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DHIS2

Congratulations, you dared to join!

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HELLO!

I am Antoine Legrand

Chief Project Officer, BlueSquare

You can find me at @avlegrand

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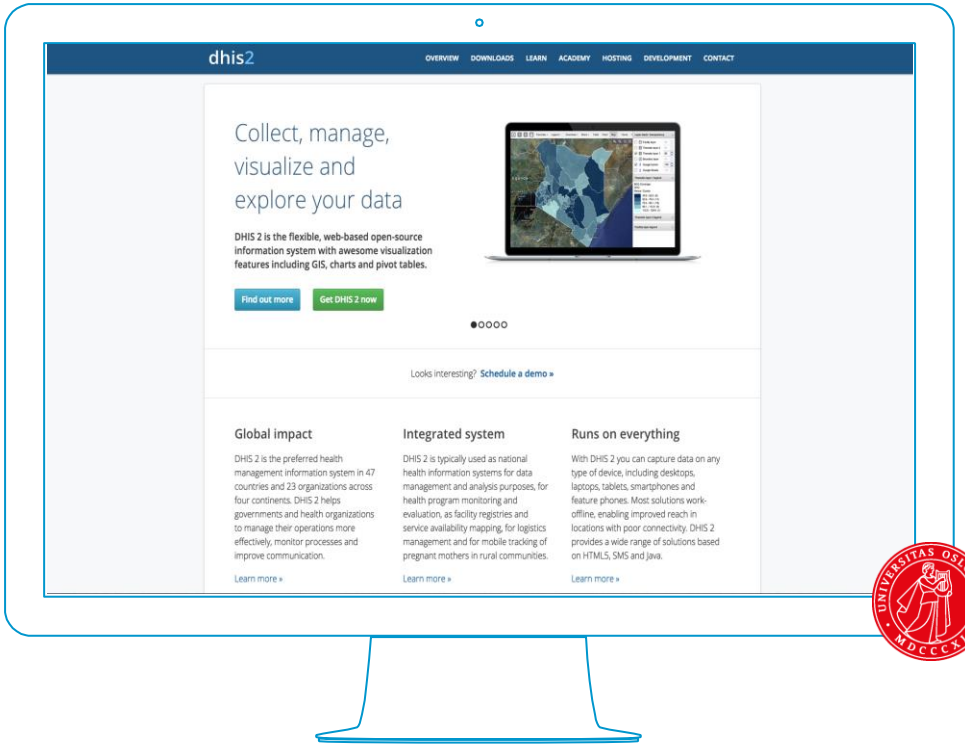
WEB-BASED HMIS SYSTEMS



UiO : University of Oslo

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OUTLINE

- Key concepts & features
- Exercises
- Case studies
- Integrated data systems

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1

KEY CONCEPTS & FEATURES

What it’s all about

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- **COLLECT** multiple type of data
- **MANAGE** & aggregate your data
- **VISUALIZE** your results & track your progress

OVERVIEW

- Aggregated data
  - Routine data
  - Survey
- Events
  - Tracker
  - Individual records
  - Cases
  - Programs

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AGGREGATED SYSTEM OVERVIEW

- Data entry
  - Browser web/laptop
  - Smartphone
  - Feature phone – Web/J2ME/SMS
- Validation
  - Validations rules
  - Std dev and min/max analysis

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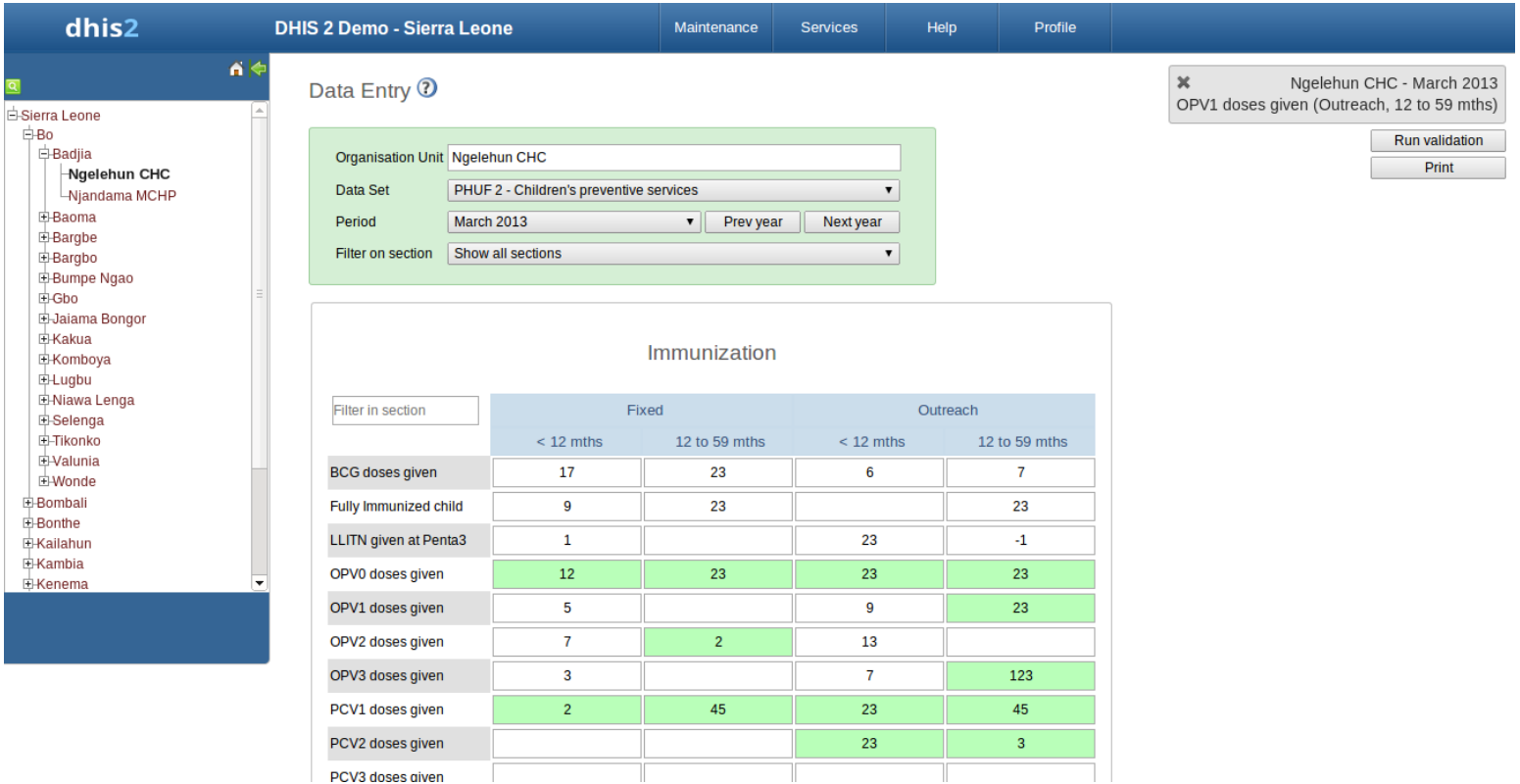
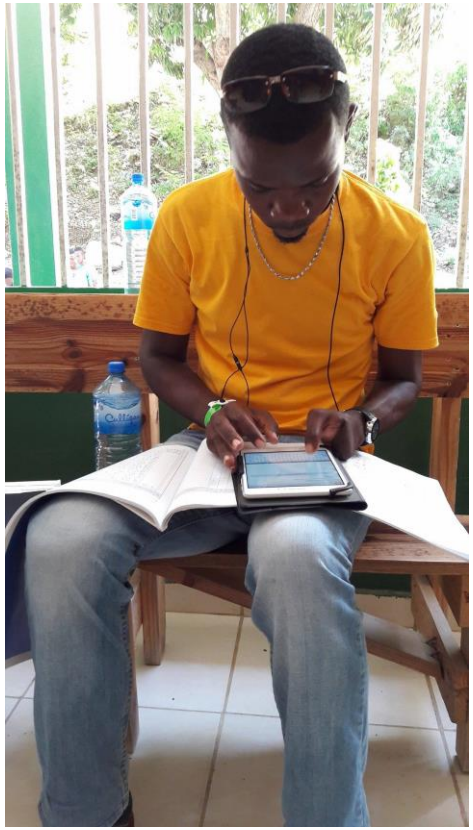
AGGREGATED DATA



