-06-13	2011-06-13	2011-06-21	2011-05-21	2012-01-12	2012-01-14	2012-01-17	2012-01-21	2012-01-26	2012-02-04	2012-02-11	2012-02-25			
9	GANDAM AMBHKA	2011-06-18	2011-06-18	2011-06-18	2011-06-21	2011-05-21	2011-02	2011-02-11	2011-02-11	2011-02-11	2011-02-11	2012-01-05	2012-01-12	2012-01-26			
10	JULURI TRUPATHAMMA	2011-07-16	2011-07-16	2011-07-16	2011-07-16	2011-02-21	2012-02-16	2012-02-18	2012-02-21	2012-02-25	2012-03-01	2012-03-10	2012-03-17	2012-03-31			
11	CHELAMCHARLA USHARANI	2011-07-16	2011-07-16	2011-07-16	2011-07-16	2011-02-21	2012-02-16	2012-02-18	2012-02-21	2012-02-25	2012-03-01	2012-03-10	2012-03-17	2012-03-31			
12	CHELAMCHARLA NAGARANI	2011-07-21	2011-07-21	2011-06-21	2011-07-08	2011-02-21	2012-02-10	2012-02-12	2012-02-15	2012-02-19	2012-03-24	2012-03-04	2012-03-11	2012-03-25			
13	NAMESURI RANI	2011-07-28	2011-07-28	2011-07-28	2011-07-28	2011-02-21	2012-01-27	2012-01-29	2012-02-01	2012-02-05	2012-02-10	2012-02-19	2012-02-26	2012-03-11			
14	EEGA POLAMMA	2011-07-21	2011-07-21	2011-07-16	2011-06-18	2011-05-21	2012-01-12	2012-01-14	2012-01-17	2012-01-21	2012-02-26	2012-02-04	2012-02-11	2012-02-25			

Workflow: Service Registration – Multi Dataentry (Mother Care Program)



Tracking System - Andhra Pradesh

Maintenance

Services

Help

Log out

Reporting Unit

Program

Sort By

Full Name	ANC Registration	ANC 1st check up	ANC 2nd Check up	ANC 3rd Check up	ANC 4th Check up	Delivery & JSY	PNC 1st Day	PNC 3rd Day	PNC 7th Day	PNC 2nd Week	PNC 3rd Week	PNC 4th Week	PNC 6th Week
Rama Renuka	2011-03-23	2011-03-23	2011-05-10	2011-08-08	2011-09-22	2011-11-13	2011-11-15	2011-11-18	2011-11-22	2011-11-27	2011-12-06	2011-12-13	2011-12-27
Gekani Maniula	2011-01-28	2011-01-28	2011-03-15	2011-08-13	2011-07-28	2011-09-18	2011-09-20	2011-09-23	2011-09-27	2011-10-02	2011-10-11	2011-10-18	2011-11-01
Darawath Kavitha	2011-03-25	2011-03-25	2011-05-12	2011-08-10	2011-09-24	2011-11-15	2011-11-17	2011-11-20	2011-11-24	2011-11-29	2011-12-08	2011-12-15	2011-12-29
Sabeeva Bequm	2011-03-21	2011-03-21	2011-05-08	2011-08-08	2011-09-20	2011-11-11	2011-11-13	2011-11-16	2011-11-20	2011-11-25	2011-12-04	2011-12-11	2011-12-25
Chakali Renuka	2011-07-18	2011-07-18	2011-09-04	2011-12-03	2012-01-17	2012-03-09	2012-03-11	2012-03-14	2012-03-18	2012-03-23	2012-04-01	2012-04-08	2012-04-22
Linga Swapna	2011-01-13	2011-01-13	2011-03-02	2011-05-31	2011-07-15	2011-09-05	2011-09-07	2011-09-10	2011-09-14	2011-09-19	2011-09-28	2011-10-05	2011-10-19
Salima Bequm	2010-08-31	2010-08-31	2010-09-19	2010-12-18	2011-02-01	2011-03-31	2011-03-31	2011-03-30	2011-04-03	2011-04-08	2011-04-17	2011-04-24	2011-05-08
V Bhanu	2010-08-02	2010-08-02	2010-09-19	2010-12-18	2011-02-01	2011-03-25	2011-03-27	2011-03-30	2011-04-03	2011-04-08	2011-04-17	2011-04-24	2011-05-08
Amqathu Kamala	2011-03-11	2011-03-11	2011-04-28	2011-07-27	2011-09-10	2011-11-01	2011-11-03	2011-11-06	2011-11-10	2011-11-15	2011-11-24	2011-12-01	2011-12-15
Talari Shoba	2010-11-10	2010-11-10	2010-12-28	2011-03-28	2011-05-12	2011-07-03	2011-07-05	2011-07-08	2011-07-12	2011-07-17	2011-07-26	2011-08-02	2011-08-16
Anqathu Kamala	2011-07-23	2011-07-23	2011-09-09	2011-12-08	2012-01-22	2012-03-14	2012-03-16	2012-03-19	2012-03-23	2012-03-28	2012-04-06	2012-04-13	2012-04-27
G Sumalatha	2011-01-19	2011-01-19	2011-03-08	2011-08-08	2011-07-21	2011-09-11	2011-09-13	2011-09-16	2011-09-20	2011-09-25	2011-10-04	2011-10-11	2011-10-25
B Swamalatha	2011-04-28	2011-04-28	2011-08-13	2011-09-11	2011-10-26	2011-12-17	2011-12-19	2011-12-22	2011-12-26	2011-12-31	2012-01-09	2012-01-16	2012-01-30
Shabani Shamala	2011-01-20	2011-01-20	2011-03-09	2011-06-07	2011-07-22	2011-09-12	2011-09-14	2011-09-17	2011-09-21	2011-09-26	2011-10-05	2011-10-12	2011-10-26
Talari Mamatha	2011-03-14	2011-03-14	2011-05-01	2011-07-30	2011-09-13	2011-11-04	2011-11-06	2011-11-09	2011-11-13	2011-11-18	2011-11-27	2011-12-04	2011-12-18
Darawath Laliitha	2011-03-24	2011-03-24	2011-05-11	2011-08-09	2011-09-23	2011-11-14	2011-11-16	2011-11-19	2011-11-23	2011-11-28	2011-12-07	2011-12-14	2011-12-28
Yerukala Anitha	2011-05-03	2011-05-03	2011-06-20	2011-09-18	2011-11-02	2011-12-24	2011-12-26	2011-12-29	2012-01-02	2012-01-07	2012-01-16	2012-01-23	2012-02-06
Gabbala Malasree	2011-04-08	2011-04-08	2011-05-24	2011-08-22	2011-10-06	2011-11-27	2011-11-29	2011-12-02	2011-12-06	2011-12-11	2011-12-20	2011-12-27	2012-01-10

Green Color – Services Given,
Pink Color- Incomplete Services Given,

Red Color- Overdue,
Yellow Color- Services Due

Summary Reports

- [-] GODAVARI District
- [+] EAST GODAVARI District
- [+] GUNTUR District
- [+] HYDERABAD District
- [+] KARIMNAGAR District
- [+] KHAMMAM District
- [+] KRISHNA District
- [+] KURNOOL District
- [+] MAHBUBNAGAR District
- [+] MEDAK District
- [+] CHNC Dubbak
- [+] CHNC Gajwel
- [+] CHNC Jogipet
- [+] CHNC Kober

Full Name	ANC Registration	ANC 1st check up	ANC 2nd Check up	ANC 3rd Check up	ANC 4th Check up	Delivery & JSY	PNC 1st Day	PNC 3rd Day	PNC 7th Day	PNC 2nd Week	PNC 3rd Week	PNC 4th Week	PNC 6th Week
Salima Begum	2010-08-31	2010-08-31	2010-09-19	2010-12-18	2011-02-01	2011-03-31	2011-03-31	2011-03-30	2011-04-03	2011-04-08	2011-04-17	2011-04-24	2011-05-0
V.Rohanu	2010-08-02	2010-08-02	2010-08-19	2010-12-18	2011-02-01	2011-03-25	2011-03-27	2011-03-30	2011-04-03	2011-04-08	2011-04-17	2011-04-24	2011-05-0

DHIS 2 - Mozilla Firefox

http://localhost:9090/dhis/dhis-web-caseentry/viewRecords.action?id=170250

Tracking System - Andhra Pradesh

Close

Full Name: Salima Begum
 Gender: F
 Date of Birth: 1989-07-05
 Age: (22 yr)

Records for ANC Registration

Number	Data Element	Entry	provided_by_another_facility
1	Does Pregnant Women have HIV - Tracking	No	
2	Examination of CVS - Tracking	Yes	
3	Examination of RS - Tracking	Yes	

Identifier:
 2804030405-1-11-0001
 1989070500452616

Attributes:
 Name of Relative: Babu
 Phone no of ANM: 9441721381
 Gram Panchayat or Village: Pothanpally
 Name of Asha: B. Lalitha
 Caste: Others
 Address: Pothanpally
 Name of ANM: G. Anuradha
 Relation with Registered Person:
 Husband

Enrolled in Programs:
 Mother Care Program

1	2012-03-14	2012-04-22
6	2012-03-19	2012-04-2
5	2011-11-18	2011-12-2
1	2011-11-19	2011-12-2
1	2011-11-30	2012-01-0
1	2011-11-20	2011-12-2
8	2011-11-11	2011-12-2
8	2011-11-16	2011-12-2
9	2011-12-22	2011-12-26 20
7	2011-10-10	2011-10-14 20
6	2011-12-29	2012-01-02 20
9	2011-01-19	2011-01-19 2011-03-08 2011-06-06 2011-07-21 2011-09-11 2011-09-13 2011-09-16 2011-09-20 20
Gekani Maniula	2011-01-26	2011-01-26 2011-03-15 2011-06-13 2011-07-28 2011-09-18 2011-09-20 2011-09-23 2011-09-27 2011-10-02 2011-10-11 2011-10-18 2011-11-0
Talan Mamatha	2011-03-14	2011-03-14 2011-05-01 2011-07-30 2011-09-13 2011-11-04 2011-11-06 2011-11-09 2011-11-13 2011-11-18 2011-11-27 2011-12-04 2011-12-11
Karingala Shilaja	2011-03-03	2011-03-03 2011-04-20 2011-07-19 2011-09-02 2011-10-24 2011-10-26 2011-10-29 2011-11-02 2011-11-07 2011-11-16 2011-11-23 2011-12-0

Details of services can be checked

Details of beneficiary can be seen

Tracker Workflow: Aggregating Data

DHIS 2 - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

http://localhost:9090/nbits/dhis-web-dashboard/graphicalAnalyser.action

Chart Result Screen - Mozilla Firefox

http://localhost:9090/nbits/dhis-web-dashboard/generateChartData.action

[Export To Excel](#) Select Sort Type

Service Name	Jan-2010	Feb-2010	Mar-2010	Apr-2010	May-2010	Jun-2010	Jul-2010
Number of ANC Registration	7.0	2.0	2.0	0.0	0.0	0.0	0.0

3D BarChart
 Service : Number of ANC Registration,
 OrganisationUnit : Nulvanya SHC
 Period : 2010-01-01 To 2010-07-31

Selected orgunit	Village	Patient Identifier	Patient Name	Address	Gender	Age	Date of ANC Examination	Execution Date
Nulvanya SHC	Nulvanya	2321041201100001	Aamna	Nulvanya	F	(23 yr)	2010-01-29	2010-01-31
Nulvanya SHC	Nulvanya	2321041201100002	Paro	Nulvanya	F	(22 yr)	2010-01-29	2010-01-31
Nulvanya SHC	Nulvanya	2321041201100003	Kalms	Nulvanya	F	(25 yr)	2010-01-19	2010-01-31
Nulvanya SHC	Nulvanya	2321041201100004	Budhi Bai	Nulvanya	F	(23 yr)	2010-01-28	2010-01-11
Nulvanya SHC	Nulvanya	2321041201100005	Hirbai	Nulvanya	F	(24 yr)	2010-01-06	2010-01-06
Nulvanya SHC	Nulvanya	2321041201100011	Mamta	Nulvanya	F	(23 yr)	2010-01-19	2010-01-19
Nulvanya SHC	Nulvanya	2321041201100014	Kali Bai	Nulvanya	F	(24 yr)	2010-01-13	2010-01-14

