Sri Lanka Institute of Information Technology



Data Warehousing & Business Intelligence

Assignment 02

Submitted by:

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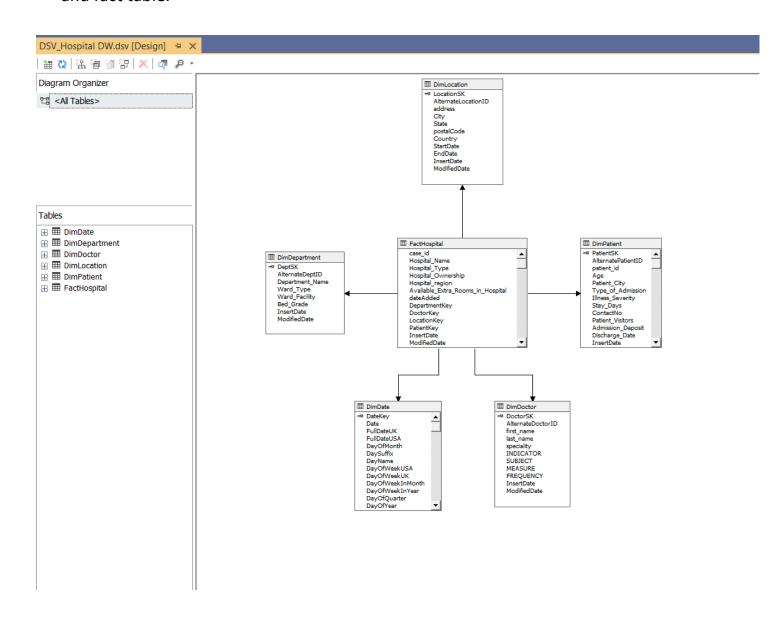
- 1. Data set selection
- 2. Cube Implementation
- 3. Demonstration of OLAP Operations
- 4. SSRS Report

01. Data Source

For this purpose, use Hospital_DW as Data warehouse which implemented in last Assignment.

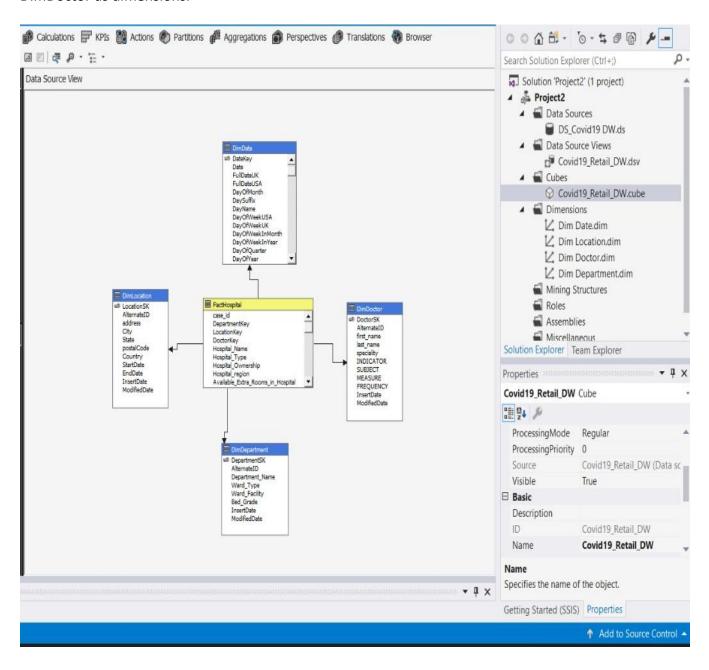
02. Cube Implementation

In here first create data source view using previous implemented data dimensions and fact table.



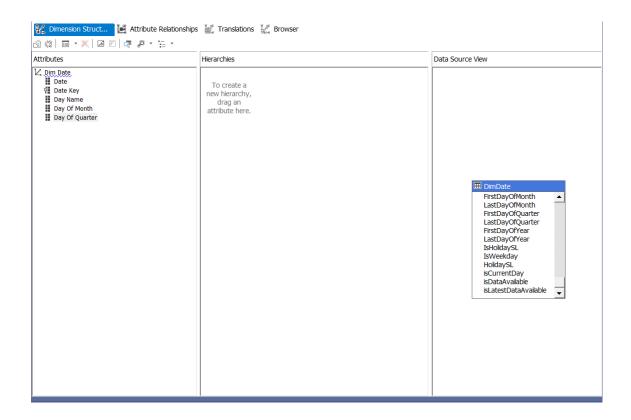
02.1 Create Data Cube

In here I choose Fact Hospitalas measure group DimDepartment, DimLocation, DimDate and DimDoctor as dimensions.