MOBILE



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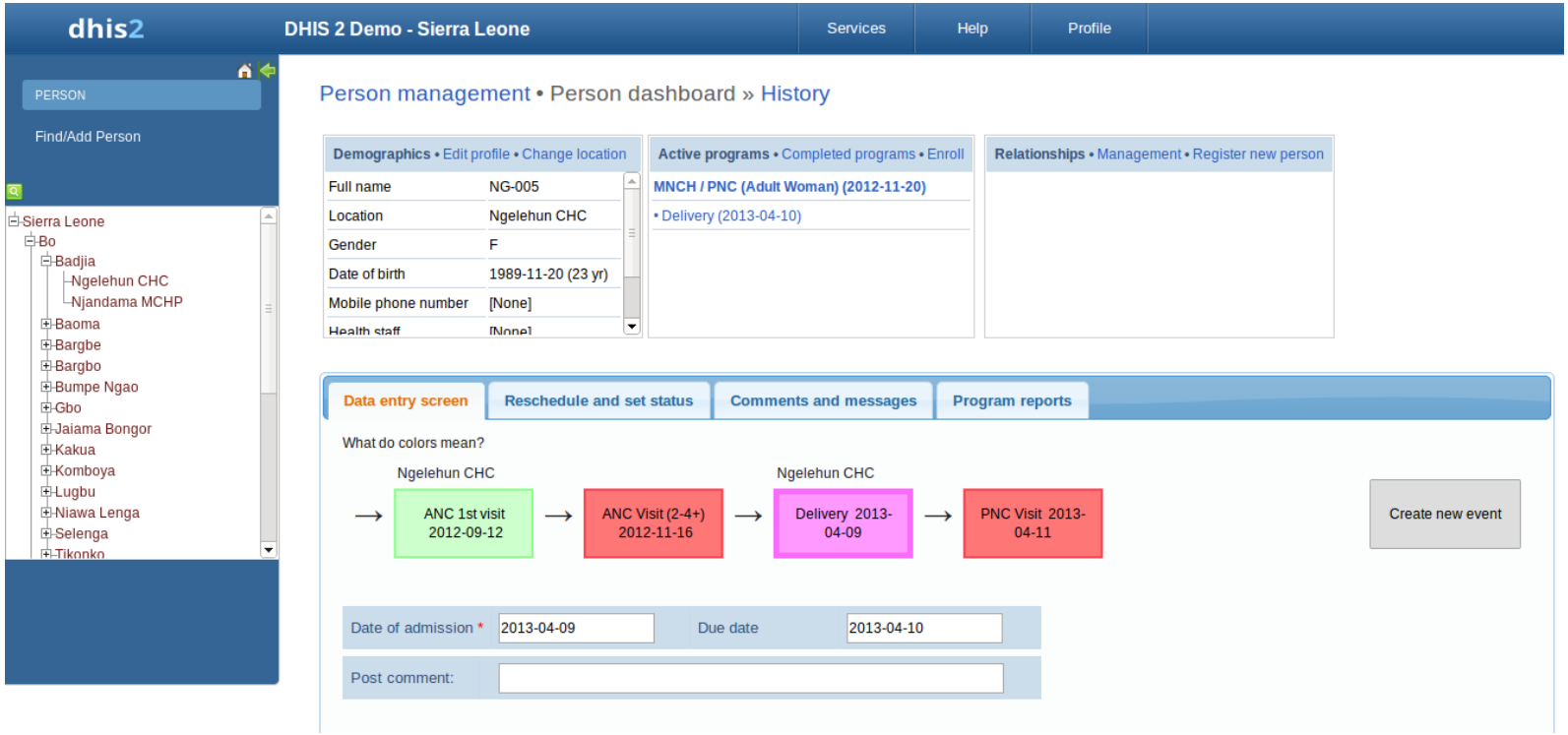
INDIVIDUAL RECORDS



DATA ELEMENTS & DATA SETS

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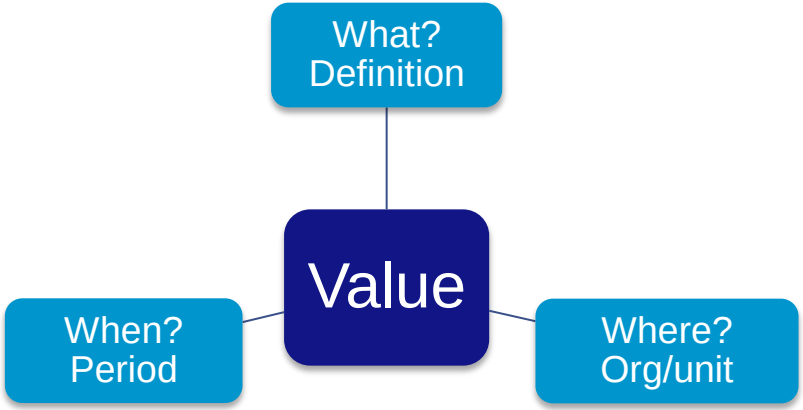
Number of pregnant women PVVIH under CTX prophylaxis, December 2015, CS of XXX



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AGGREGATED SYSTEM OVERVIEW

- Data analysis
  - Pivot tables
  - Charts
  - GIS
  - Dashboard
  - Interpretations
- Apps and web API

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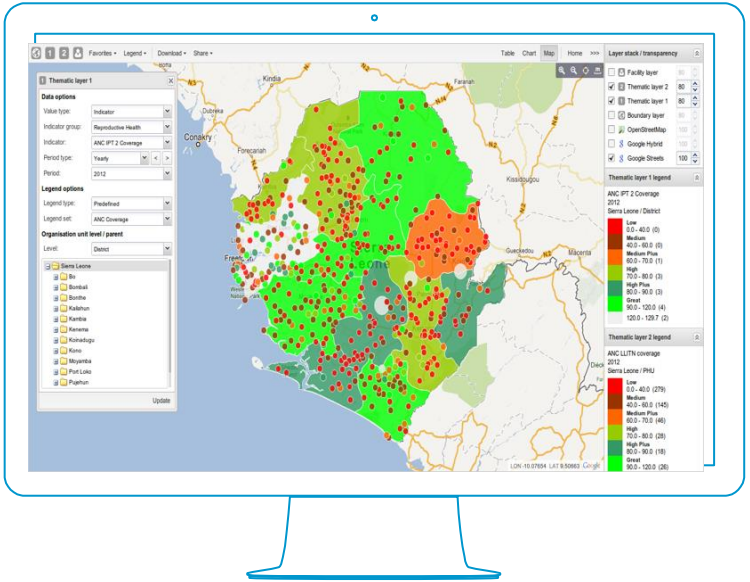
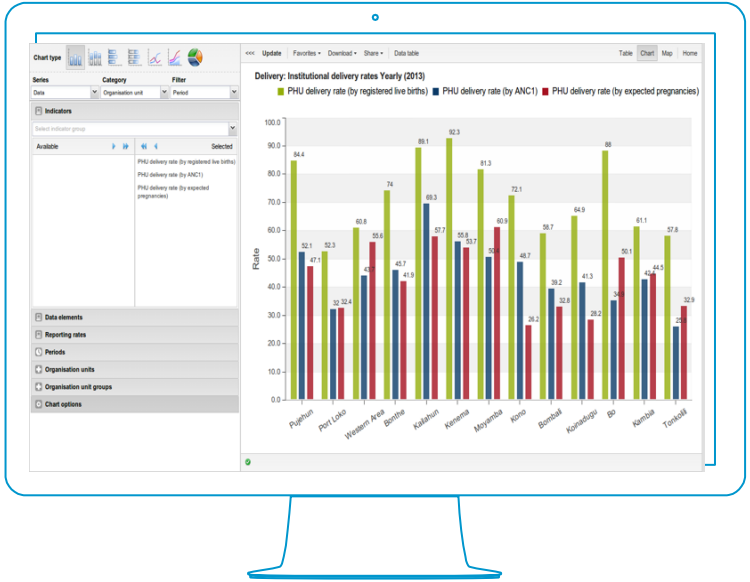
VISUALIZE DATA