Value

Time Line

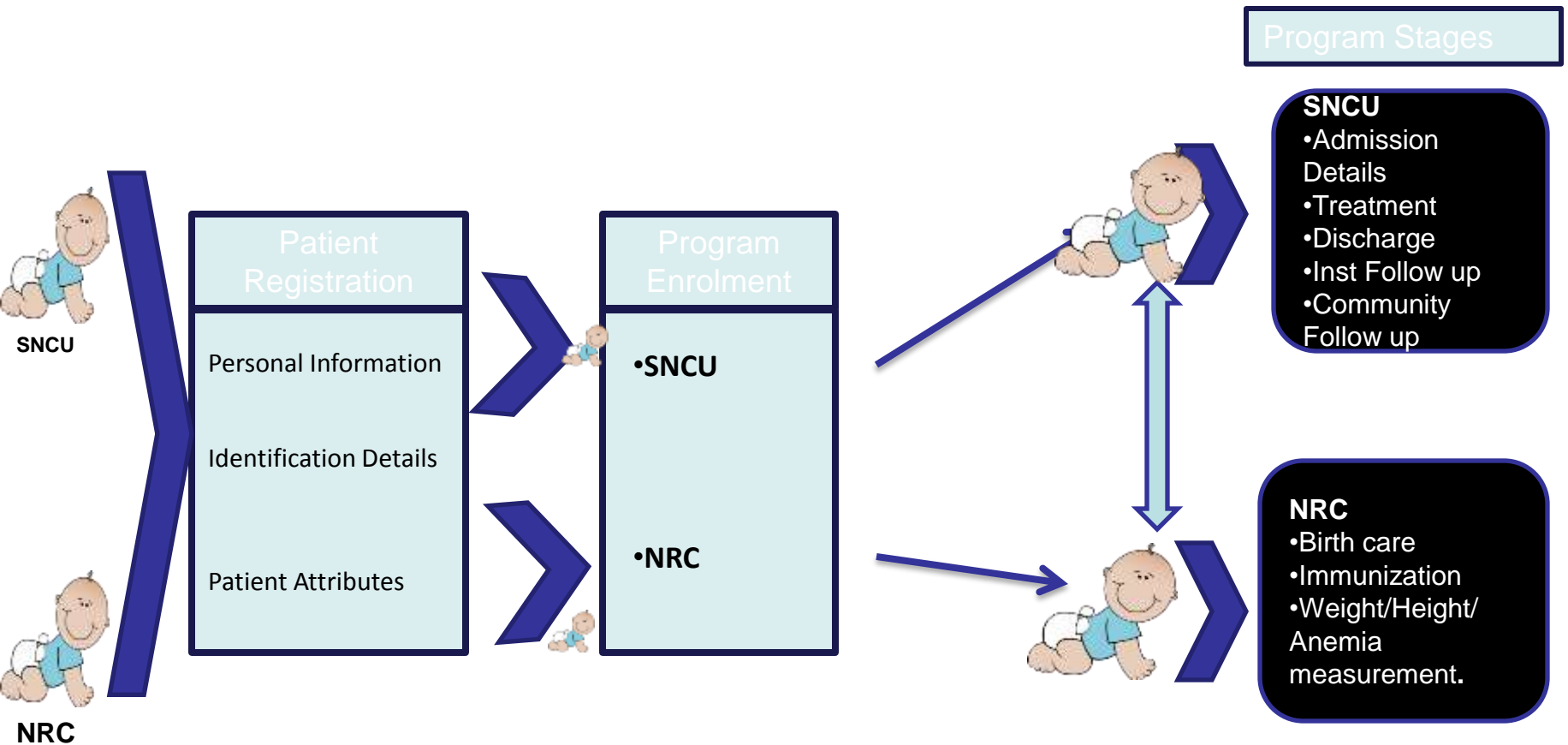
■ Number of ANC Registration

Done

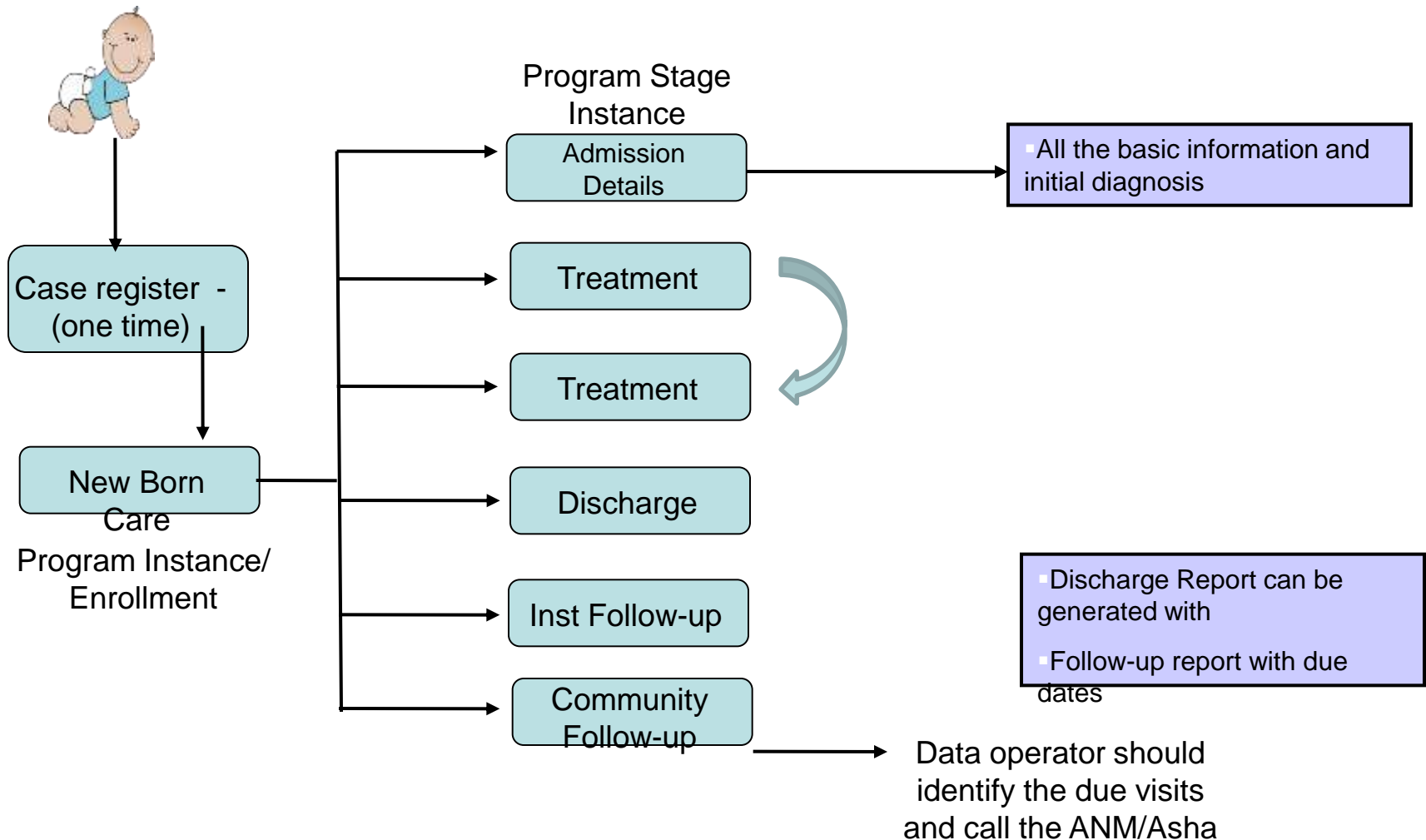
New Born Care Information System on DHIS Tracker

Odisha

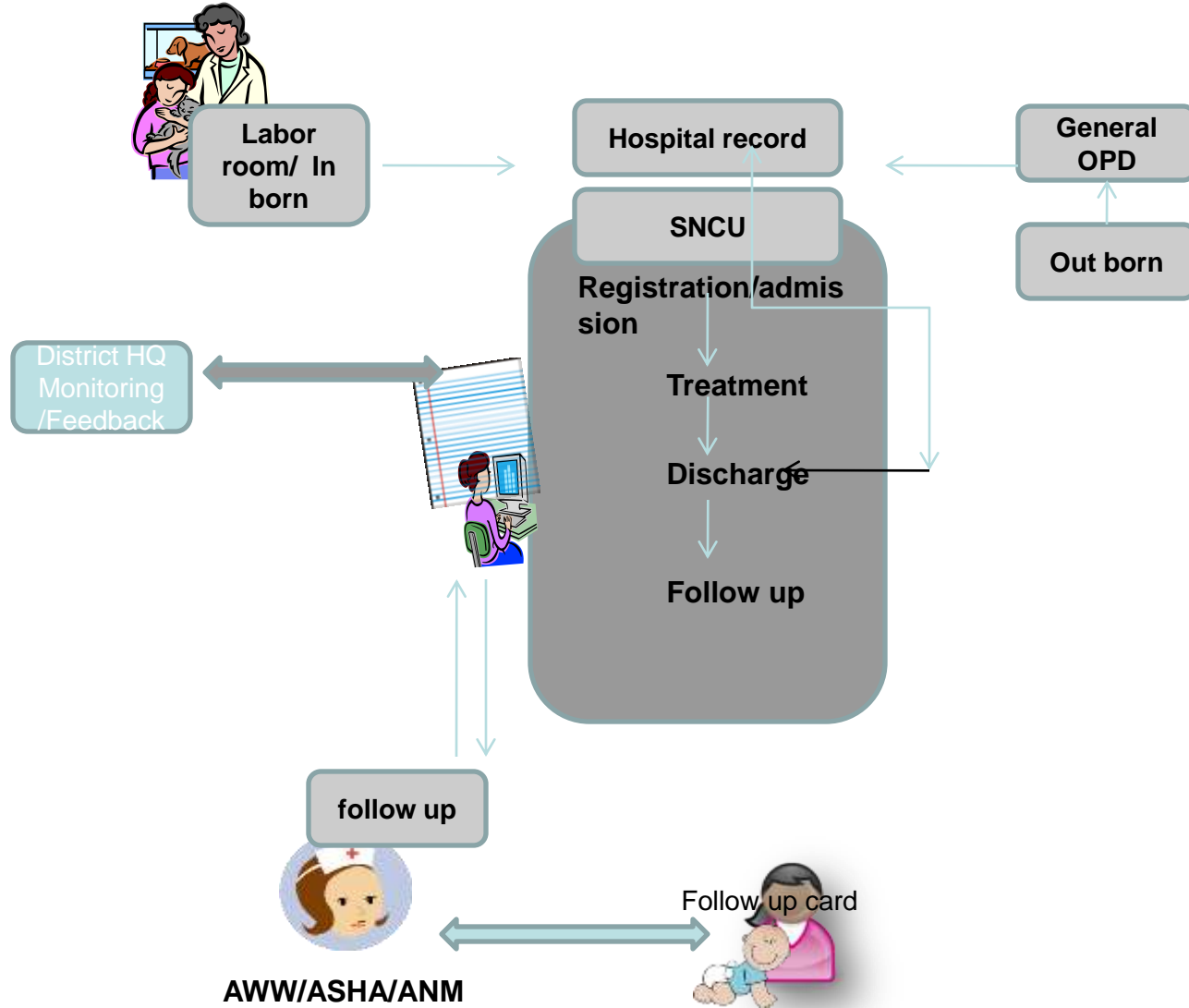
Integrated Programme



Program Stage. Example



Information flow



Multiple Individual Records

DHIS2
Maintenance Services Help Log out

Data entry

- Multiple individual records
- Single event with registration
- Single event without registration

- India
 - Orissa
 - ANGUL District
 - BALASORE District
 - BARGARH District
 - BHADRAK District
 - BOLANGIR District
 - BOUDH District
 - CUTTACK District
 - DEOGARH District
 - DHENKANAL District
 - GAJAPATI District
 - GANJAM District
 - JAGATSINGPUR District
 - JAJPUR District

Multiple individual records ?

Special New born care programme

Back

What do colors mean?

Baby of Nini Patra	→	Admission Details SNCU 2012-07-22	→	Treatment details SNCU 2012-07-22	→	Discharge Details SNCU 2012-07-25	→	Community Follow up details SNCU 2012-07-29	→	Institution Follow up Details SNCU 2012-08-06
Baby of Lipika Giri	→	Admission Details SNCU 2012-07-22	→	Treatment details SNCU 2012-07-22	→	Discharge Details SNCU 2012-07-25	→	Community Follow up details SNCU 2012-07-29	→	Institution Follow up Details SNCU 2012-08-06
Baby of hiramani Hansda B	→	Admission Details SNCU 2012-07-22	→	Treatment details SNCU 2012-07-22	→	Discharge Details SNCU 2012-07-25	→	Community Follow up details SNCU 2012-07-29	→	Institution Follow up Details SNCU 2012-08-06
Baby of Hiramani Hansda A	→	Admission Details SNCU 2012-07-22	→	Treatment details SNCU 2012-07-22	→	Discharge Details SNCU 2012-07-25	→	Community Follow up details SNCU 2012-07-29	→	Institution Follow up Details SNCU 2012-08-06
Baby of Kajal Senapati	→	Admission Details SNCU 2012-07-21	→	Treatment details SNCU 2012-07-21	→	Discharge Details SNCU 2012-07-24	→	Community Follow up details SNCU 2012-07-28	→	Institution Follow up Details SNCU 2012-08-05
Baby of Mamatarani Sahu	→	Admission Details SNCU 2012-07-21	→	Treatment details SNCU 2012-07-21	→	Discharge Details SNCU 2012-07-24	→	Community Follow up details SNCU 2012-07-28	→	Institution Follow up Details SNCU 2012-08-05
Baby of Mamata Dalei	→	Admission Details SNCU 2012-07-21	→	Treatment details SNCU 2012-07-21	→	Discharge Details SNCU 2012-07-24	→	Community Follow up details SNCU 2012-07-28	→	Institution Follow up Details SNCU 2012-08-05
Baby of ...	→	Admission	→	Treatment	→	Discharge	→	Community	→	Institution

Data entry

- Multiple individual records
- Single event with registration
- Single event without registration

- ORISSA District
- KORAPUT District
 - MALKANGIRI District
 - MAYURBHANJ District
 - Bahalada Block Area
 - Bangriposi Block Area
 - Barasahi Block Area
 - Baripada Block Area
 - NRC Baripada**
 - SNCU Mayurbhanj
 - Betanoti Block Area
 - Bijatola Block Area
 - Bisoi Block Area
 - Gopabandhanagar Block Area
 - Jamada Block Area
 - Jasipur Block Area

Multiple individual records ?

