

**Tab 1 -> Comparative Search by location and by hospital name and select a DRG - table of results + bar chart**

Audience: Patients looking to compare the results of two hospitals

**Side 1**

- location ▼
  - *state*
  - *city*
  - *zipcode*
- hospital ▼
- DRG ▼

**Side 2**

- location ▼
  - *state*
  - *city*
  - *zipcode*
- hospital ▼
- DRG ▼

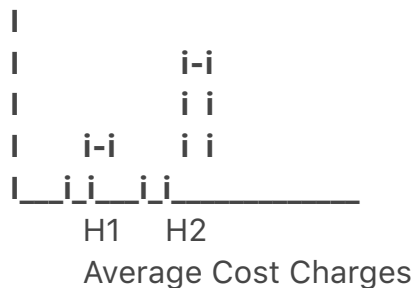
**Option**

- Travel Expenses
- User inputs a value

**Option**

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- User inputs a value

**BAR CHART**



Comparative bar chart

- **Y axis** - cost
- **X axis** - average covered charges , average total payments ,average medicare payments

**TABLE**

**Tab 2 -> Choropleth plot Map for showing statistics for each State for each DRG with a table of results below**

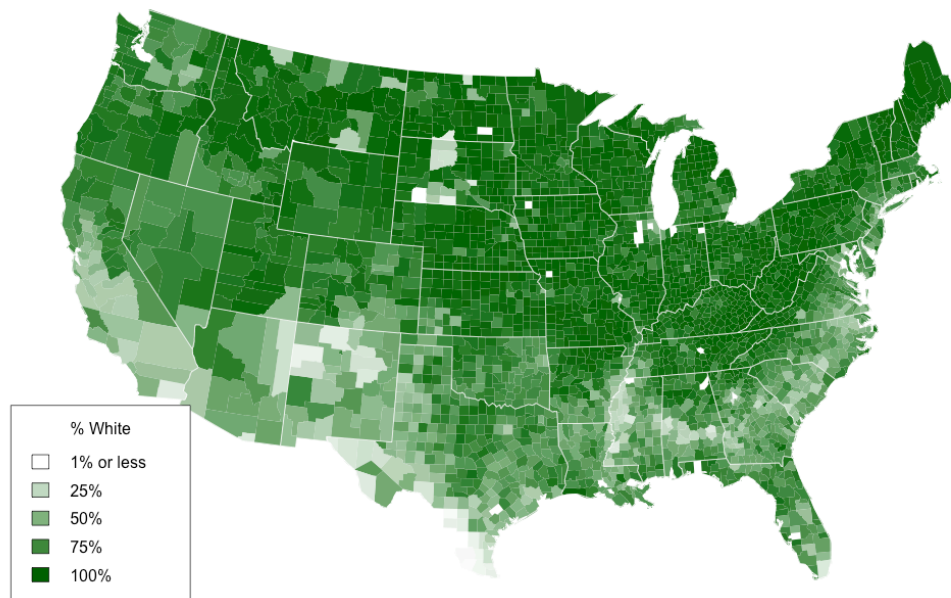
Audience:

- People in the America or in the state who may want to shift to a county with better cover costs
- Government of America to monitor if a particular state is having too many

discharges for a particular DRG but there are not many hospitals for that DRG

are not many hospitals for

- Slider - decide how total discharges
- Select a DRG
- Hover over a state to get information :
  - *total hospitals in that state serving that DRG*
  - *total discharges , average cover charges , average total payments , average medicare payments*



**Tab 3 -> Select a city and get information about the hospitals in that city for a particular DRG**

Audience: Patient looking for the hospital which suites him best in a city of his choice

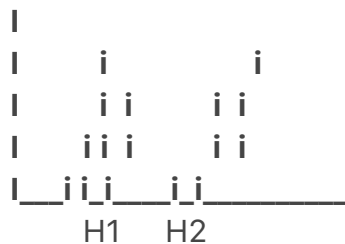
Select a DRG -> State - > City -> get a list of hospitals in that city and information for each hospital in that city

-> Select cost (average covered charges, average total payments and medicare) to manipulate

-> Filter down results using a slider/checkbox to manipulate the cost

-> Option : ability to add extra payments such as travel, etc

## BAR CHART



Comparative bar chart

- **Y axis** - cost

- **X axis** - hospitals

## TABLE

### Tab 4 -> List of Hospitals for a particular set range of costs

Audience:

- Patient to decide if the area he is shifting has a hospital which is charging an amount of money he can pay
- Government to notice if a particular hospital maybe charging a bit too much in comparison to other hospitals
- Curate the dataset such that we get the average medicare ,total payment and covered charges for each hospital

**Slider 1: Average Medicare**

**Slider 2: Total Payment**

**Slider 3: Covered Charges**

### Tab 5 -> Scatter Plot Map and Chloropleth Map of Hospitals in the Country for a particular DRG

Audience:

- Give a set of search results for a patient search for hospitals for a particular DRG
- Government to notice which areas do not have enough hospitals for a particular DRG

- **Select a DRG**

- Slider for costs

Accordingly Results produced on a plot map of America  
Hover for further information

**Tab 6 -> Chloropleth Map to show approx fatality rate for the states/counties of America for a particular DRG**

Audience:

- Government to notice which the severity of a particular DRG in each state and to see if there are any standout results

- make data frame of states and total discharges for each state for a particular DRG
- create a drop down option for all DRGs (which is the default)
- **get the population data set for the year 2011**
- **fatality rate = total discharges/total population for county/state**

**CHLOROPLETH MAP**

**Tab 7 -> About Us and other info**