

1.Team Name: Excalibur

2.Team Members: 1. Akshay Dilip Abhang

2.Aniket Satish Jadhav

3.Project Title and Topic: Shortlisting best healthcare services for a cause of death.

4.Project Type: Custom

5.Concept Selection & Comparison:

- After coming to USA, we found that getting healthcare information is difficult for the international students. So, it must be as hard as disabled people who can't go out of the house or who don't know about locality. Because of this, its is very difficult to find nearest and best healthcare in the situation of emergency.
- Our main aim was to develop an easy and convenient healthcare system to get the information regarding healthcare easily.
- Akshay proposed the idea of finding nearby healthcare service, while Aniket proposed the idea of finding well service provided hospitals.
- Akshay's proposal had drawback that if we nearest healthcare service provider doesn't provide specific treatment then it wouldn't be the best case to visit the hospital. On the other hand, Aniket's proposal had drawback, if the best/well health service provider is far away from a patient, then it wouldn't be a good idea to travel far.
- Finally, we concluded that if we find best and nearest hospital (trade off between distance and service), it would be helpful for patients and newly settled people to save time and life.

6.Dataset Description:

A. Timely and Effective Care – Hospital

This data set includes provider-level data for measures of cataract surgery outcome, colonoscopy follow-up, heart attack care, emergency department care, preventive care, blood clot prevention, pregnancy and delivery care, and cancer care. It has 90403 entities and it is available in below link.

Link: <https://catalog.data.gov/dataset/timely-and-effective-care-hospital-e4aad>

B. Hospital General Information

A list of all Hospitals that have been registered with Medicare. The list includes addresses, phone numbers, and hospital type. It has 5091 entities and it is available in below link.

Link: <https://catalog.data.gov/dataset/hospital-general-information>

C. Potentially Excess Deaths from the Five Leading Causes of Death

In this dataset, it is found that nonmetropolitan areas have significant numbers of potentially excess deaths from the five leading causes of death. These figures accompany this report by presenting information on potentially excess deaths in nonmetropolitan and metropolitan areas at the state level. It has 205921 entities and it is available in below link.

Link: <https://catalog.data.gov/dataset/nchs-potentially-excess-deaths-from-the-five-leading-causes-of-death>

D. 500 Cities: Local Data for Better Health

It has data of 500 cities and census tract. It will be used to find patients or users in specific area. It has 810104 entities and it is available in below link.

Link: <https://catalog.data.gov/dataset/500-cities-local-data-for-better-health-fc759>

7.Tool and Technologies used: Apache Fuseki, Google APIs, HTML,CSS, JavaScript

8.Estimated Timeline:

- 09/22/2019: Getting all software, tools and datasets ready.
- 09/30/2019: To write SPARQL queries.
- 10/13/2019: Writing final SPARQL queries and fetching the results.
- 10/20/2019: Expected completion of project with all integration.