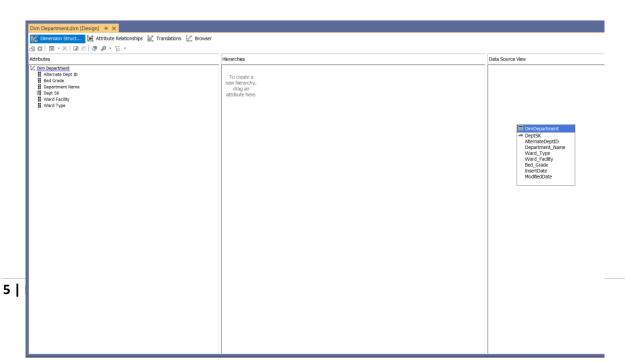


After that configure all the dimension with proper way.

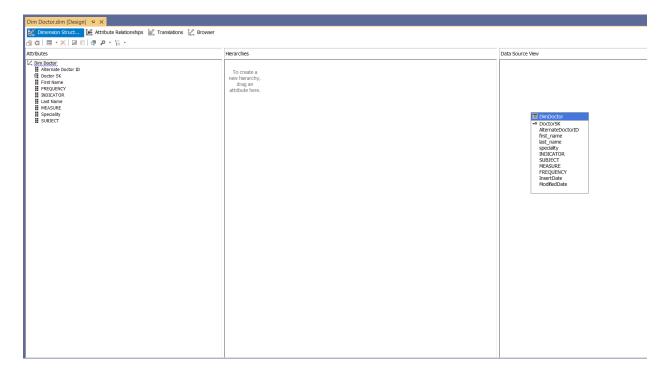
2.1.1 Dim Date



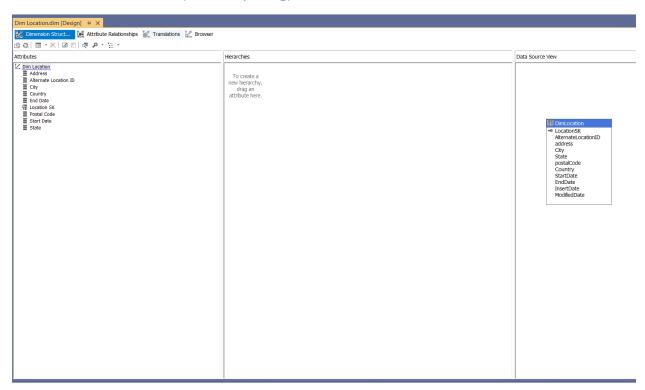
2.1.2 Dim Department



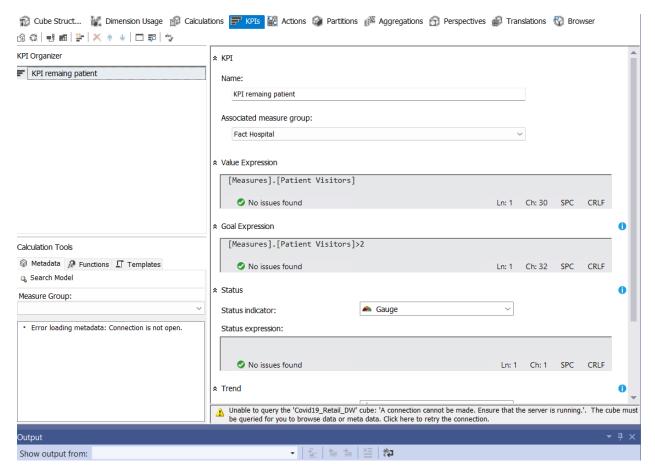
2.1.4 Dim Doctor



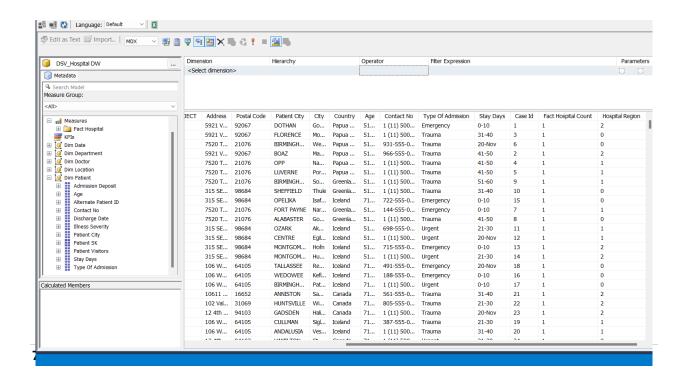
2.1.5 Dim Location(Hierarchy using)