2

EXERCISES

Now it’s your turn

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INSTRUCTIONS

Go to: **www.cordaidsis.org**

Username: Guest

Password: District2016

EXERCISE

- From data set “STS”, create a table showing different ART lines, by months (Jan-Sept 2016), country-level
- Save your table: *Yourname_ARTlines*
- Open this table as a chart, then breakdown DPS and Q2 T2016

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CASE STUDIES

What we've learned from previous experiences

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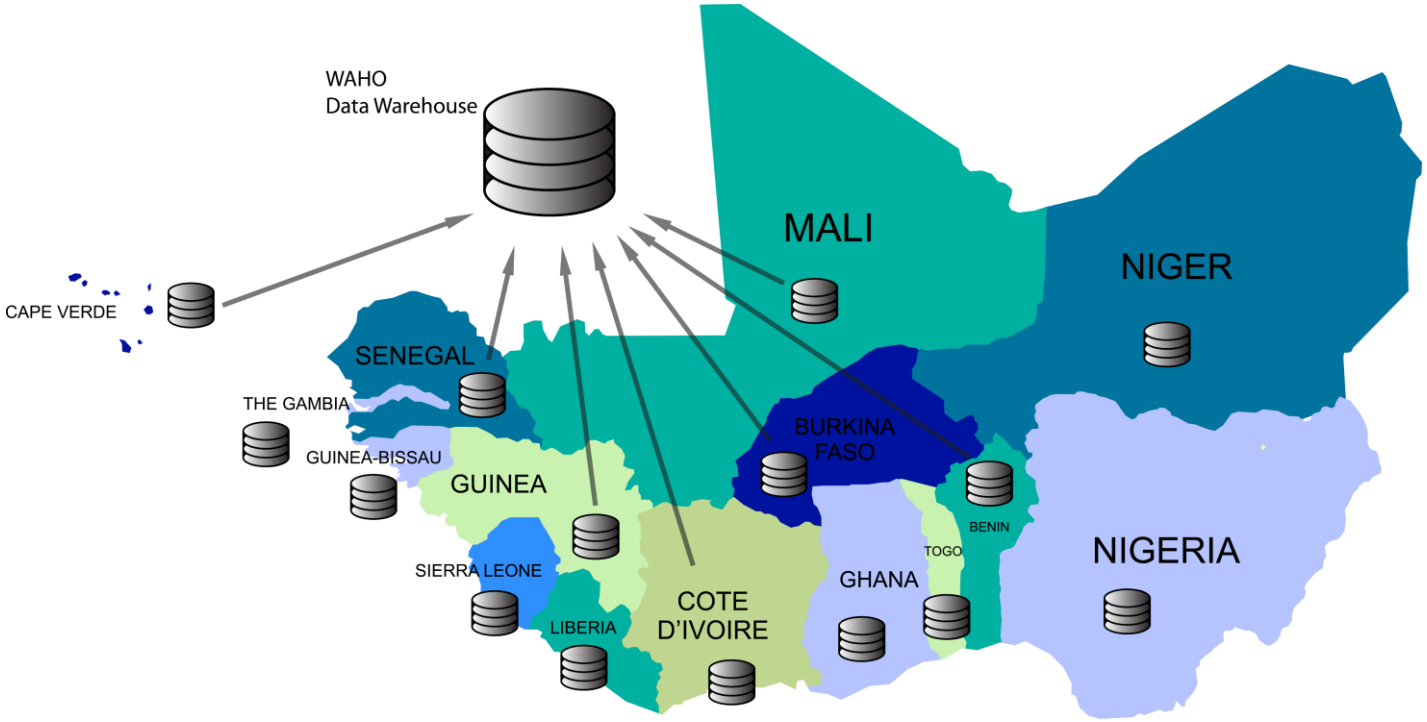
REGIONAL DATA WAREHOUSE



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4

INTEGRATED DATA SYSTEMS

Using the power of DHIS2

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THE PROBLEMS

- Fragmented, uncoordinated data systems
- Duplicated investments
- Lack of transparency and accountability

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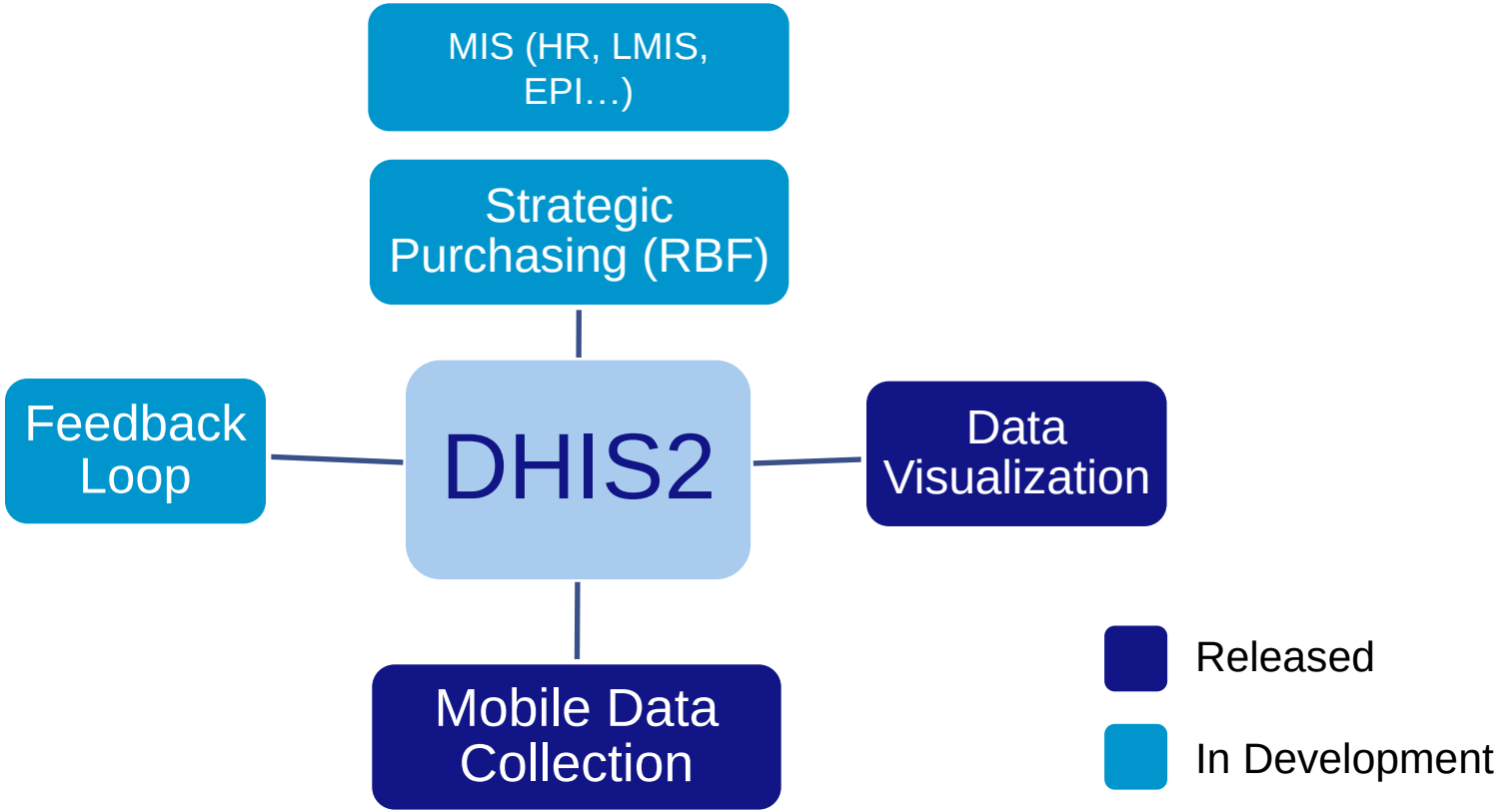
A SIMPLE ARCHITECTURE