Nutrition Rehabilitation Programme

Back

What do colors mean?

Barsa Sing	→	Admission Details NRC 2012-07-01	→	Discharge Details 2012-07-08	→	Institution Follow up Details 2012-07-08	→	Progress details 2012-07-09	→	Community Follow up details 2012-07-09
Lilmani Soren	→	Admission Details NRC 2012-07-11	→	Progress details 2012-07-11	→	Discharge Details 2012-07-18	→	Institution Follow up Details 2012-07-18	→	Community Follow up details 2012-07-19
Makai Kisku	→	Admission Details NRC 2012-07-12	→	Progress details 2012-07-12	→	Discharge Details 2012-07-19	→	Institution Follow up Details 2012-07-19	→	Community Follow up details 2012-07-20
Jamuna Naik	→	Admission Details NRC 2012-07-10	→	Progress details 2012-07-10	→	Discharge Details 2012-07-17	→	Institution Follow up Details 2012-07-17	→	Community Follow up details 2012-07-18
Dhara Marandi	→	Admission Details NRC 2012-06-05	→	Progress details 2012-06-05	→	Discharge Details 2012-06-12	→	Institution Follow up Details 2012-06-12	→	Community Follow up details 2012-06-13
Lilimni Soren	→	Admission Details NRC 2012-04-08	→	Progress details 2012-04-08	→	Institution Follow up Details 2012-04-15	→	Community Follow up details 2012-04-16	→	Discharge Details 2012-05-05

No. of pages: 1

No. of rows per page:

Jump to page:

Go

« « 1 » »

Work flow - summary

- Registration
- Programme Enrollment
- Record updating /data entry
 - a. Admission
 - b. Treatment/ process
 - c. Discharge-> generate discharge report
 - d. Institutional Follow up- generate report
 - e. Community Follow up-generate report
- Aggregated Reports

SMS Alert system

SMS Reminder

Registering unit
Program

Search by name or identifier

SMS message management

Result matches the search criteria: Advanced search persons
Total number of results: 32

SMS message management

Full name: Nguyen Thi A
Gender: F
Date of birth: 2012-08-02 (< 1 yr)

Send SMS

Date	Message



At 6 months after birth
2012-03-31



At 9 months after birth
2012-07-01



Nguyen Thi A

At Birth
2011-10-01



tran test vi

At Birth
2012-08-02



At 1 week after birth
2012-08-09



At 6 weeks after birth
2012-09-13



At 10 weeks after birth
2012-10-11



At 9 months after birth
2013-05-03



sent_sms

Gateway type

BulkSMS Gateway

Message

Please visit health facility to check your health.

SNCU Aggregated Report(District Consolidated)GOI

Clipboard					Font					Alignment					Number					Styles					Cells					Editing				
A1													fx																					
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z									
1	Special New Born Care Unit - Odisha																																	
2																																		
3	SNCU Mayurbhanj												August		2012																			
4																																		
5	Section B (to be filled from the special newborn care unit/Newborn stabilization unit records)																																	
6	S.No.	Total number											Inborn (I)	Outborn (O)																				
7	7	Admissions in the unit																																
8	7a	Male										95	64																					
9	7b	Female										67	34																					
10	8	Birth weight /weight at admission* (Inborn - Record the birth weight/outborn - Record birth weight if available; if it is not available, record and report weight at admission)																																
11	8a	> 2500 g										77	42																					
12	8b	1500 - 2499 g										66																						
13	8c	1000 - 1499 g										18	10																					
14	8d	< 1000 g										1	1																					
15	9	Gestation																																
16	9a	> 37 weeks										70	51																					
17	9b	34 - 37 weeks										83	43																					
18	9c	< 34 weeks										9	51																					
19	10	Morbidity profile																																
20	10a	Respiratory distress syndrome										97	58																					
21	10b	Meconium aspiration syndrome										97	155																					
22	10c	Other causes of respiratory distress										97	58																					
23	10d	HIE/Moderate-severe birth asphyxia										97	58																					
24	10e	Sepsis/Pneumonia/Meningitis										97	58																					

SNCU Follow-up Due Dates Report

SNCUDueDateSheet_SNCU Angul.xls [Compatibility Mode] - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Developer

Clipboard Font Alignment Number Styles Cells Editing

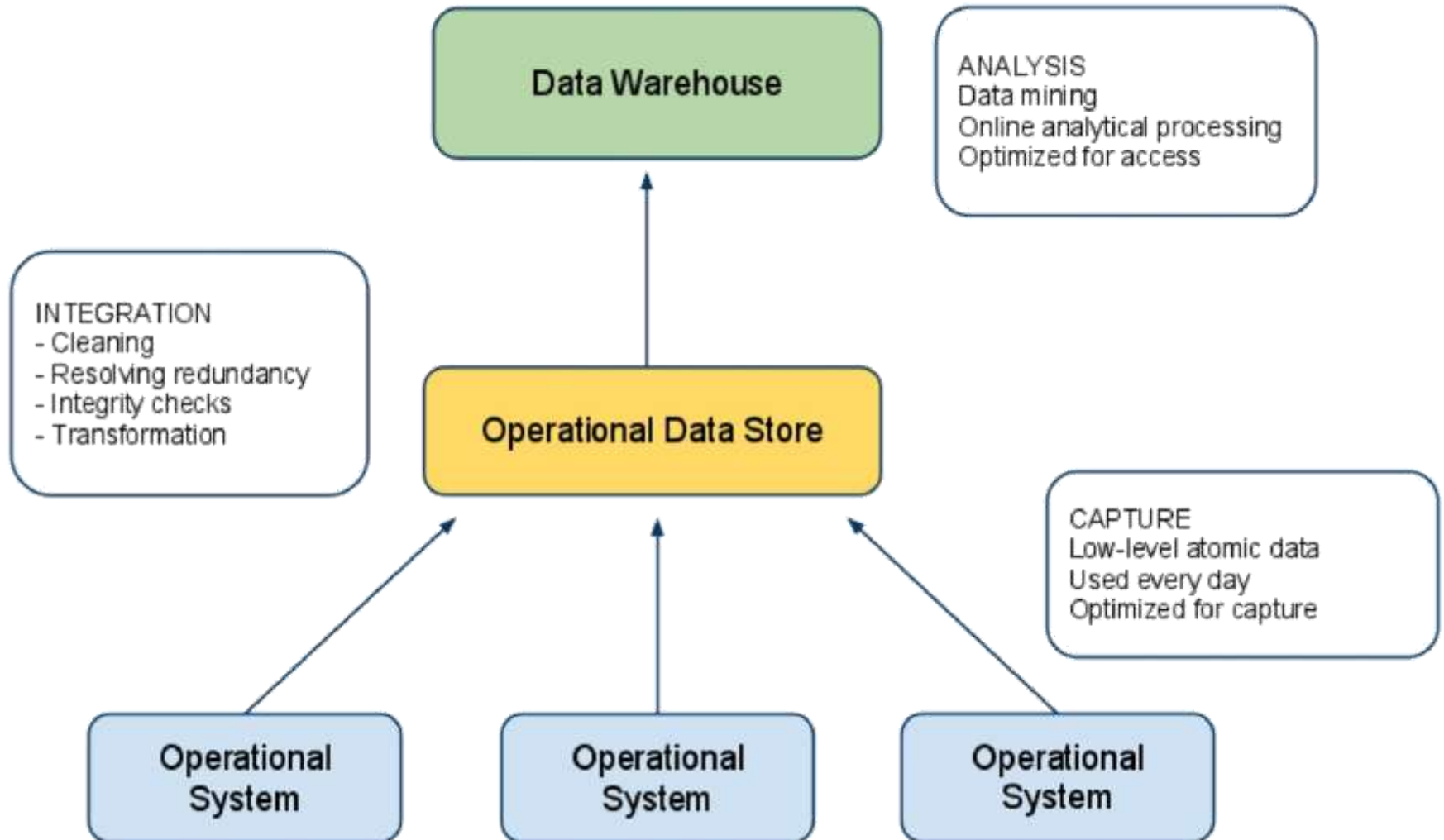
I7

	C	D	E	F	G	H	I	J	K	L	M	N	R	S	
1			Due dates list												
2	Name of the facility	SNCU Angul				ANGUL District									
3						Angul Block									
4	Period - From	01-04-2012	To	31-05-2012											
5															
6	Name of Baby	Gender	ID Number	DOB	Mother's Name	Ph.No of ANM	Ph.No of ASHA	First Followup	Second Followup	Third Followup	Fourth Followup	Fifth Followup			
7	Baby of A Ganga	F	2042400737	24-04-2012	A. Ganga			13-05-2012	28-05-2012	12-06-2012	28-07-2012	28-04-2013			
8	Bo Rina Dang	M	2040110455	01-04-2012	Rina Dang	9861556055		20-04-2012	05-05-2012	20-05-2012	05-07-2012	05-04-2013			
9	BoRasmita Naik	M	2033110316	31-03-2012	Rasmita Naik			23-04-2012	08-05-2012	23-05-2012	08-07-2012	08-04-2013			
10	Bo Sita naik	M	2050110246	01-05-2012	Sita Naik			23-05-2012	08-06-2012	22-06-2012	08-08-2012	08-05-2013			
11	Bo Dukhi Basantra	F	2050100601	01-05-2012	Dukhi Basantara			26-05-2012	11-06-2012	25-06-2012	11-08-2012	11-05-2013			
12	Bo Milli Parida	F	2050200127	02-05-2012	Milli Parida			21-05-2012	06-06-2012	20-06-2012	06-08-2012	06-05-2013			
13	Bo Sunita Das	M	2050510264	05-05-2012	Sunita Das			21-05-2012	06-06-2012	20-06-2012	06-08-2012	06-05-2013			
14	Bo Chamili Rout	M	2050610601	06-05-2012	Chamili Rout			22-05-2012	07-06-2012	21-06-2012	07-08-2012	07-05-2013			
15	Bo Sushanti Sahu	F	2050600730	06-05-2012	Sushanti Sahu			27-05-2012	12-06-2012	26-06-2012	12-08-2012	12-05-2013			
16	Bo Gouripriya Nayak	M	2050710858	07-05-2012	Gouripriya Nayak			26-05-2012	11-06-2012	25-06-2012	11-08-2012	11-05-2013			
17	Bo Baijayanti Garnaik	F	2050600206	06-05-2012	Baijayanti Garnaik			26-05-2012	11-06-2012	25-06-2012	11-08-2012	11-05-2013			
18	Bo Puni Pradhan	F	2050900054	09-05-2012	puni Pradhan			27-05-2012	12-06-2012	26-06-2012	12-08-2012	12-05-2013			
19	Bo Rinki samal	M	2050710893	07-05-2012	Rinki Samal			27-05-2012	12-06-2012	26-06-2012	12-08-2012	12-05-2013			
20	Bo Basanti Behera	M	2042510833	25-04-2012	Basanti Behera			31-05-2012	16-06-2012	30-06-2012	16-08-2012	16-05-2013			
21	Bo Pinky barik	M	2051110368	11-05-2012	Pinky Barik			27-05-2012	12-06-2012	26-06-2012	12-08-2012	12-05-2013			
22	Bo Basanti Bhoi	M	2051210510	12-05-2012	Basanti Bhoi			29-05-2012	14-06-2012	28-06-2012	14-08-2012	14-05-2013			
23	Bo amnju Bhoi	M	2051310796	13-05-2012	Manju Bhoi			30-05-2012	15-06-2012	29-06-2012	15-08-2012	15-05-2013			
24	Bo Sumati Sahu	M	2051310636	13-05-2012	Sumati Sahu			29-05-2012	14-06-2012	28-06-2012	14-08-2012	14-05-2013			
25															
26															
27															

