**Latrobe Health Care**

**Business Requirement Document**

Health Care

This report to be implement for Hospital for internal system users who can track of doctors and patient analysis. This report will helpful in making great decisions to improve patient’s satisfactory level. Report to have location wise specification level analysis. Also report most diagnosis from each location. Develop Ideas, suggestions and analysis as per your analytical skill.

**Data Dictionary**

**Provider**: This table contains 50 provider information.

* Prov\_id: Provider ID
* Prov\_name: Provider Name
* Prov\_loc\_id: Providers location id
* Prov\_specialty: Provider’s Specialty

**Locations:** This table contains location information for patients’ visit and providers’ location

* Loc\_id: Location ID
* Loc\_name: Location Name
* Sa\_name: Service Area Name

**Patient:** This table contains patient information

* Unique\_Patient\_id: Patient unique ID
* Gender\_c: Patient’s Gender (“M”,”F”)
* Birth\_date: Patients’ Birthdate
* Pat\_loc\_id: The patient’s primary location

**Pcp:** This table contains patient’s primary care provider information

* Unique\_Patient\_id: Patient ID
* Pcp\_prov\_id: Primary care provider id

**Encounters:** This table contains encounter information

* Enc\_id: Encounter ID for every encounter visit
* Enc\_Patient\_id: Patient ID associated with the encounter
* Visit\_prov\_id: Provider id for encounter
* Enc\_Status\_c: Status of the encounter (“Completed”, “Cancelled”)
* Enc\_date: Date associated with the visit

**Encounter\_dx** : The table contains diagnosis information related to the encounter

* Enc\_id: Unique Encounter ID
* Line: The line number for the diagnosis associated with this record. Multiple pieces of diagnosis can be associated with this record.
* Icd\_code: ICD 10 diagnosis code regarding to the diagnosis

**Question:**

1. Prepare one centralized data model
2. Data cleaning if required
3. Right visuals for right data
4. Data Readability
5. The percentage of females who visited?
6. The top 5 percent of providers based on patient visits?
7. The number of patients visits with age group
8. Most occurring diagnosis
9. MoM% Patient Visits
10. Youngest Age occurred diagnosis

Wireframe