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INTEROPERABILITY

Making relevant information available

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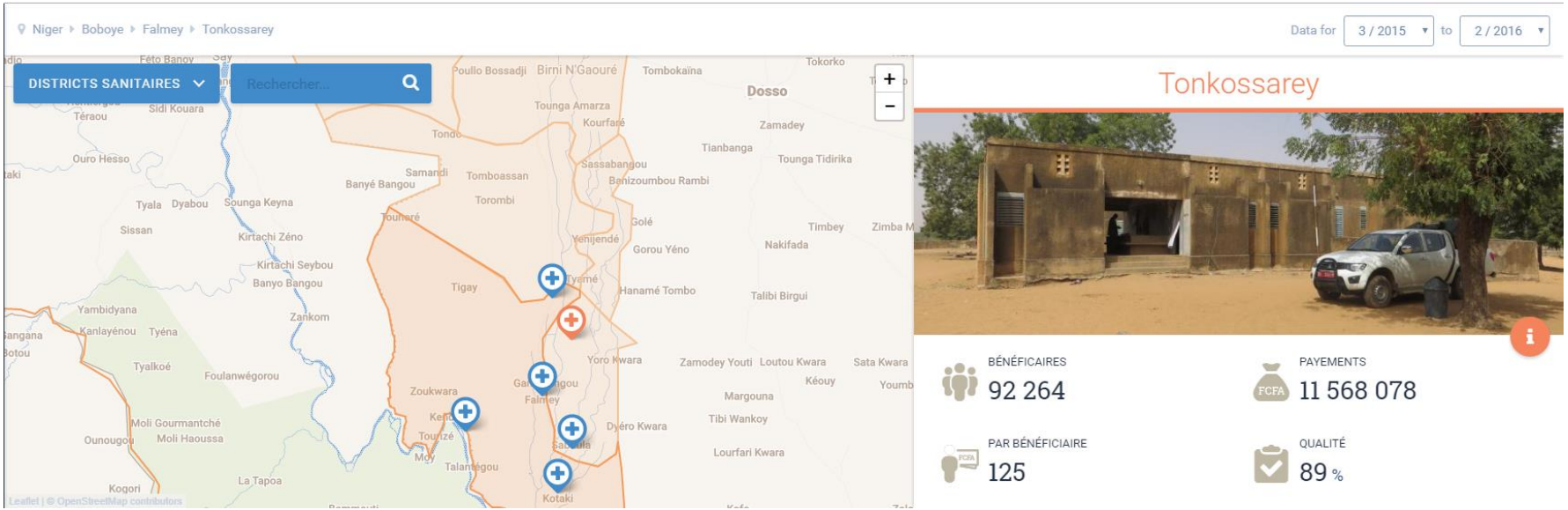
MASTER FACILITY LIST



kmhfl.health.go.k

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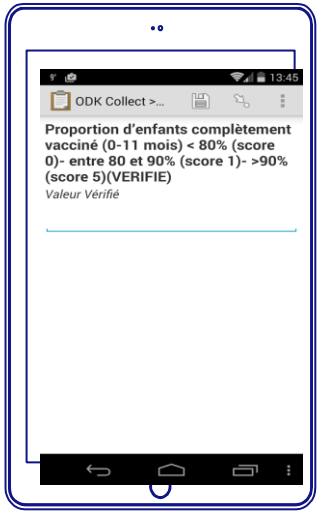
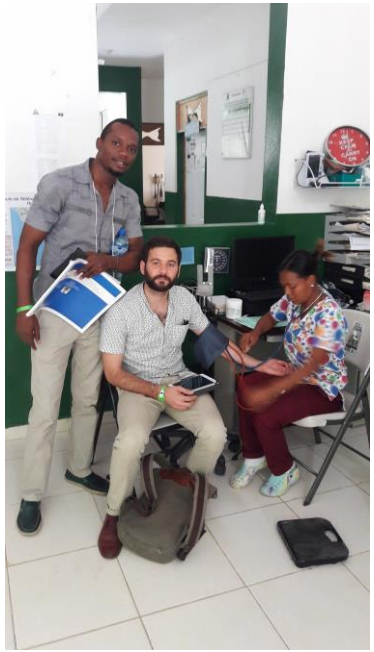
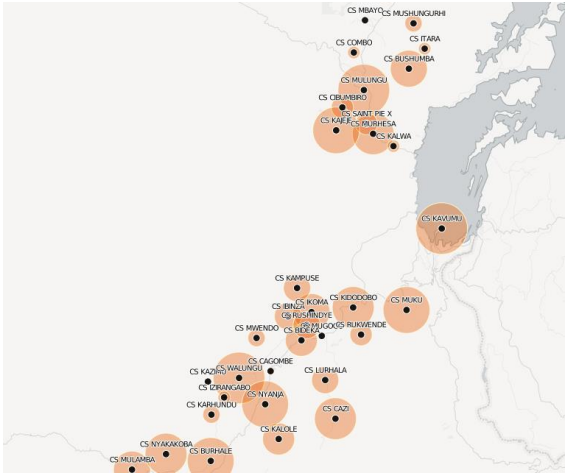
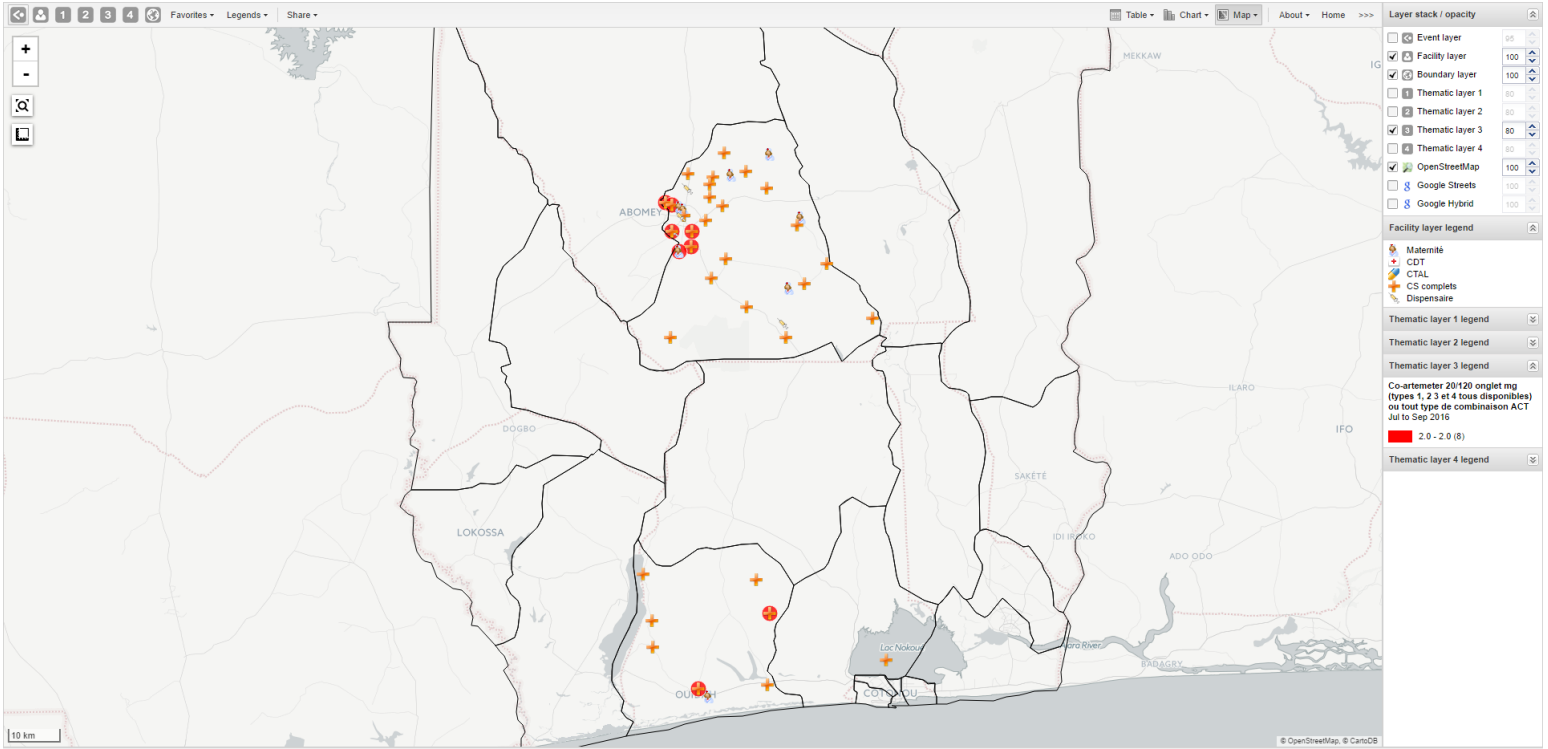
MOBILE DATA COLLECTION