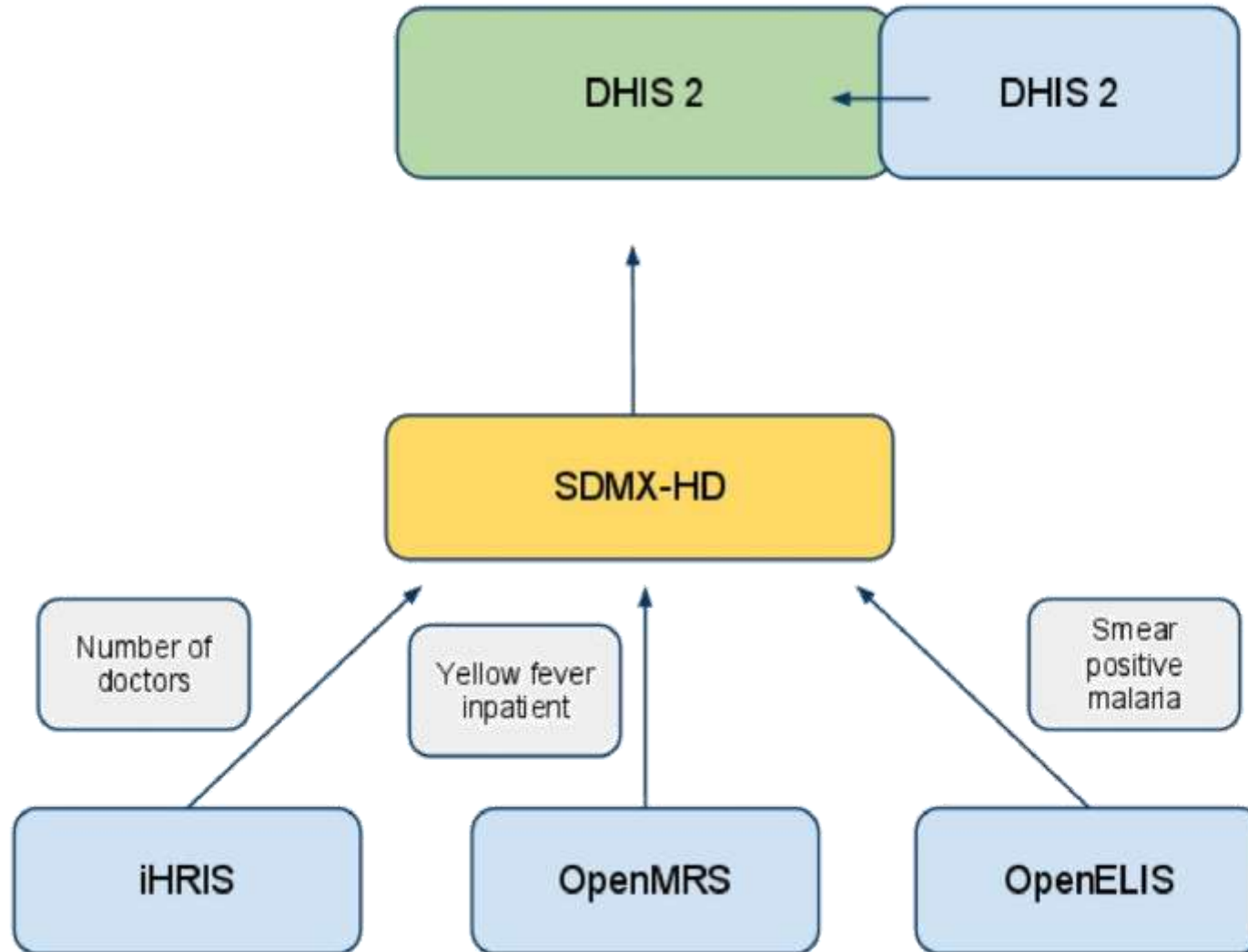
Sheet1 Sheet2 Sheet3

DHIS 2 as Data Warehouse

Data Warehouse



DHIS 2 as Data Warehouse



Benefits of a Data Warehouse

- Consistency
 - Common data model / abstraction for many data sources
- Reliability
 - Independent of feeding operational systems
- Analysis performance
 - Designed for speed of retrieval / analysis

Challenges with a Data Warehouse

- High cost
 - Operational systems often not similar
 - Legacy systems
- Data validity
 - Complex process
 - Out-dated / irrelevant data
- Increasingly popular to merge DW and OS
 - Single system / tightly integrated
 - DHIS 2 can serve both purposes

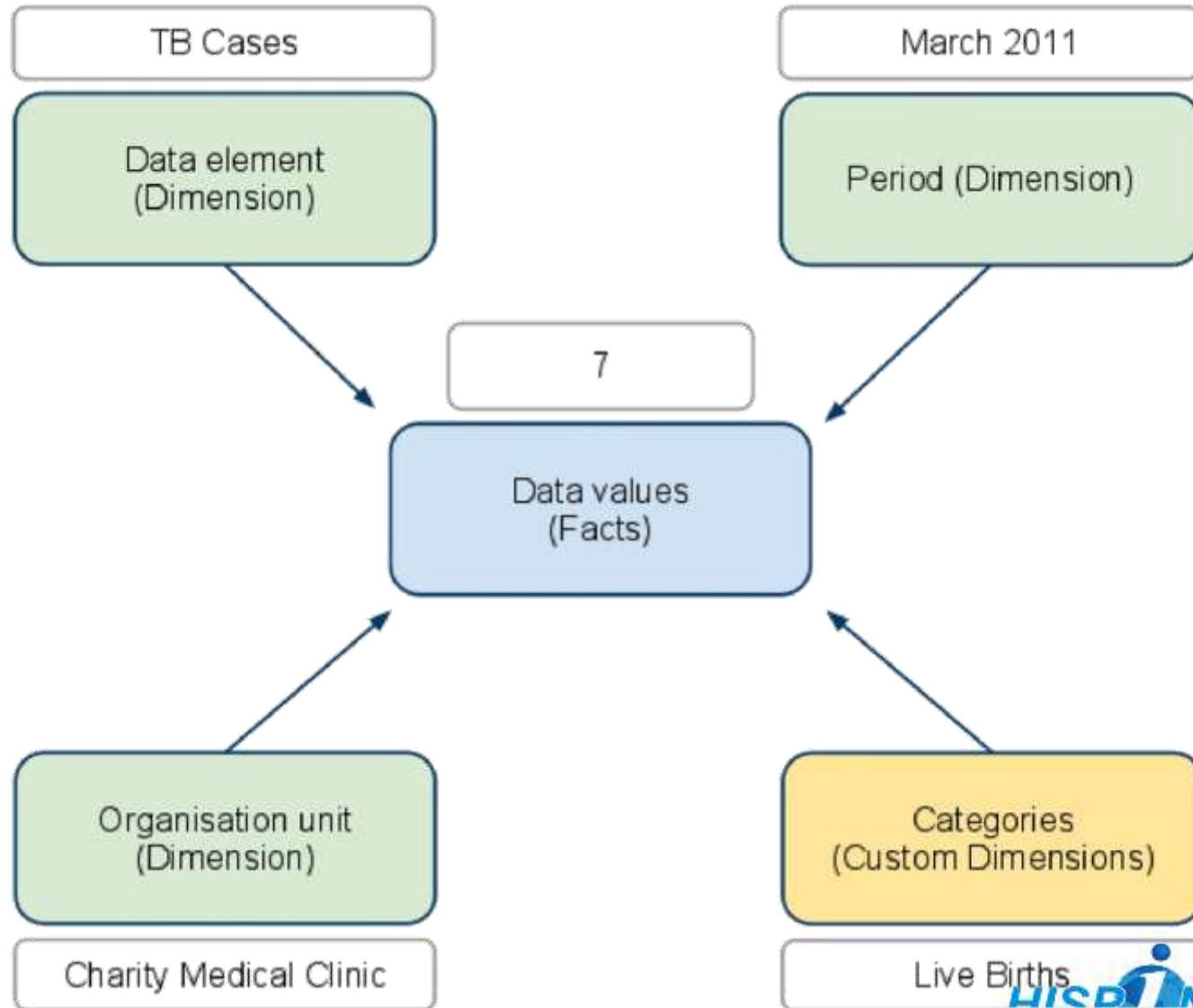
Aggregation Strategies

- *Real-time: Aggregation on-the-fly*
- Reports immediately available after data entry
- Bad performance with large databases

Aggregation Strategies

- *Batch: Pre-populated data mart*
- Aggregation takes place at night
- Reports read from a data mart
- Optimized for *org unit and period aggregation*
- Reports available the next morning