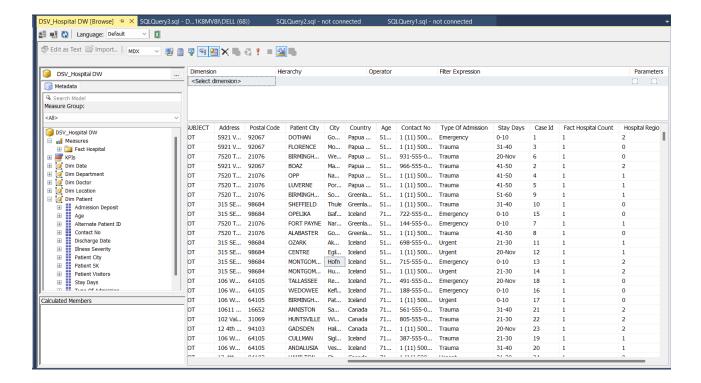


2.1.6 KPI Creation



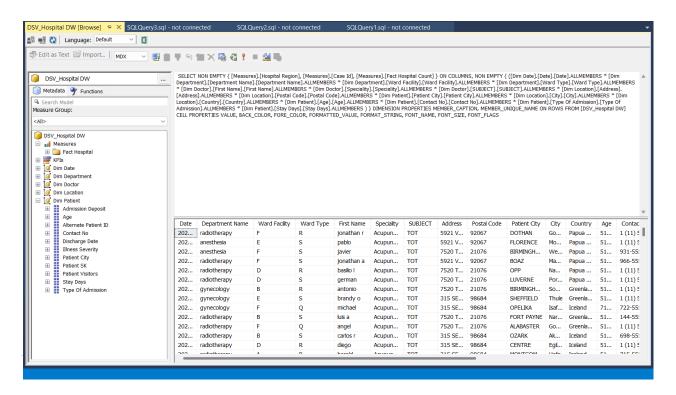
2.1.7 KPI Details



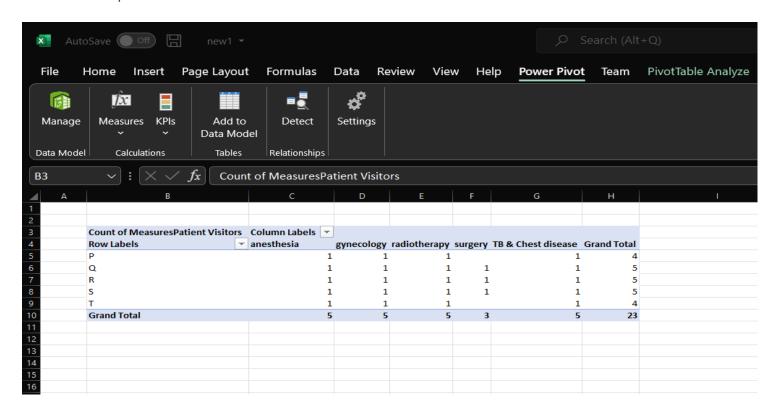


03. Demonstration of OLAP Operations

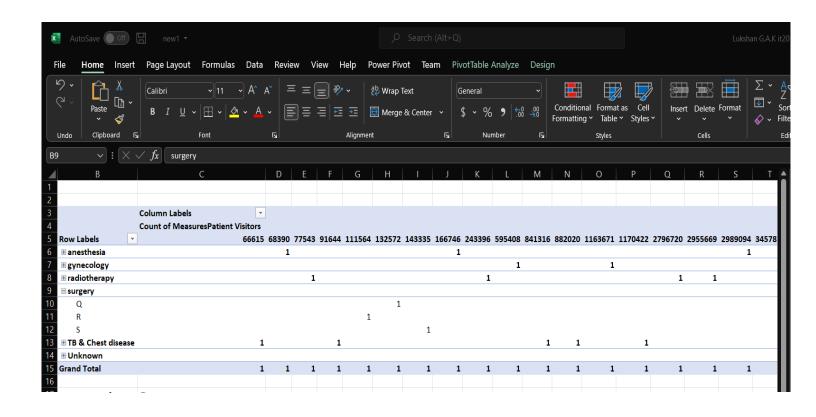
3.1 Browser the Cube in SQL Server Management Studio and Get the MDX for the data