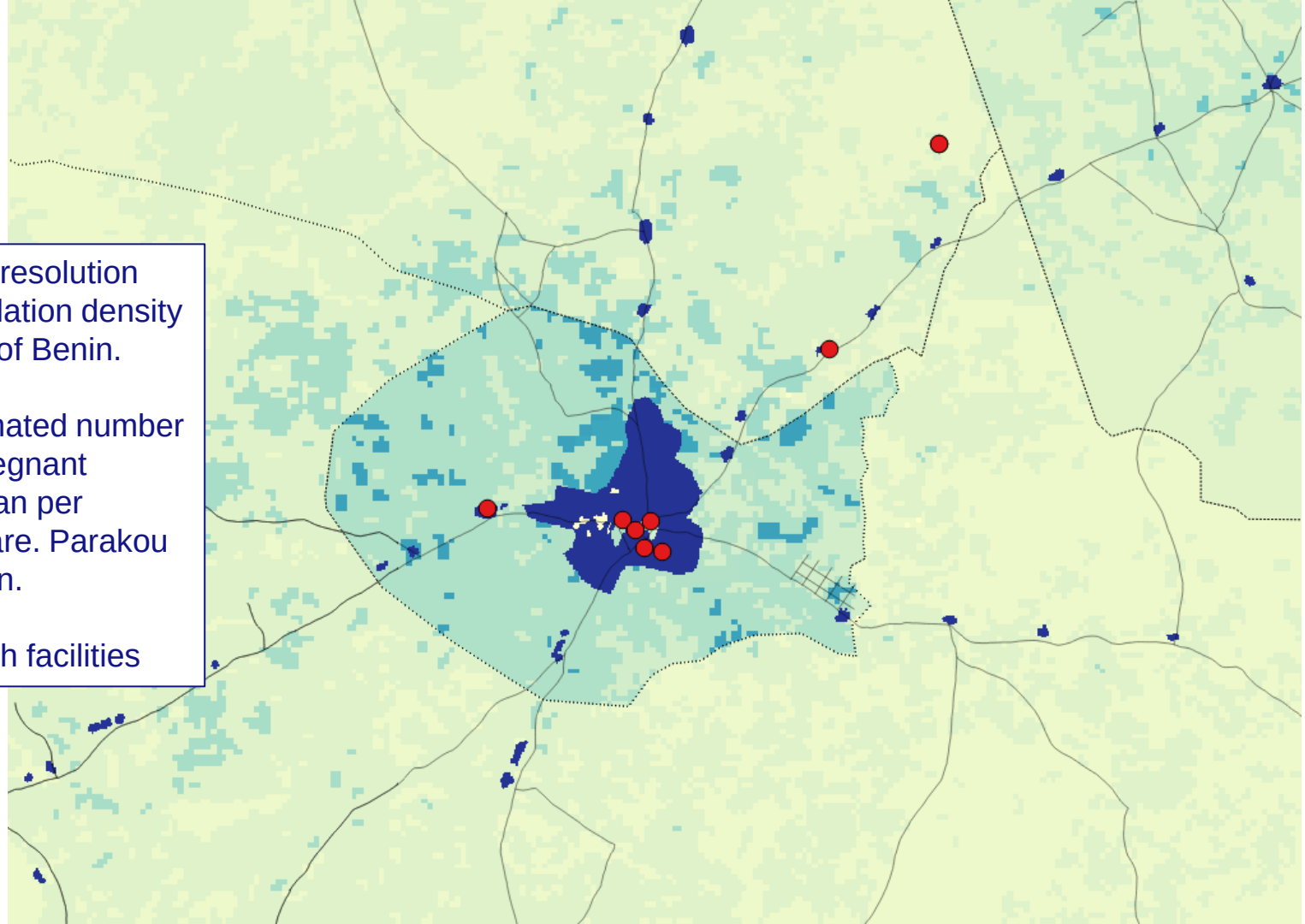






TRACKING SERVICE
AVAILABILITY & READINESS





High resolution population density map of Benin.

Estimated number of pregnant woman per hectare. Parakou region.