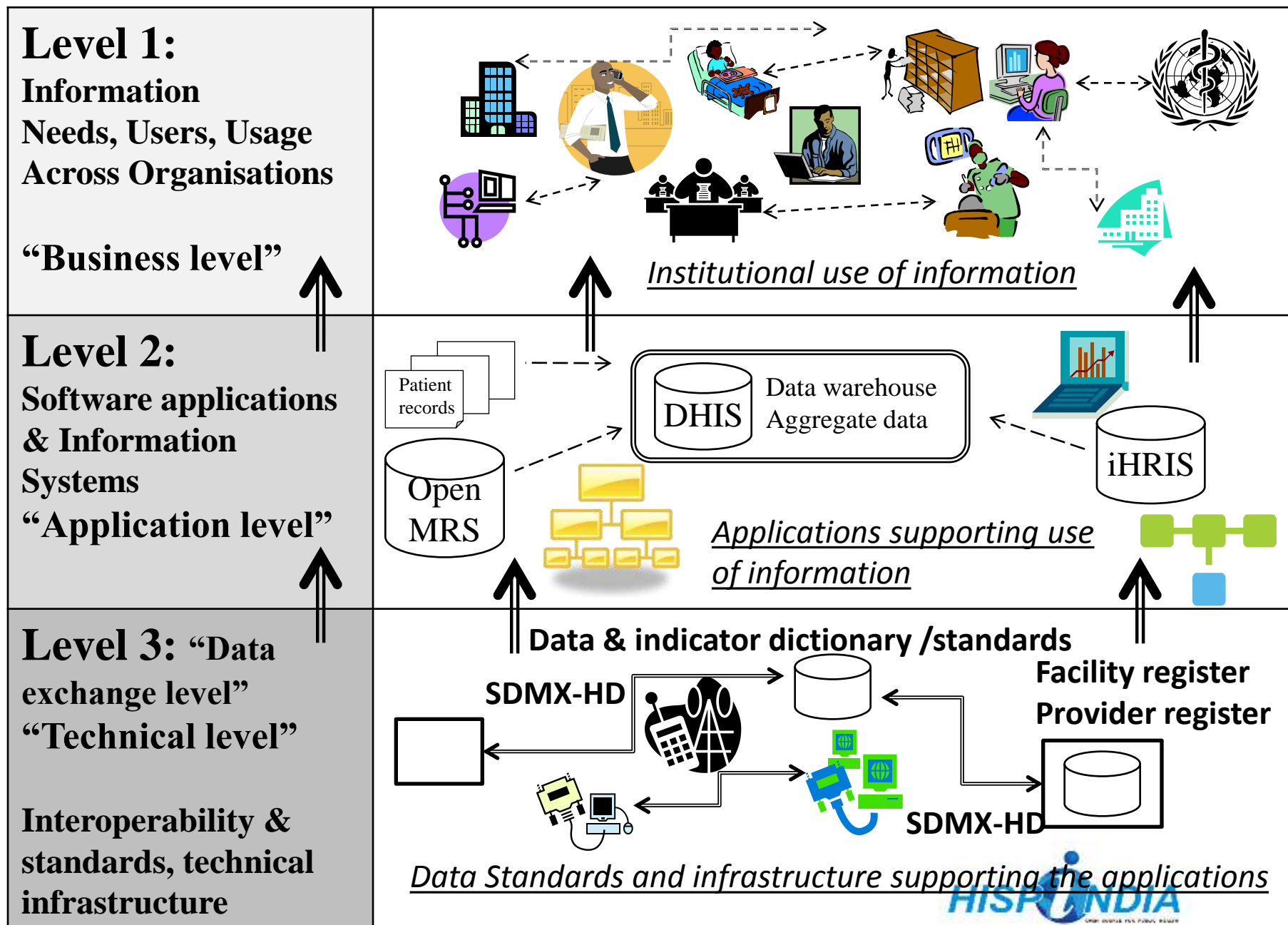
Data Storage: Dimensional Approach



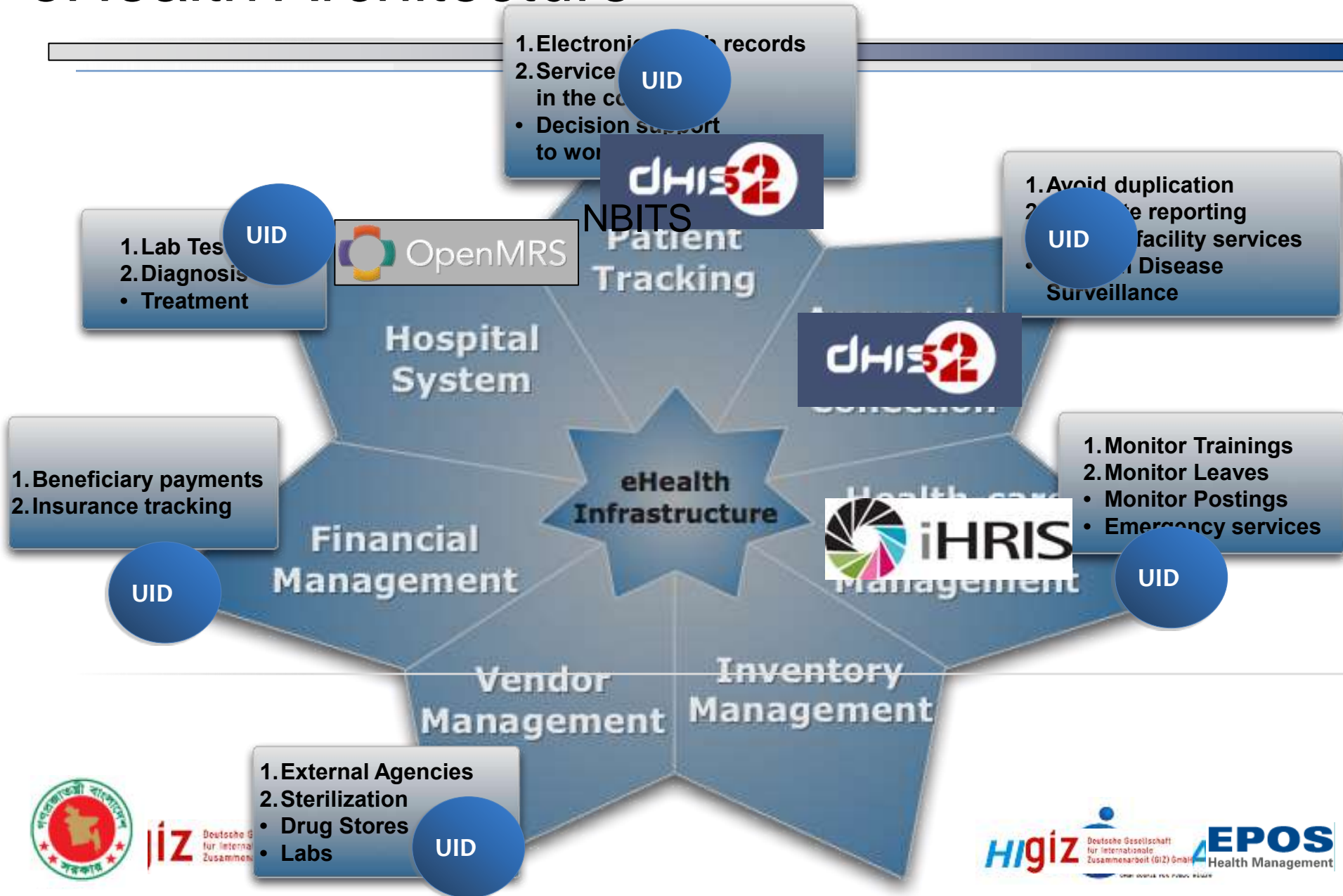
Building blocks for integrated architecture

- Open standards – in-line with global health standards
- Free and open source software
- Data warehousing approach
- Uniform BI functionalities including GIS
- Core information analysis group
- Focus on information for action

Enterprise architecture: 3 Levels (each serving the level above)



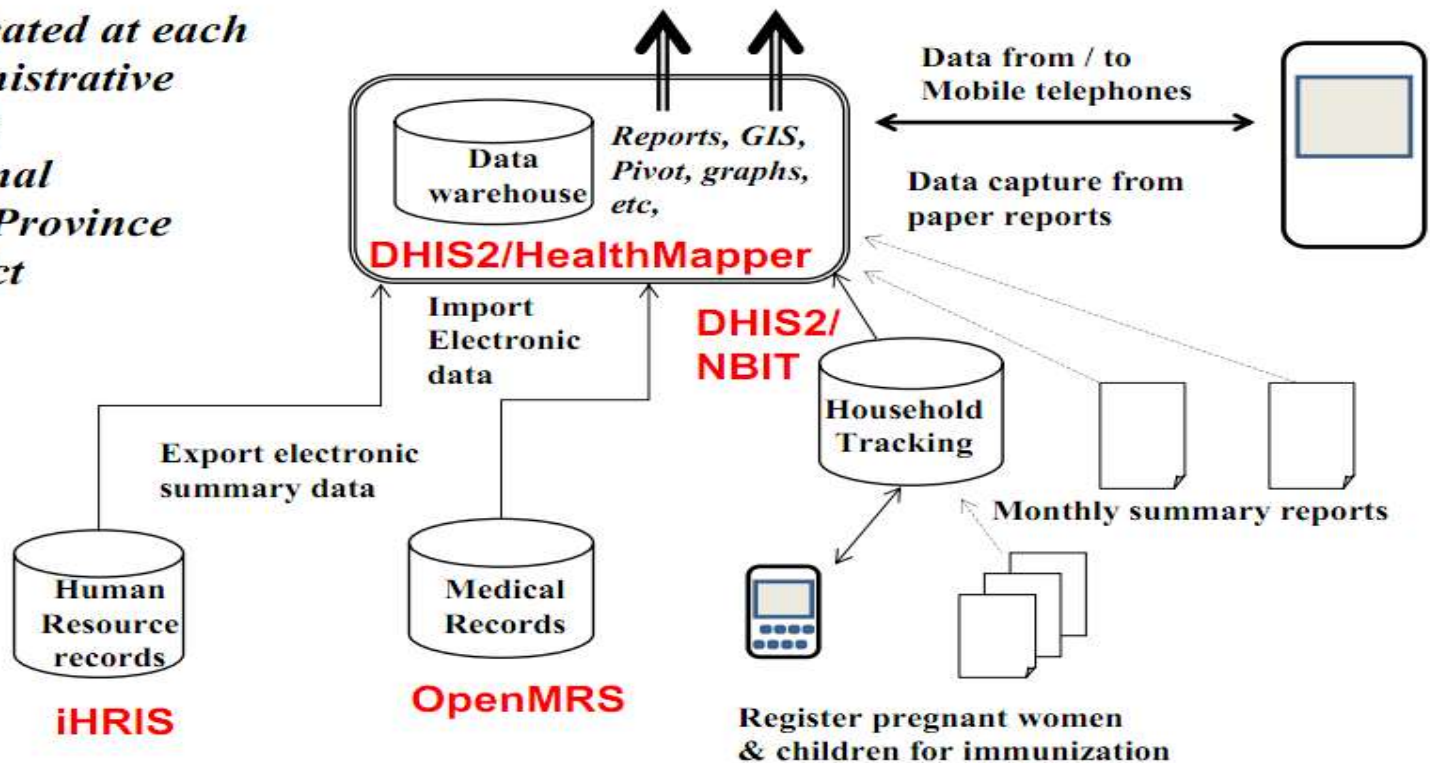
eHealth Architecture



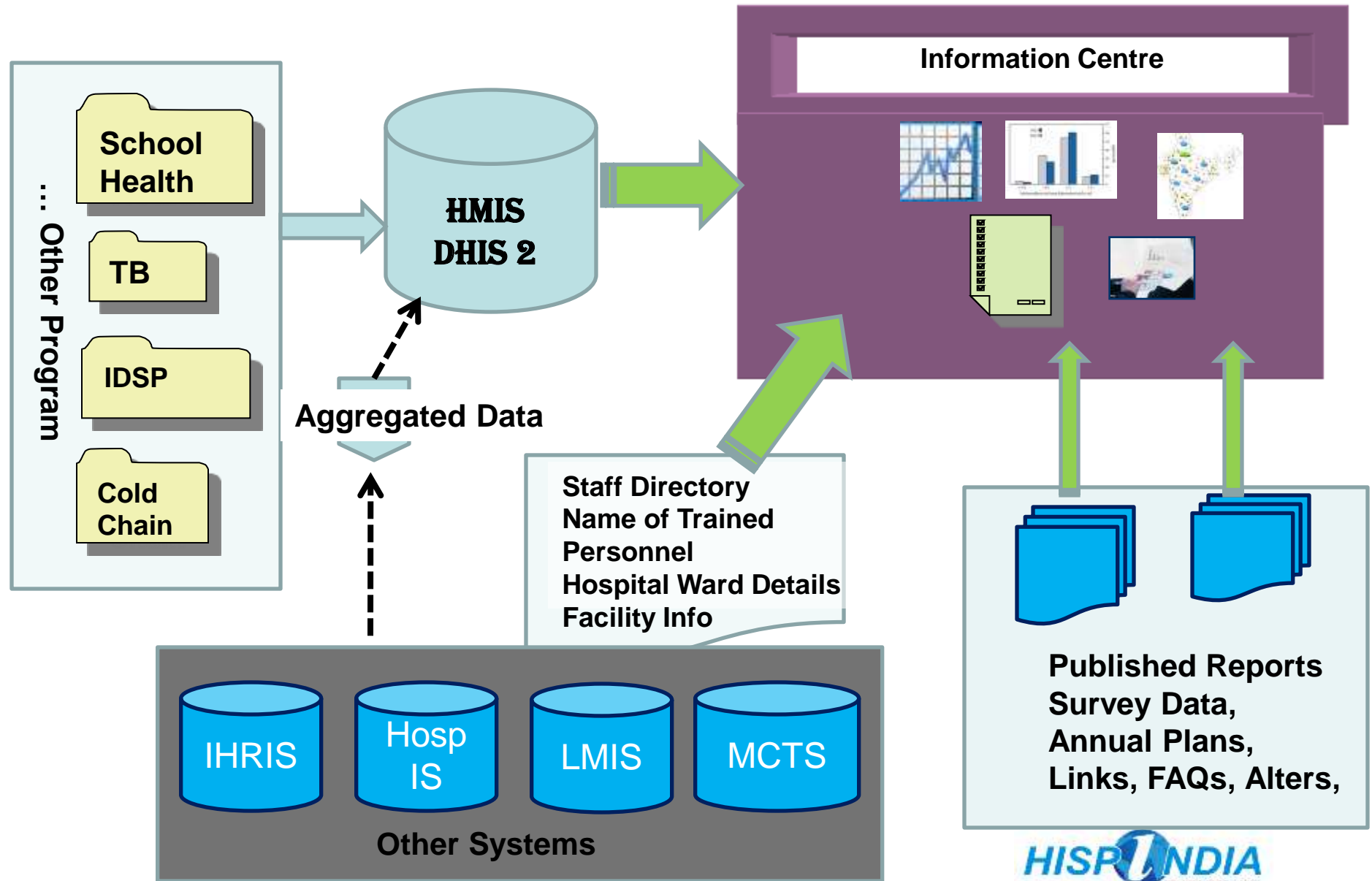
Integrated architecture design

India: Integrated architecture (design) of interoperable systems
→ An integrative “umbrella” across programs, sub-systems & infrastructures (paper, computers, Internet, mobile telephones)

*Replicated at each
Administrative
Level:
National
State/Province
District*



Integrated Information Centre

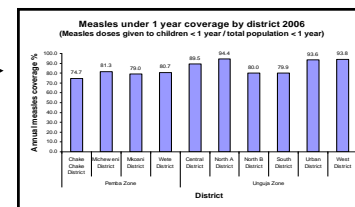




Portal



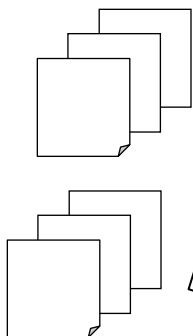
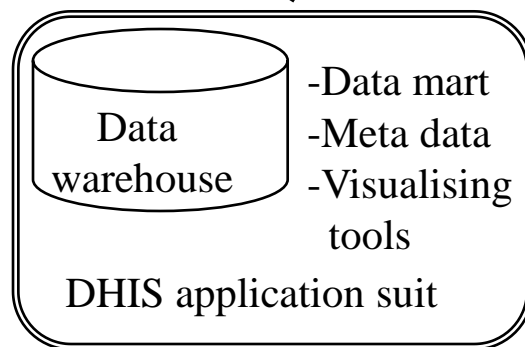
Dashboard



