Aug 16th, 2013

# SCRS Demo 1

## Prototype Database Details

5 users/passwords:

cms/cms

site1/site1

site2/site2

site3/site3

site4/site4

Sites:

CMS (#0)

CTRL GRP1(#1)

CTRL GRP2(#2)

CTRL GRP3(#3)

St Clare’s Hospital (#10)

Hunterdon Medical Center (#11)

Overlook Medical Center (#12)

Riverview Medical Center (#13)

Departments 0..18

Domains: 1..10

Measures: 0..22 but only 4..10 have data (under quality measures domain)

DRGs: They have been fully populated but use #163, 238, 469

Navicat Premium is used to interface with the local/remote database

Database dump is available in code repository as well (temporarily)

- db.dump

- sql/all2.sql

## Demo Script

## Access the site and login as cms/cms (Susie)

## 5.1.1 Login

## 5.1.2 Visualize all hospitals on zoomable maps

## 5.1.3 Click on any hospitals and get a popup to lead to various ‘dashboards’ for that hospital

Notice: Hospital location/Name/address/website and image from database

5.1.3.1 Select Transitions of Care

5.1.3.1.1 Display graphics page provided by Econometrica

5.1.3.1.2 Roll over departments and see selected metrics displayed in tabular format at top of the page

5.1.3.2 Go back to Map, select hospital and pick Measures Run Charts

5.1.3.2.1 Select one of specific domains from databases: Quality Measures and select a Measure: Mortality

5.1.3.2.1.2 Observe run chart for that measure against three control groups from database. You can interact with the chart; change the time window… rollover the column to see the comparative measures. Chart has a footnote from db and displays measure specific units from db as well.

Comments can be added regarding this data set. Comments can be managed from DISQUS [dashboard](http://scrsproto.disqus.com/admin).

## 5.1.3.3 Go back to map, select hospital and pick DRG’s Benchmark Charts

## Select Year, Quarter, Sub-population and DRG code. DRG input has auto-complete capability. You can enter a number or some text, then select the desired DRG (163) from popup and hit submit.

## Four pre-selected measures are displayed in column format with footnotes and units. You can roll-over the columns and see the hospital name and episode value. Note: Only hospitals 10-13 have names

## 5.1.3.4 Go back to map, select hospital and pick DRGs Run Charts

## For that hospital, select sub-population and enter a DRG code (238). You can interact with the time display and rollover the data to see the values. You can also print the chart and output in different formats (can be removed).

### 5.1.4 Summary Report for CMS (from database).

### 5.2.1 Can send Feedback & Comments on specific pages. Can send email to designated contact

About and Contact pages are accessible from menu bar

Footer as Econometrica logo and contact email

Project logo in menu bar (no favicon in browser… do we need one?)

## 5.2.2 Logout and log back in as site1/site1

## 5.2.3 Can visualize all hospitals on a zoomable map

### 5.2.4 Can click on her hospital and get a popup that leads to various dashboards ONLY for her hospital

## 5.2.4.1 Transitions of care

### 5.2.4.1.1 Display graphics page provided by Econometrica

### 5.2.4.1.2 Rolling over a department shows selected measures (extra point)

### 5.2.4.2 Measures Run Charts

### 5.2.4.2.1 Measure for specific domain can be selected

### 5.2.4.2.1.2 Run chart – Sophie can only identify her hospital

### 5.2.4.4 DRG Run chart

5.2.4.4.1 User can select DRG

5.2.4.4.1.1 DRG display with selected measures

### 5.2.5 Can see customized “Summary of Progress” at bottom of home page

### 5.2.6 Can send feedback, comments, questions

### 5.3 John Stories

### 5.3.1 Cannot access any information on the site

### 5.3.2 Needs to request a username/password from Econometrica

### 5.4 Chris’s stories (Econometrica Economist)

* + 1. Login as Econometrica with assigned password
    2. Visualize all the hospitals on a zoomable map.
    3. Access same content as CMS
    4. Validate all contents and charts

## Steve’s Stories (Super Admin)

* + 1. Manage all database tables
    2. Manually Backup database
    3. Receive emails from users complaining about the site (Contact Info)?
    4. Review Site Analytics, User access… anything special?
    5. Access code, modify and reload new version

### 5.6 SCRS’s Stories

* + 1. Be deployed on commercial cloud (HEROKU)
    2. Can be scaled on-demand
    3. Currently support small number of users with a few concurrent users

No database clustering, duplication…

* + 1. Access Open Source SQL database (PostGres)
    2. No provision for specific uptime requirement

No automatic failover…

* + 1. Provide analytics ([segment.io](https://segment.io/scrs/dashboard)/[Google Analytics](https://www.google.com/analytics/web/?hl=en&pli=1#report/visitors-overview/a43111427w73055145p75436625/))
    2. Provide log files (heroku logs)
    3. Use open source code maintained on [Github](https://github.com/cappelaere/scrc)
    4. Support basic authentication only

## Implementation Details

Code: <https://github.com/cappelaere/scrc>

(written in Javascript, using Express 3.0 and several libraries (see package.json)

Deployment: Heroku App: <http://serene-eyrie-7397.herokuapp.com>

Database: Heroku Postgres

>heroku pg:info

=== HEROKU\_POSTGRESQL\_COBALT\_URL (DATABASE\_URL)

Plan: Dev

Status: available

Connections: 2

PG Version: 9.2.4

Created: 2013-08-10 05:11 UTC

Data Size: 50.4 MB

Tables: 13

Rows: 449038/10000 (In compliance)

Fork/Follow: Unsupported

> heroku pg:credentials DATABASE

Connection info string:

"dbname=dah9e5c5eu4v2u host=ec2-54-221-204-45.compute-1.amazonaws.com port=5432 user=hqjwlzsersyvly password=7sEbUJM3e15-BoRmGMzEzibNhF sslmode=require"

Connection URL:

postgres://hqjwlzsersyvly:7sEbUJM3e15-BoRmGMzEzibNhF@ec2-54-221-204-45.compute-1.amazonaws.com:5432/dah9e5c5eu4v2u