Health facilities

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TRANSPARENCY

Showcasing the results of your intervention

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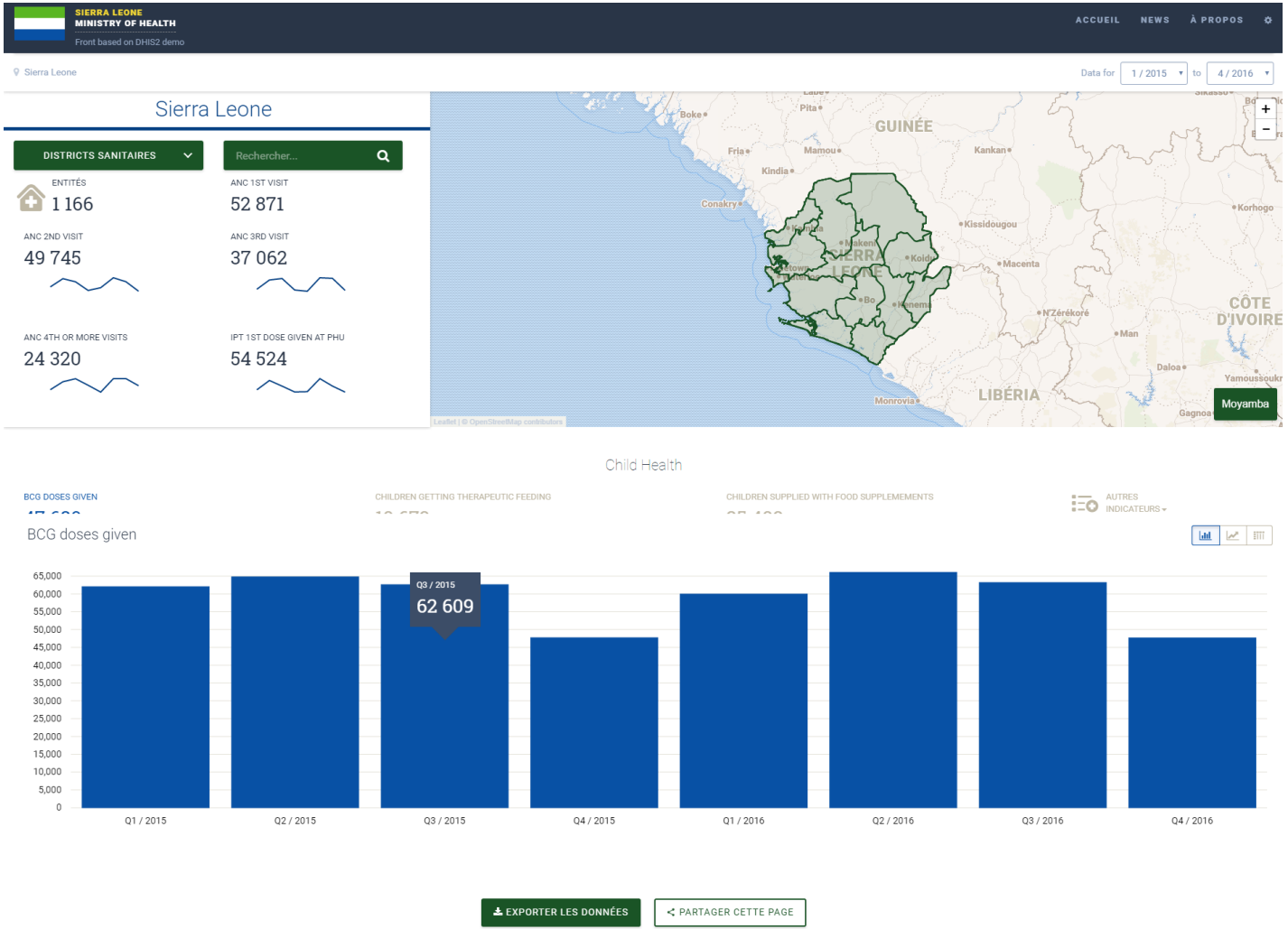
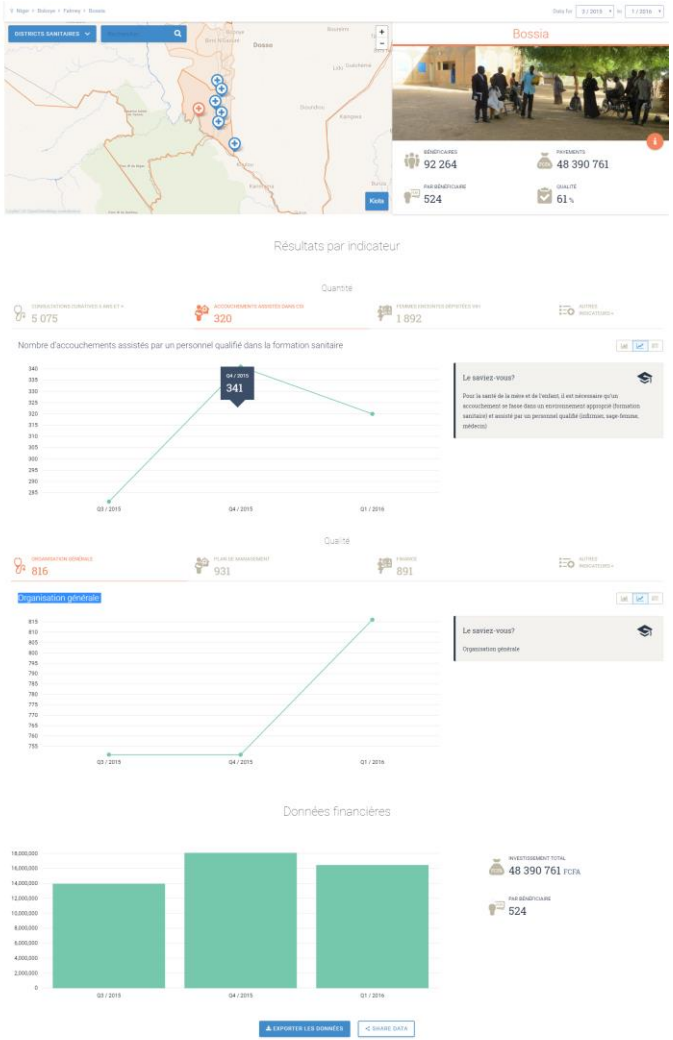
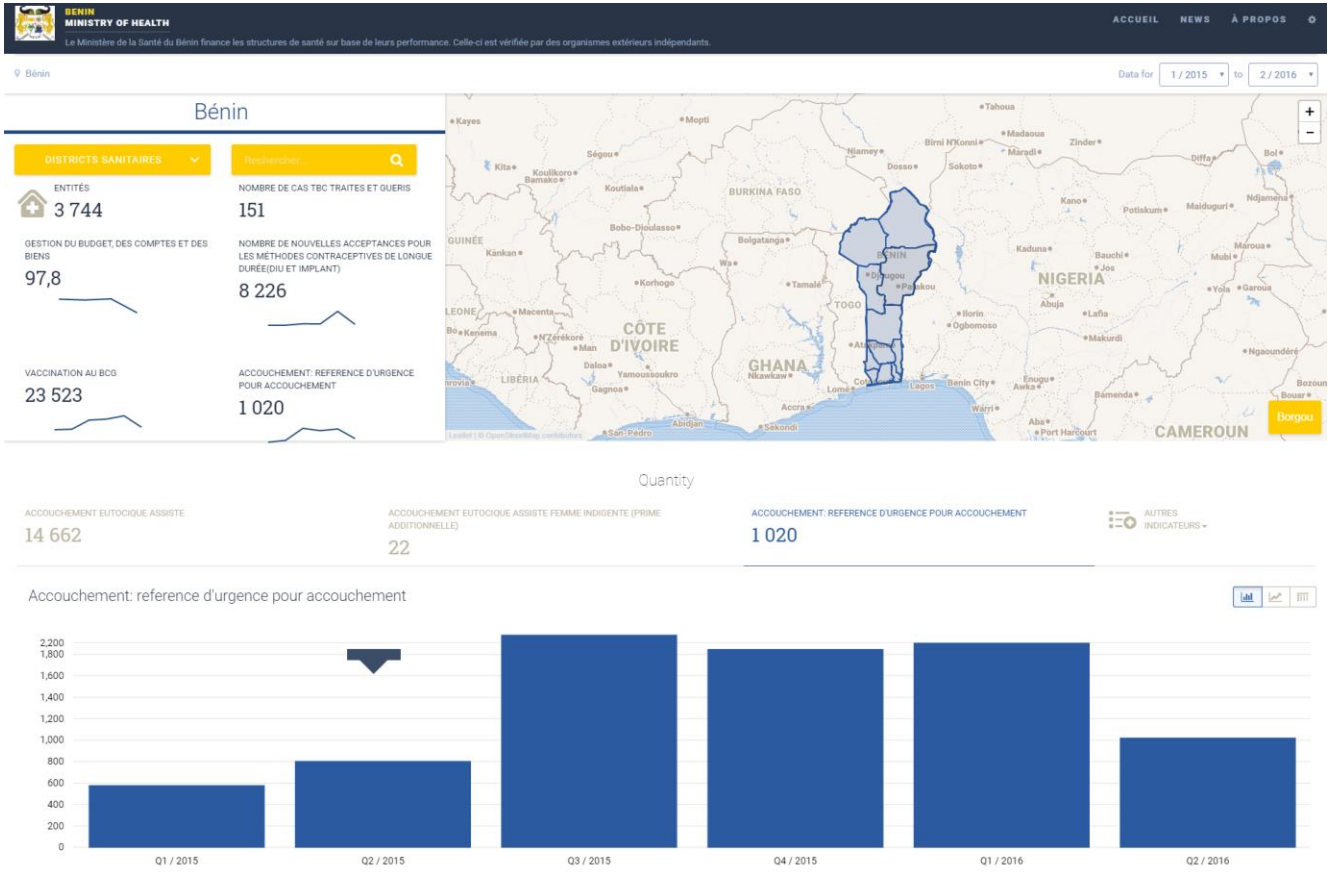
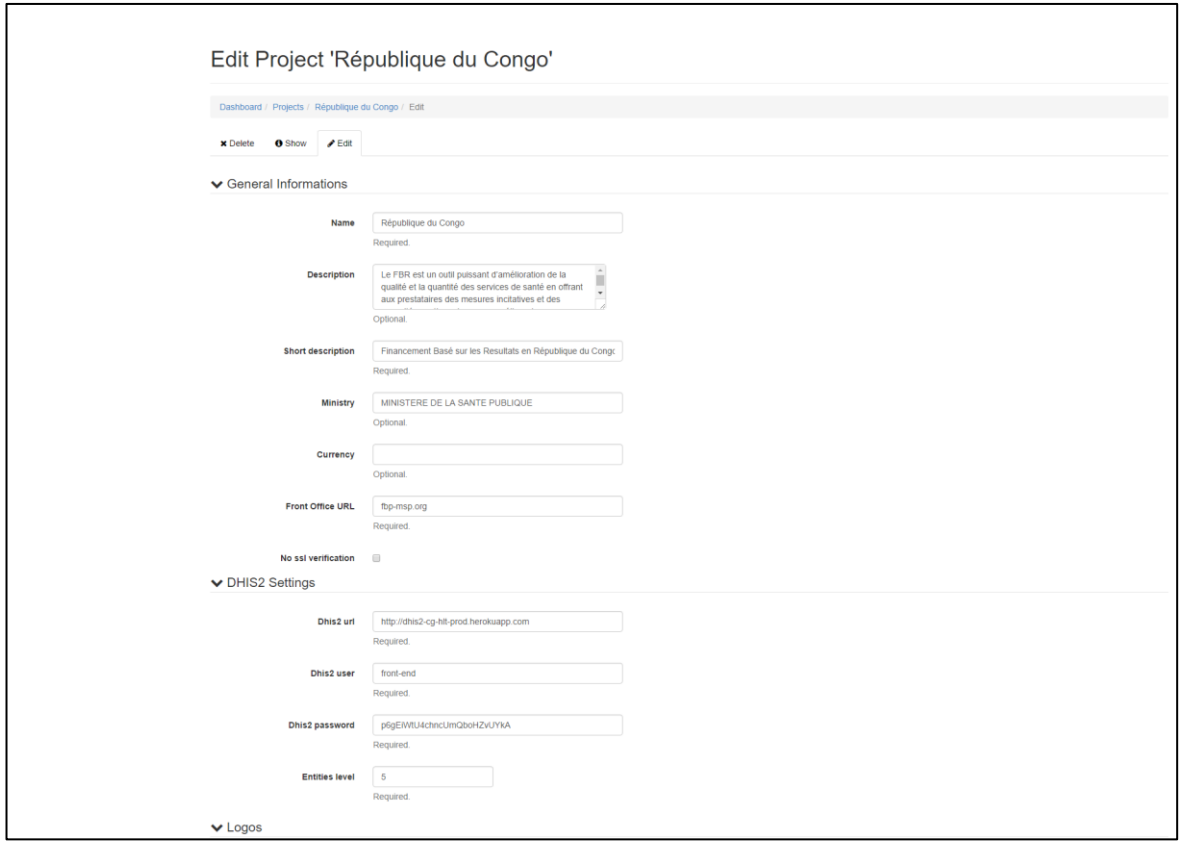
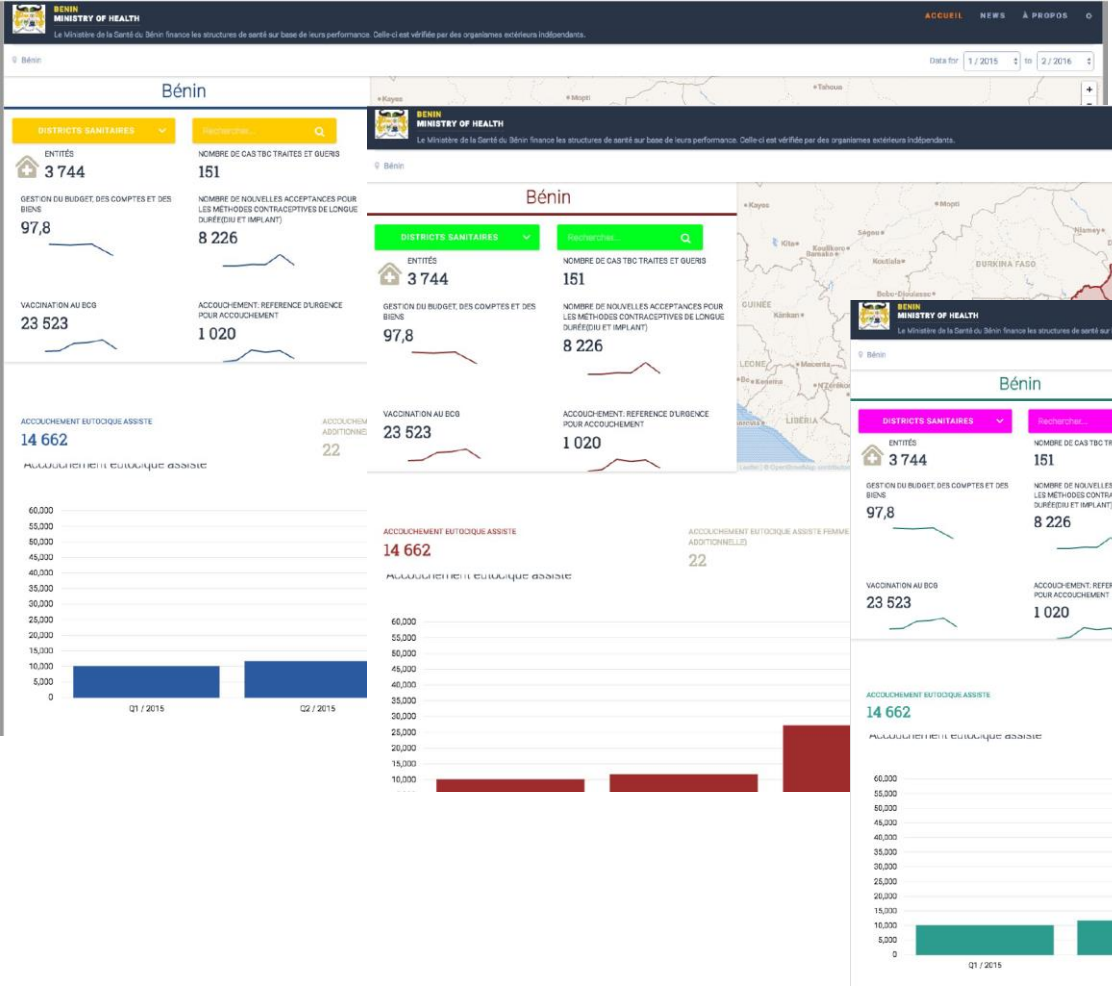