Graphs



Maps



Data capture from paper forms



Data from Mobile devices



Extract Transform Load



Getting data in - Data warehousing

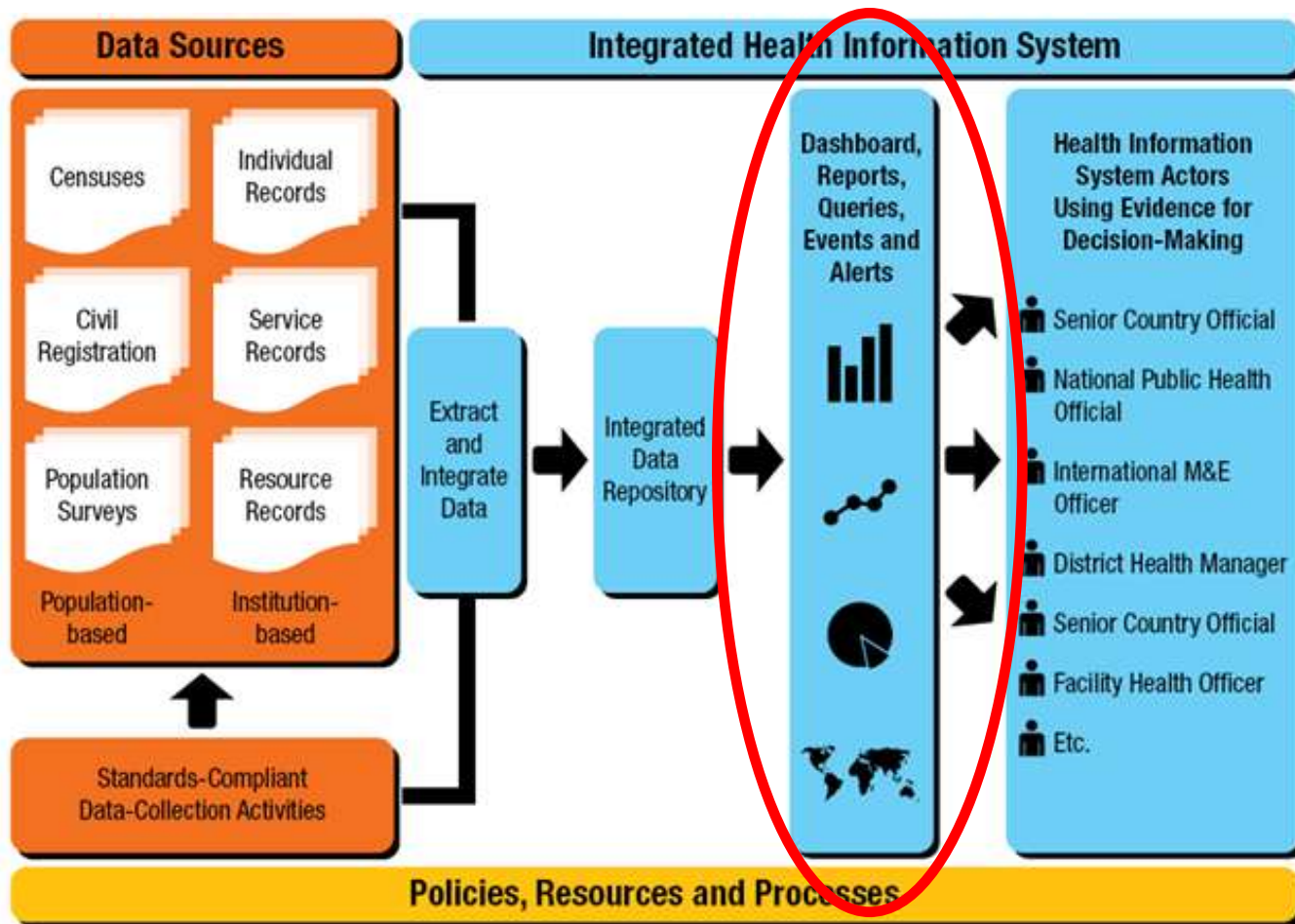
Getting data out - Business Intelligence & Decision support systems

Mobile

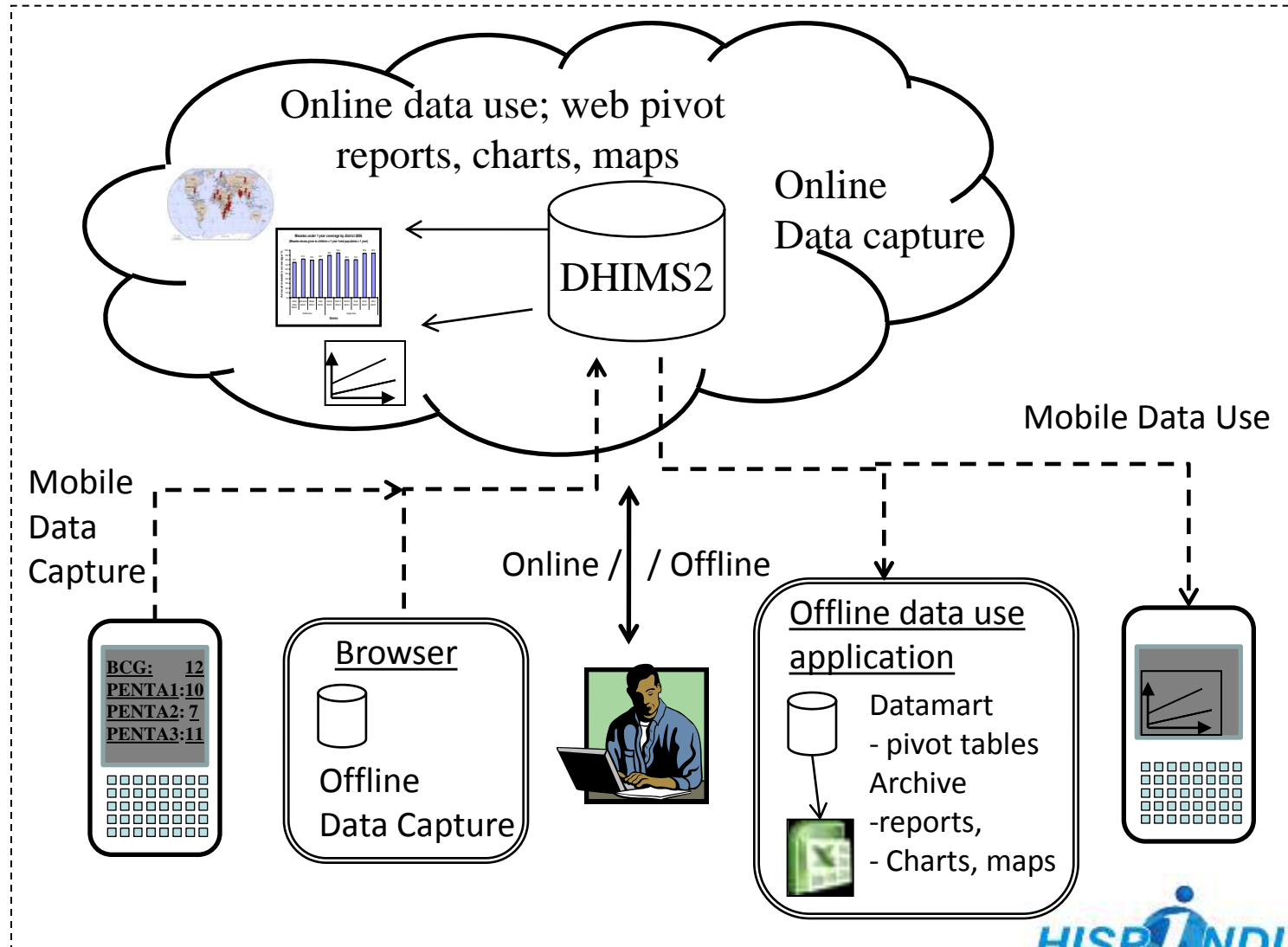


HMN Framework: Overall architecture

- Integration Precondition for effective dissemination
- Cyclic process of use, feedback, participation, improvements need to be part of the conceptualisation and architecture



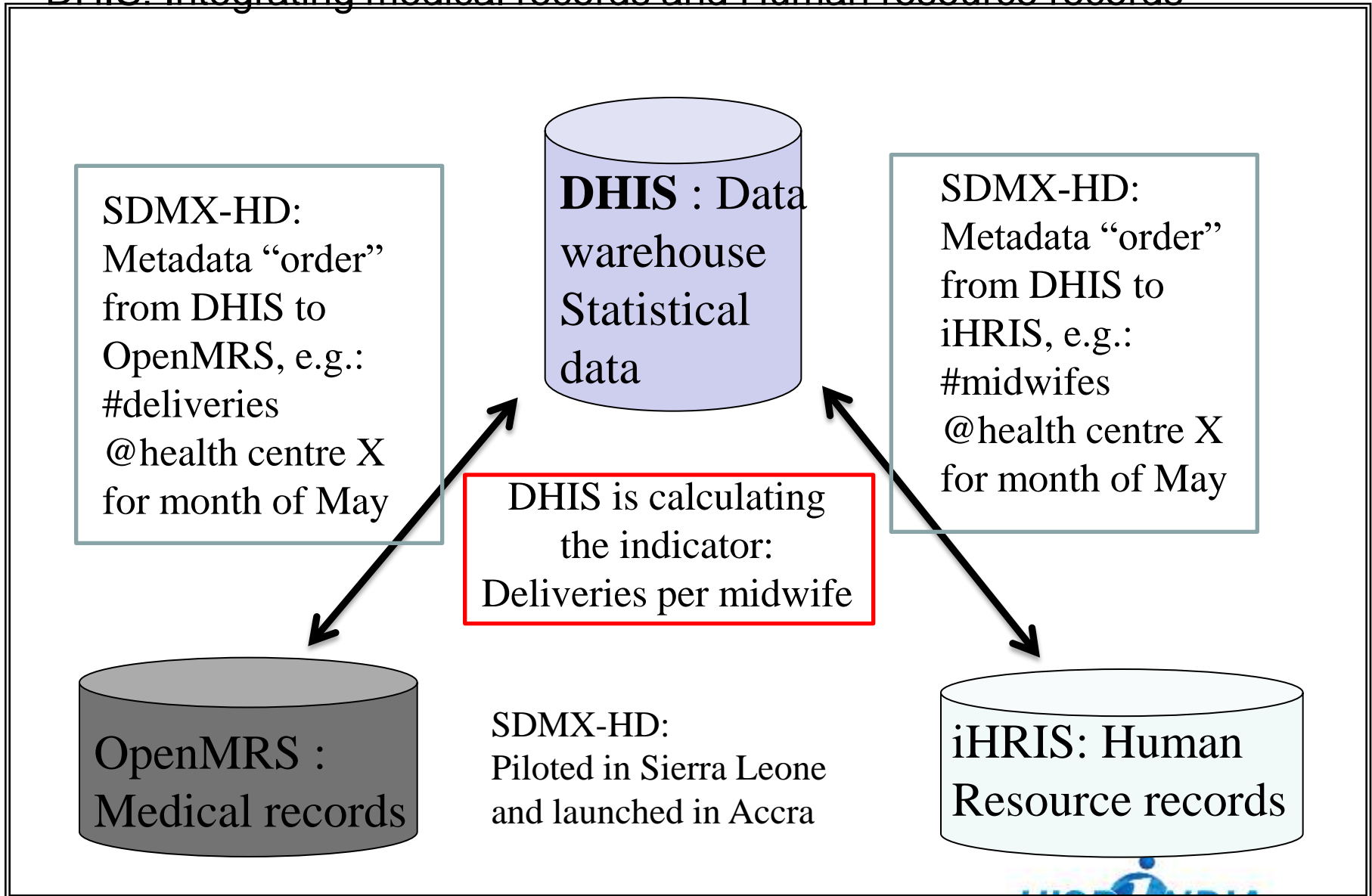
Implementing DHIS2 Using “cloud” infrastructure



