# “SCRC” Semi Customizable Reporting System User Stories

SCRUM 1 – Target Delivery Date: Aug 16th

## 1. Introduction

SCRC is a virtual dashboard to provide visualization of data compiled by Econometrica from hospitals on behalf of Centers for Medicare and Medicaid Services (CMS). It is initially planned for the state of New Jersey but must be expandable to other states.

## 2. Target Users:

CMS program staff

Participating hospital members

Econometrica Program Manager and analysts

Development Team

## 3. Other Stakeholders:

Econometrica CEO & Marketing Managers

## 4. Actors

## 4.1 CMS Auditor

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| --- | --- |
|  | Susie is a CMS Auditor. She has access to the site and can browse all the information in an unrestricted manner. |

## 4.2 Participating Hospital Member

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| --- | --- |
|  | Sophie is a registered hospital member. She can access the site but can only get detailed information about her own hospital.  Selected metrics may be shown commingled with other [anonymous] hospital data and control groups |

## 4.3 Non-Participating Hospital Member

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| --- | --- |
|  | John is an un-registered member. He cannot access the site and needs to request a username/password from Econometrica |

## 4.4 Econometrica Staff

|  |  |
| --- | --- |
|  | Chris is an economist working for Econometrica. He has full access to the site information. Chris validates the database and information provided on the site. Chris may also provide support to users. |

## 4.5 Super Administrator

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| --- | --- |
|  | Steve is the site administrator. He can create new content and manage databases. He can audit the system, analyzes the logs and generates management reports. |

### 4.6 SCRS

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| --- | --- |
|  | SCRS is the actual system. It provides the content and capabilities used by CMS, Econometrica and hospital members. |

## 5. User Stories

## 5.1 Susie’s Stories (CMS Auditor)

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| --- | --- |
|  | As a CMS Program Staff, Susie can: |

* + 1. Login as CMS with assigned password
    2. Visualize all the hospitals on a zoomable map.
    3. Click on any hospital on the map and get a popup to lead to various ‘dashboards’ for that hospital such as:
       1. Transitions of Care
          1. This displays a graphics page representing the transitions of care at episode level (provided by Econometrica)
          2. Rolling over a department, selected metrics are displayed in a TBD tabular format (See ToR)
       2. Measures Run Charts
          1. Measure for specific domains can be selected. Depending on domain, different information can be displayed

Text Display

Run Chart for selected measure (see ToR)

* + - 1. DRG Benchmark Charts
         1. User can select DRG

DRG Display with selected measures (ToR) can be displayed

Susie can identify every hospital on the chart

* + - 1. DRG Run Charts
         1. User can select DRG

DRG Display with selected measures (ToR) can be displayed

Susie can identify every hospital on the chart

* + 1. Can see customized “Summary of Progress” notice at the bottom of first page
    2. Can send feedback, comments, questions from the site

## 5.2 Sophie’s Stories (Registered Hospital Member)

|  |  |
| --- | --- |
|  | As a Registered Member, Sophie can: |

* + 1. Login with assigned username/password
    2. Can Visualize all hospitals on a zoomable map.
    3. Can click on her hospital and get a popup to lead to various ‘dashboard’ ONLY for that hospital
       1. Transitions of Care
          1. This displays a graphics page representing the transitions of care at episode level (provided by Econometrica)
          2. Rolling over a department, selected metrics are displayed in a TBD tabular format (See ToR)
       2. Measures Run Charts
          1. Measure for specific domains can be selected. Depending on domain, different dashboards can be displayed

Text Display

Run Chart for selected measure (see ToR) – Sophie can only identify her hospital.

* + - 1. DRG Benchmark Charts
         1. User can select DRG

DRG Display with selected measures (ToR) can be displayed

* + - 1. DRG Run Charts
         1. User can select DRG

DRG Display with selected measures (ToR) can be displayed

* + 1. Can see customized “Summary of Progress” notice at the bottom of first page
    2. Can send feedback, comments, questions from the site

## 5.3 John’s Stories (Non-Registered Member and Player)

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| --- | --- |
|  | As a Registered Member, John can: |

* + 1. Cannot access any information on the site
    2. Needs to request a username/password from Econometrica

## 5.4 Chris’s Stories (Econometrica Economist)

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| --- | --- |
|  | As a Registered Member, Chris can: |

* + 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
    5. Provide support to users as needed (is he identified on the site?)
    6. Should he has real-time chat capabilities with users?

## 5.5 Steve’s Stories (Super Admin)

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| --- | --- |
|  | As a super admin, Steve can: |

* + 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
    6. Should he get notified if system is not available?
    7. Should he get notified on system crash?

### 5.6 SCRS’s Stories

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| --- | --- |
|  | As SCRS, I can: |

* + 1. Be deployed on commercial cloud
    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 TBD analytics
    2. Provide Log files
    3. Use open source code maintained on Github
    4. Support basic authentication only
    5. Use https for communication security ?

6.0 Database Slices

6.1 Transitions of care

For selectable department

For pre-selected measures in database

For latest quarter

For a particular hospital and three control groups

* 1. Measure Run Chart

For selected measure (and associated domain)

Over all the years and quarters

For a particular hospital and three control group

* 1. DRG Benchmark Chart

For selectable DRG

For a selectable quarter

For all hospitals and three control groups

For PRE, CURR, POST episodes

For pre-selected measures in database

* 1. DRG Run Chart

For a selectable DRG

For a selectable quarter

For specific hospital and three control groups

For pre-selected measures in database