SIERRA LEONE
MINISTRY OF HEALTH
Front based on DHIS2 demo
ACCUEIL
NEWS
À PROPOS
Sierra Leone
Data for
1 / 2015
to
4 / 2016
Sierra Leone
DISTRICTS SANITAIRES
Rechercher...
ENTITÉS
1 166
ANC 1ST VISIT
52 871
ANC 2ND VISIT
49 745
ANC 3RD VISIT
37 062
ANC 4TH OR MORE VISITS
24 320
IPT 1ST DOSE GIVEN AT PHU
54 524
GUINÉE
Boke
Pita
Fria
Mamou
Kindia
Conakry
Kankan
Kissidougou
Korhogo
Macenta
N'Zérékoré
Man
Daloa
Yamoussoukr
CÔTE D'IVOIRE
LIBÉRIA
Monrovia
Gagnoa
Moyamba
Child Health
BCG DOSES GIVEN
CHILDREN GETTING THERAPEUTIC FEEDING
CHILDREN SUPPLIED WITH FOOD SUPPLEMEMENTS
AUTRES INDICATEURS
BCG doses given
Q3 / 2015
62 609
65,000
60,000
55,000
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Q1 / 2015
Q2 / 2015
Q3 / 2015
Q4 / 2015
Q1 / 2016
Q2 / 2016
Q3 / 2016
Q4 / 2016
EXPORTER LES DONNÉES
PARTAGER CETTE PAGE