SDMX-HD: Statistical Data & Metadata Exchange for the Health Domain

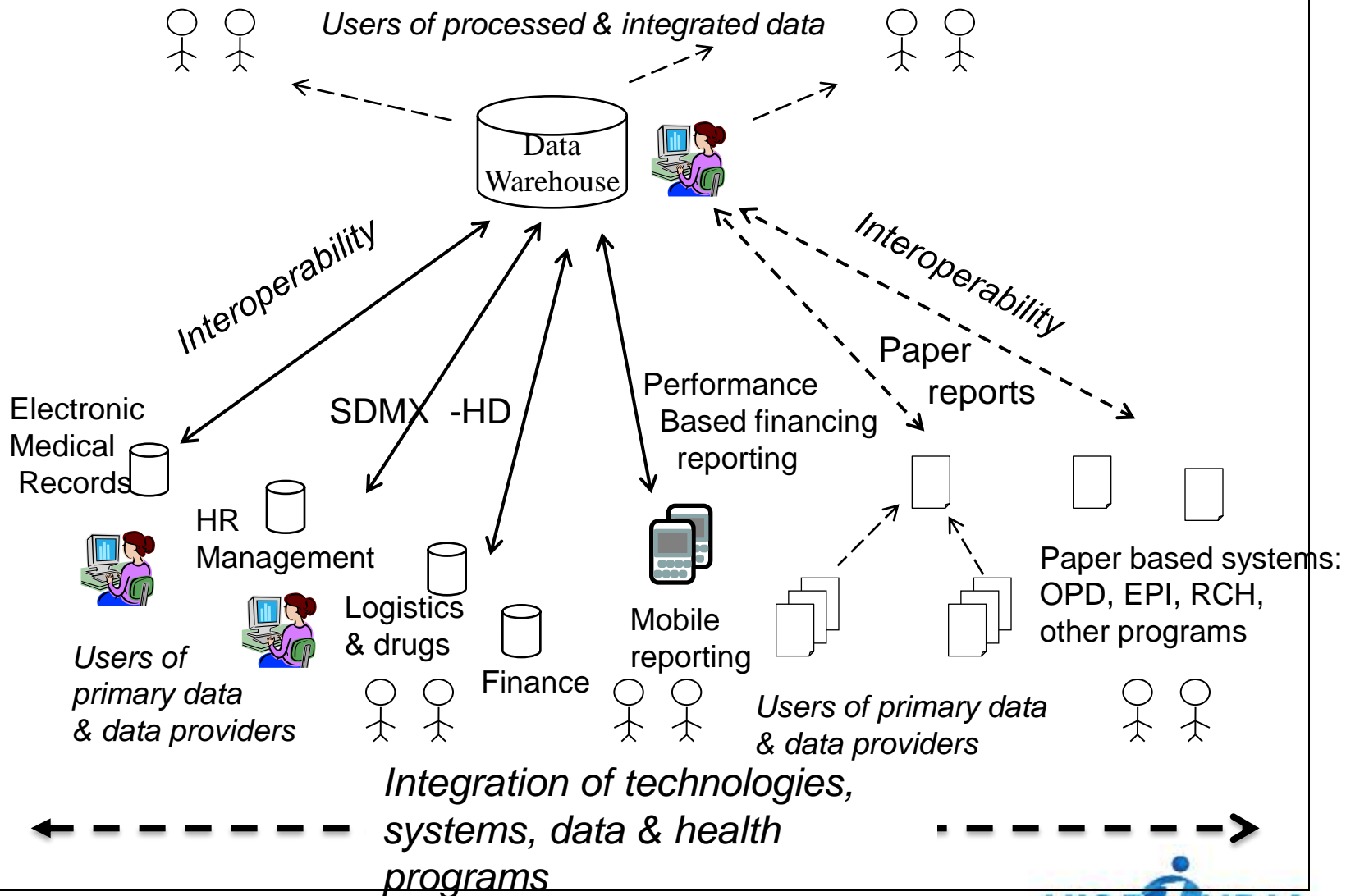
Interoperability and Integration

DHIS: Integrating medical records and Human resource records



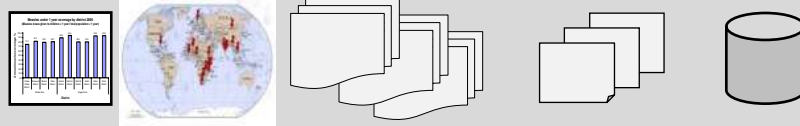
Integrated Health Information Architecture

- integrating sub-systems, technologies, health services & programs



Regional Web Portal ECOWAS

Presentation of Data & Document repository
HIS data, Graphs, Reports, Maps, Documents, FAQs



ECOWAS DHIS Data Warehouse

Interface – Web-API

Predefined Data Views:

- Tables, Graphs,
- Reports Maps

Engine Generating Data Views

Database – Data store

Other Web Sites:

WHO

National /Global
Statistics
World Bank
Discussion
Forum, etc.

Example of Information Centre

Integrated Information Portal

FROM TNHSP DEVELOPED BY HISP INDIA

State Health Data Resource Centre (SHDRC) Web Portal

State Health Data Resource Centre (SHDRC) Government of Tamil Nadu

HOME ABOUT US GIS HEALTH SYSTEMS RESEARCH PROFILE DASHBOARD

Alerts

- Acute Diarrhoeal Disease outbreak in Tiruchirappalli district (Nov 16, 2011) and Villupuram district (Nov 16, 2011)
- Cholera outbreak in Karanthapuram district - Nov 16, 2011
- Dengue outbreak in Kanyakumari district - Nov 14, 2011

Reports

- Directorate of Medical Education (DME)
 - Service Delivery Indicators Report - 2011
- Directorate of Public Health (DPH)
 - Service Delivery Indicators Report - 2011
- Directorate of Medical & Rural Health Services (DMS)
 - Service Delivery Indicators Report - 2011
 - Hospital Services Information 2011

Facts

Coimbatore District Health/Facility Distribution

Population Statistics

Parameters	Number	Rate/Ratio
Total Population	4271000	
Total Male	2176000	
Total Female	2095000	
Urban Population	2600000	
Rural Population	1671000	
Literacy Rate	84.31	
Population Growth Rate	16.86	
MFR	16.8	
MMR	0.82	

Type of Public Health Facilities

Type of Public Health Facilities	Number
District Hospital	0
Sub Hospital (DMS, Sub-Divisional Hospital)	10
Medical College	1
CHCs	9
PHCs	36
Dispensaries	0

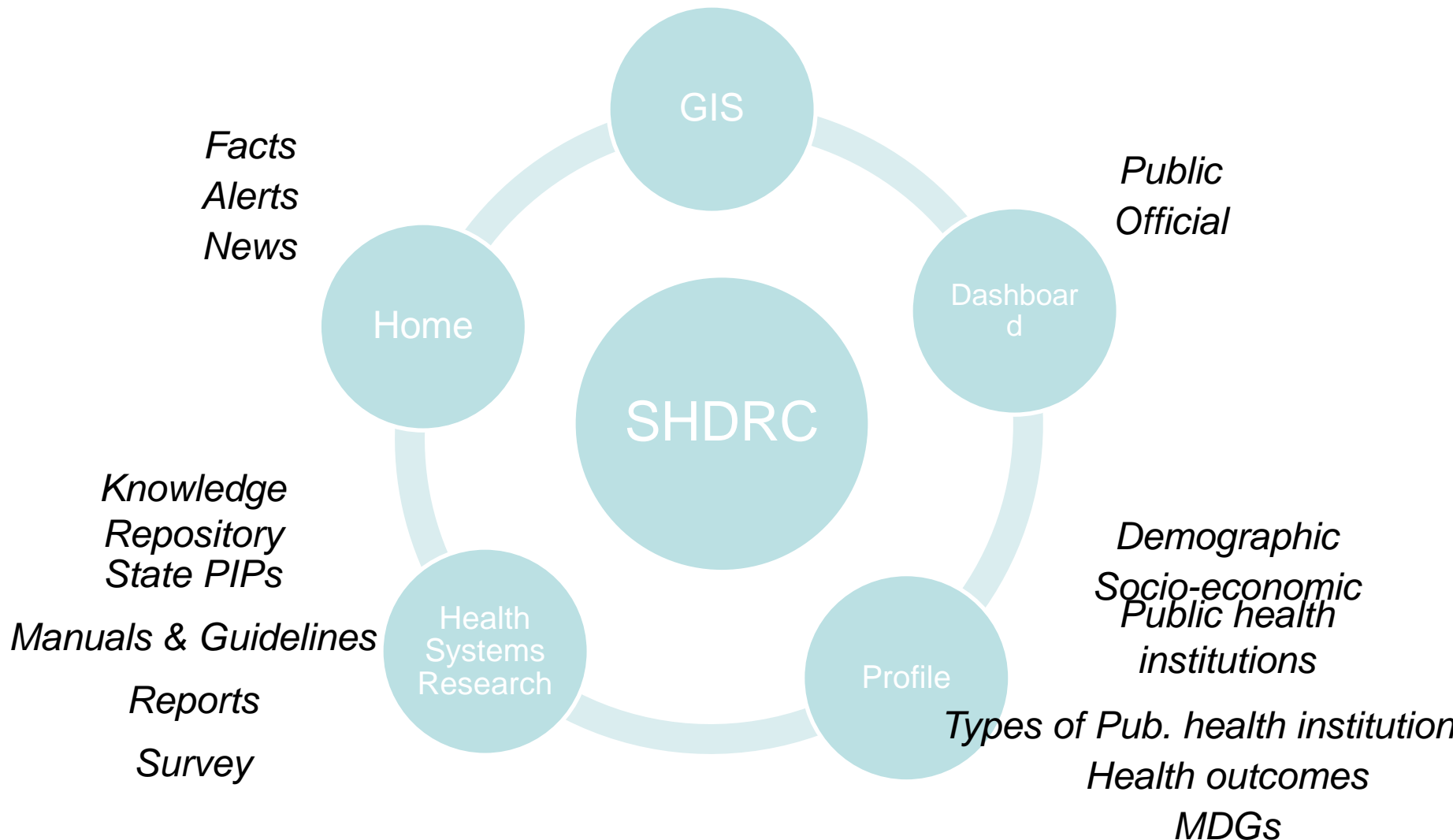
Collaborations

USAID
FROM THE AMERICAN PEOPLE

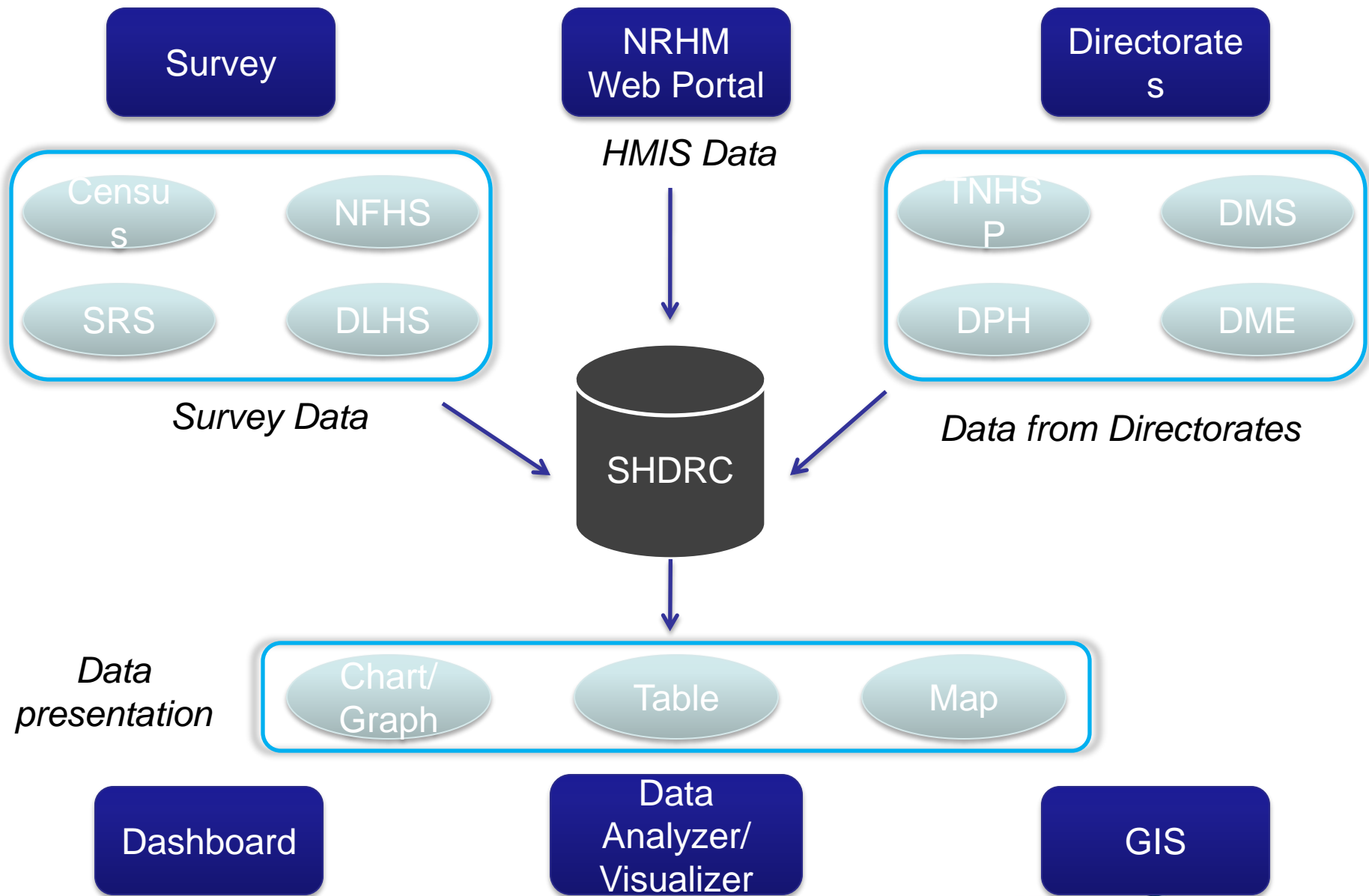
Presentation by HISP India

Overview of SHDRC

Schematic Overview



Data Flows



Features: Home Page

- News

Updates on current health related news in the state

- Alerts

Posting on health alerts

- Facts

Current population statistics and information about public health institutions

Features: Health Systems Research

- Collection of health related resource materials
 - Knowledge Repository
Serves as a library for health related research materials and articles
 - State PIPs
Provides information on health related plans and budget
 - Manuals & Guidelines
Handbooks from the State Health Departments
 - Reports
Health reports from different health departments
 - Surveys
Census, SRS, DLHS, NFHS

Features- Dashboard (Public access)

- An overview of health scenario: past achievements, health status, future health goals. Presented in charts, graphs and maps
 - **Health goals** (*List of health goals to be achieved by 2012 by the state*)
 - **Current Health Scenario** (*Key health statistics based on recent information*)
 - **State Profile** (*Key demographic statistics based on recent information*)
 - **Health Schemes** (*Health related schemes with description*)
 - **Display boards** (*Projects health scenario of the state/district*)

Features: Profiles

- Health information for districts & state
 - Demographic Information (*Population table, literacy rate, sex-ratio*)
 - Socio-economic Information (*Household characteristics and other socio-economic details*)
 - Public Health Institutions (*Location and availability*)
 - Types of Public Health Institutions (*Lists*)
 - Service Delivery Information (*Service delivery and its coverage*)
 - MDGs –State Level Status
 - Health Outcomes (*Health outcomes: morbidity, mortality etc*)

Key Features of SHDRC Web Portal

Modules

News, Alerts & Facts

Homepage: Facts, News and Alerts.

News section: News headlines, when clicked, redirects user to the news-page where the complete article can be accessed.

Alerts section is displayed with the main text (for example, Cholera outbreak in Kancheepuram Nov 14, 2011). On clicking, a pop-up window will appear to show a complete description about the alert.

Useful links: On clicking, users will be redirected to the corresponding web pages.

Troubleshooting: Users can contact the administrator for support and feedback by entering their message and on clicking submit, a confirmation message will be received.

Helpline: A helpline number is provided for support and assistance on SHDRC.

Dashboard

Dashboard (Public)

To analyze health scenarios in the form of charts, graphs, and maps. Using this, scenarios can be constructed by analyzing achievements with respect to health goals.

The theme of this prototype dashboard is to look at the future health goals, current health scenario, health schemes and to show the past achievements on health goals.

The dashboard contains ten display boards corresponding to service delivery components such as maternal and child health, and family planning services.

There are separate sections in the dashboard for health programmes, in which the maps, graphs or charts can display programme specific information.

Outputs can be generated and downloaded.

The administrator has the access to upload or edit the dashboard contents.

Health Directorates in SHDRC

Currently 4 health directorates are included- by importing their indicators and data, and providing the facility for dynamic updates. State and district indicators can be listed and displayed using the GIS module.

17 Directorates are to be included in future

The screenshot displays the SHDRC website's navigation menu and content area. The navigation menu includes: HOME, ABOUT US, GIS, HEALTH SYSTEMS RESEARCH, PROFILE, DASHBOARD, and LOGOUT. The main content area features a red header with the text "Maternal Deaths April-2011 To October-2011 for TN | Neonatal Deaths April-2011 To October-2011 for TN". Below this, a sidebar on the left contains menu items: DPH, DME, DMS, TNHSP, DASHBOARD, ADVANCED GIS, and REPORTS. The main content area shows the "GIS" section, which includes a definition of Geographical Information Systems (GIS) and its applications, followed by a list of main objectives and a list of generic questions a GIS can answer.

Menu Item	Content
HOME	
ABOUT US	
GIS	Maternal Deaths April-2011 To October-2011 for TN Neonatal Deaths April-2011 To October-2011 for TN
HEALTH SYSTEMS RESEARCH	
PROFILE	
DASHBOARD	
LOGOUT	
DPH	GIS
DME	Geographical Information Systems A Geographical Information System (GIS) is a system of hardware, software and procedures to facilitate the management, manipulation, analysis, modeling, representation and display of geo-referenced data to solve complex problems regarding planning and management of resources. Functions of GIS include data entry, data display, data management, information retrieval and analysis. The applications of GIS include mapping locations, quantities and densities, finding distances and mapping and monitoring change.
DMS	
TNHSP	The main objectives of the GIS are:
DASHBOARD	To maximize the efficiency of decision making and planning, provide efficient means for data distribution and handling, eradication of the duplicated data, integration of information from many sources, analysis of queries involving geographical reference data for generation of new information, update data quickly and at the minimum cost.
ADVANCED GIS	A GIS can answer five generic questions for any application. They are:
REPORTS	Location:

Dashboard (Official)

Officials have individualized dashboards through which the user will be directed to the DHIS2 page. This dashboard is dynamic and configurable.

To access the dashboard, the user has to login into the GIS module, which can also be customized to specific user requirements.

The dashboard displays charts in 4 or 6 or 8 display boards. There are three other display boards on the left side which can show the links to reports, report tables, resources, map views and RSS health news and the user can able to modify and update when necessary.

Thus the dashboard provides the quick access and quick view to important information in the form of maps, charts, reports etc.

Geographical Information Systems (GIS)

In this integrated GIS module you can easily display data on maps, both on polygons (areas) and as points (health facilities), and either as data elements or indicators.

Base Layers (background map): Three base layers are available

Overall there are three important things need to be done for GIS mapping:

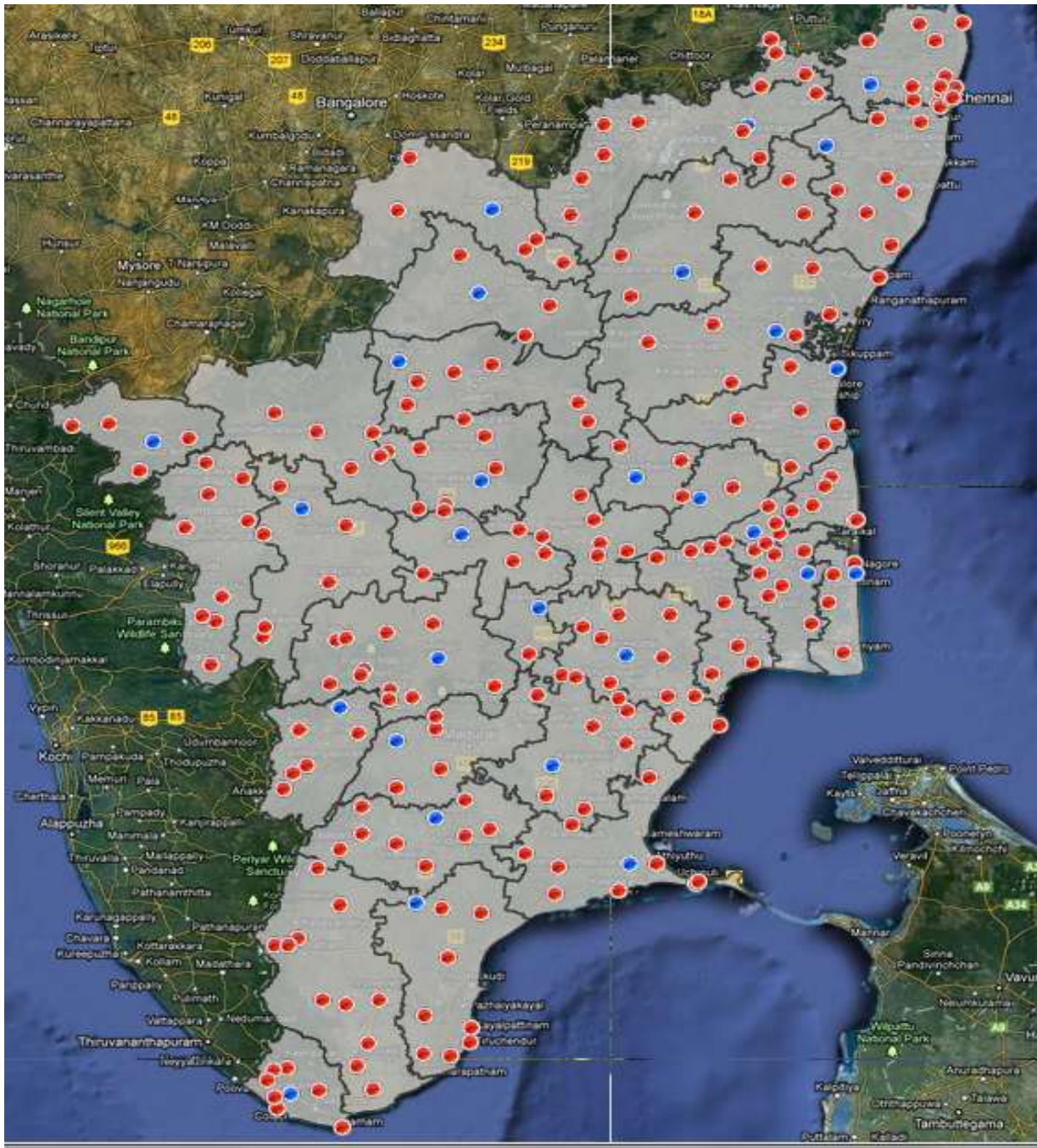
1. Layers – Indicators/Data Elements, period type, period, boundary, level of organization unit, legend options, labels
2. Legends – Define legend, legend sets, assign Indicator/Data Element for legend sets
3. Data – values for indicator/data element

Thematic Layers: Use data for thematic mapping.

Facility Layer: This layer displays icons that represent facilities
facility type.

Health Institution Location by Directorates

DMS Institutions

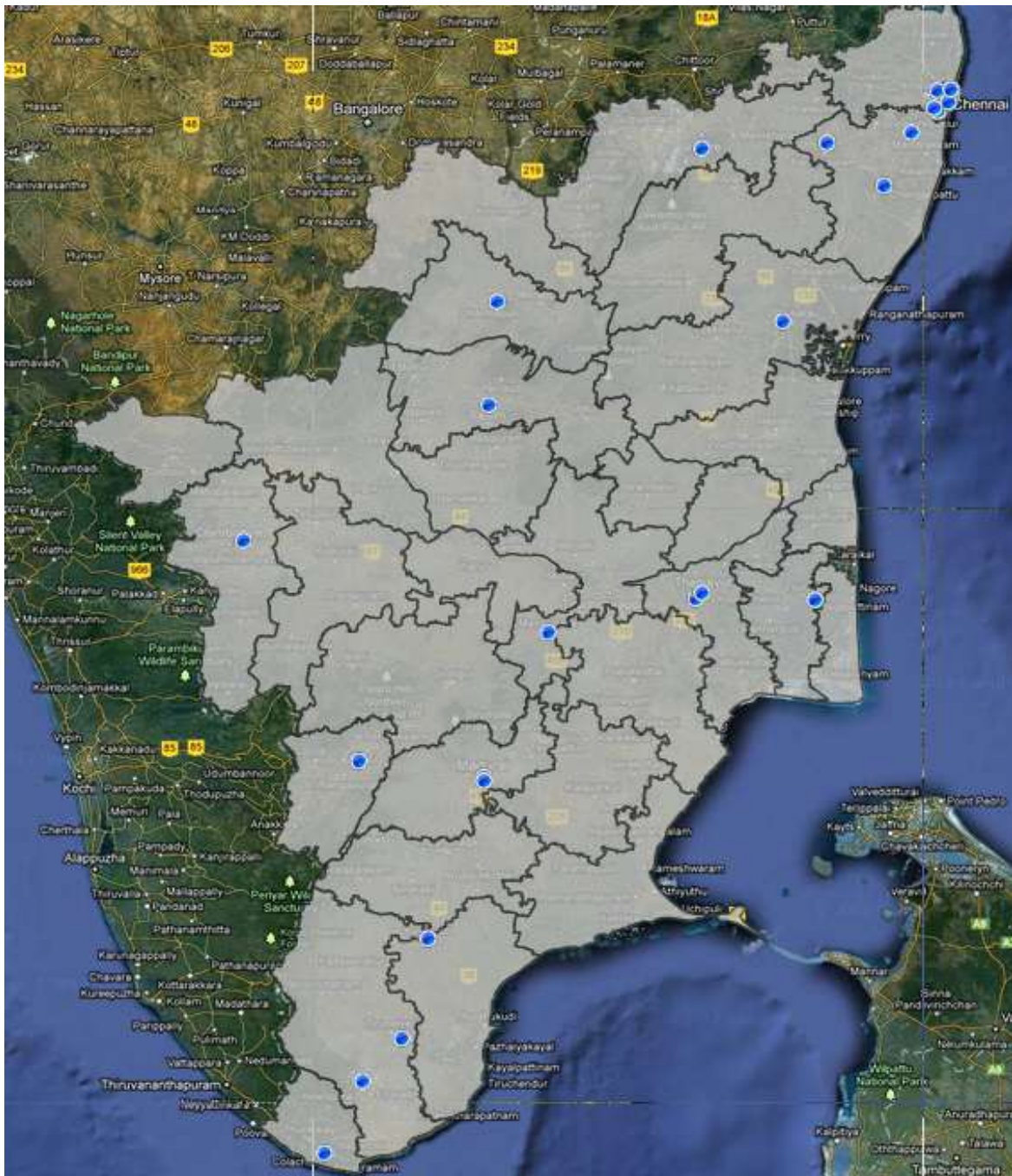


Facilities / Tamil Nadu State



District Hospital

Sub District Hospitals



DMS Institutions

Implementation approach

- Phase I: Requirements analysis (typically a week on site – 2 persons)
- Phase II: Customization – creation of prototype/discussions/revisions (typically 2 weeks – 2 persons)
- Phase III: Developing system/importing legacy data/testing/field deployment (typically 3-4 weeks – 2-3 persons)
- Phase III: Scaling and implementation support (will depend on scale. Typically could carry out training for master trainers in a week)
- HISP India can provide services for one or all of these phases

Responsibilities of the State/Country

- Provision of infrastructure: Server, computers, printers, back up power and others
- Access all information for customization, including legacy system
- Establish long term vision, responsibilities, change management practices
- Be engaged with team for the whole process – learning by doing as strategy for sustainability

THANK YOU