DISTRICTS SANITAIRES
Dosso
Bossia
92 264
48 390 761
524
61
Résultats par indicateur
Quantité
5 075
320
1 892
Nombre d'accouchements assistés par un personnel qualifié dans la formation sanitaire
341
Le saviez-vous?
Qualité
816
931
891
Organisation générale
Le saviez-vous?
Organisation générale
Données financières
INVESTISSEMENT TOTAL
48 390 761 FCFA
PAR BÉNÉFICIAIRE
524
EXPORTER LES DONNÉES
SHARE DATA


BENIN
MINISTRY OF HEALTH
Le Ministère de la Santé du Bénin finance les structures de santé sur base de leurs performance. Celle-ci est vérifiée par des organismes extérieurs indépendants.
ACCUEIL
NEWS
À PROPOS
Bénin
Data for
1 / 2015
to
2 / 2016
Bénin
DISTRICTS SANITAIRES
Rechercher...
ENTITÉS
3 744
NOMBRE DE CAS TBC TRAITES ET GUERIS
151
GESTION DU BUDGET, DES COMPTES ET DES BIENS
97,8
NOMBRE DE NOUVELLES ACCEPTANCES POUR LES MÉTHODES CONTRACEPTIVES DE LONGUE DURÉE(DIU ET IMPLANT)
8 226
VACCINATION AU BCG
23 523
ACCOUCHEMENT: REFERENCE D'URGENCE POUR ACCOUCHEMENT
1 020
BURKINA FASO
NIGERIA
CÔTE D'IVOIRE
GHANA
TOGO
CAMEROUN
Borgou
Quantity
ACCOUCHEMENT EUTOCIQUE ASSISTE
14 662
ACCOUCHEMENT EUTOCIQUE ASSISTE FEMME INDIGENTE (PRIME ADDITIONNELLE)
22
ACCOUCHEMENT: REFERENCE D'URGENCE POUR ACCOUCHEMENT
1 020
AUTRES INDICATEURS
Accouchement: reference d'urgence pour accouchement
2,200
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
Q1 / 2015
Q2 / 2015
Q3 / 2015
Q4 / 2015
Q1 / 2016
Q2 / 2016

FRONT-END MANAGER

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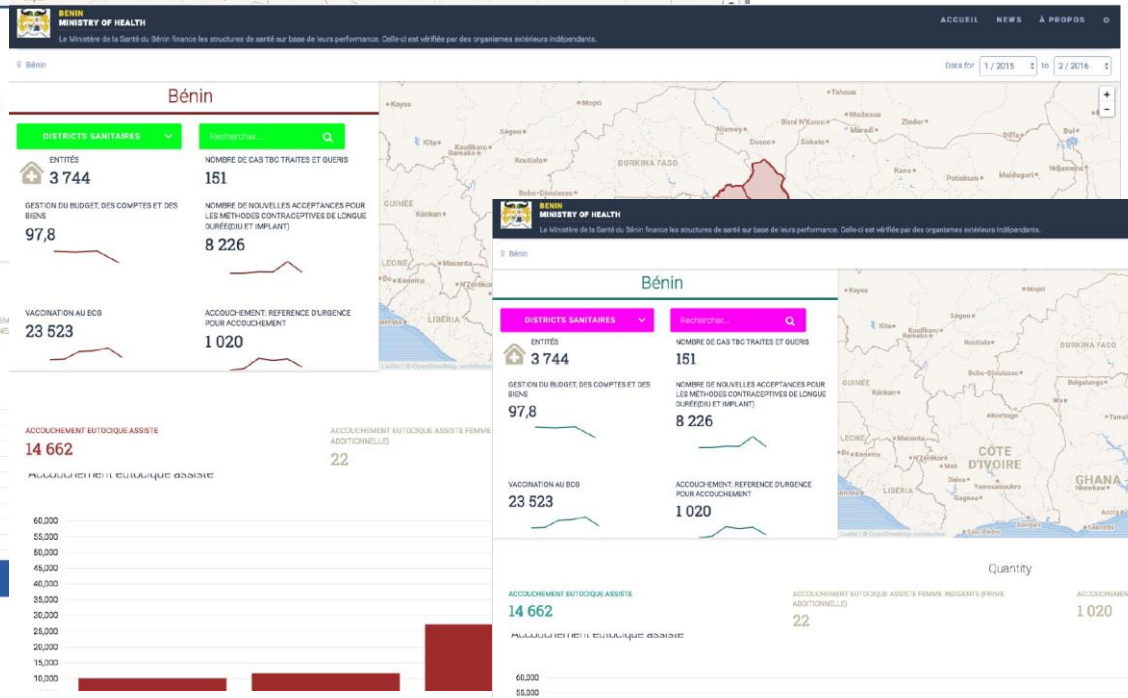
VACCINATION AU BCG
23 523
ACCOUCHEMENT: REFERENCE D'URGENCE POUR ACCOUCHEMENT
1 020
ACCOUCHEMENT EUTOCIQUE ASSISTE
14 662
22
Q1 / 2015
Q2 / 2015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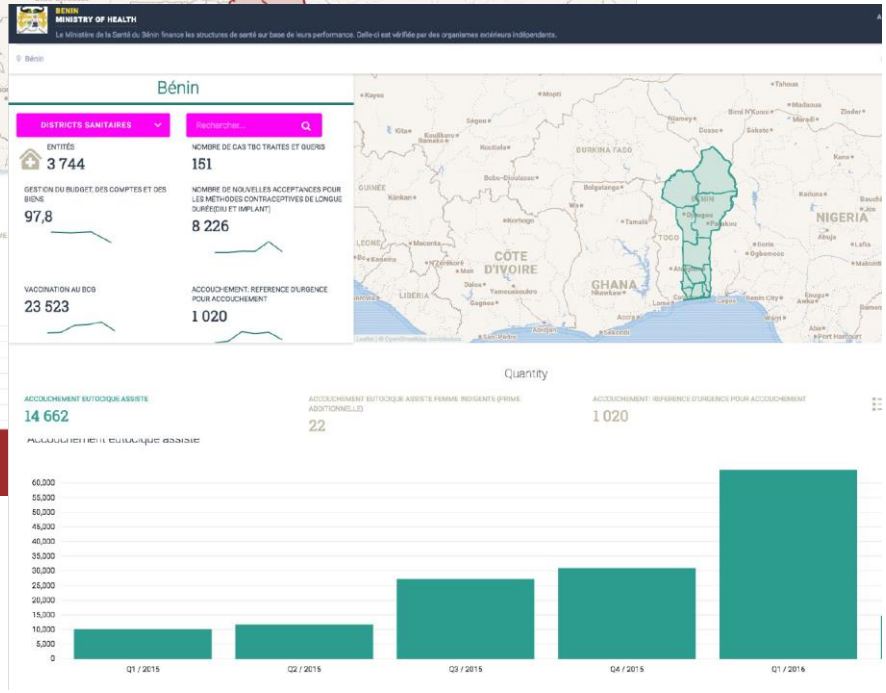
22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8 226
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23 523
ACCOUCHEMENT: REFERENCE D'URGENCE POUR ACCOUCHEMENT
1 020
Quantity
ACCOUCHEMENT EUTOCIQUE ASSISTE
14 662
22
1 020
Q1 / 2015
Q2 / 2015
Q3 / 2015
Q4 / 2015
Q1 / 2016

THANKS!

Any questions?

You can find me at
@avlegrand
alegrand@bluesquare.org

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