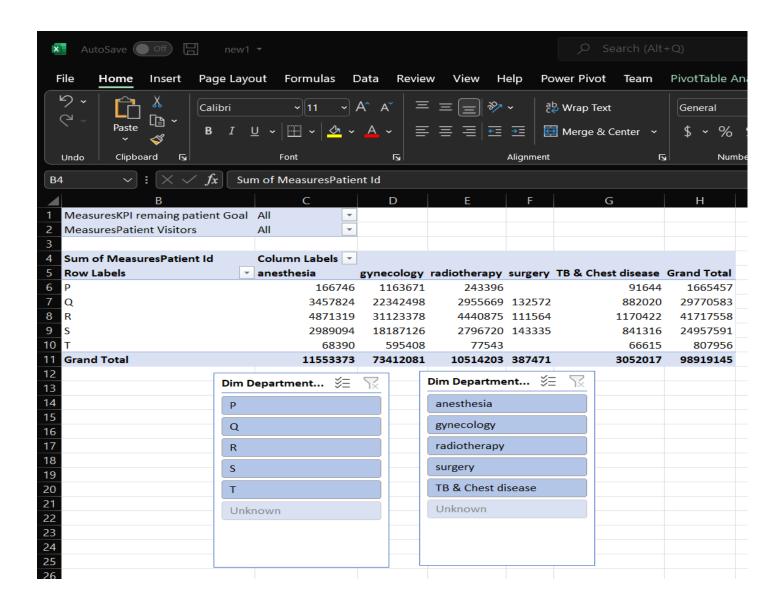
3.2 Roll -Up



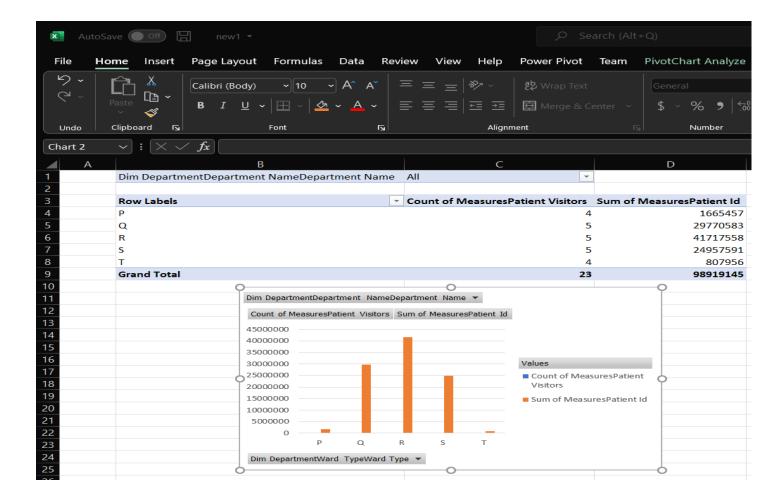
3.3 Drill-Down



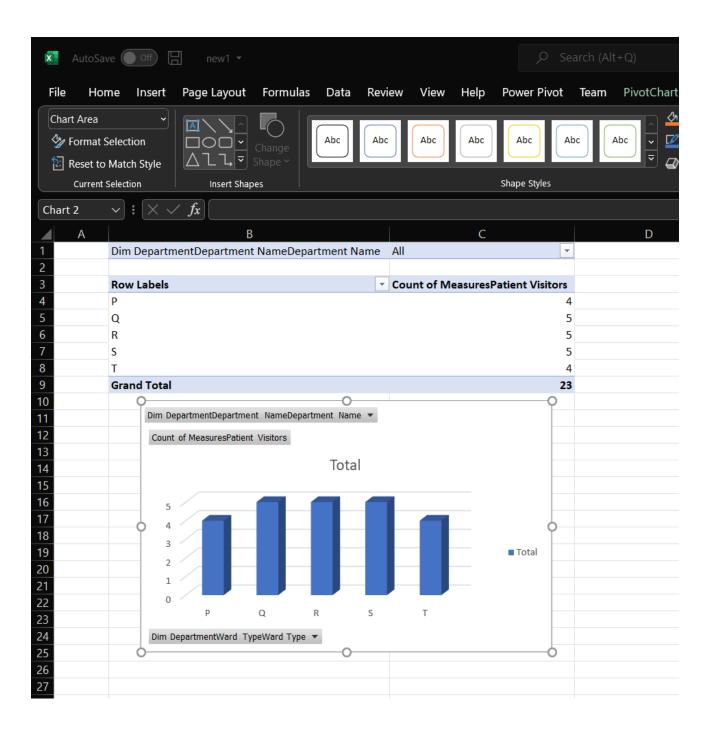
3.4 Slice



3.5 Dice

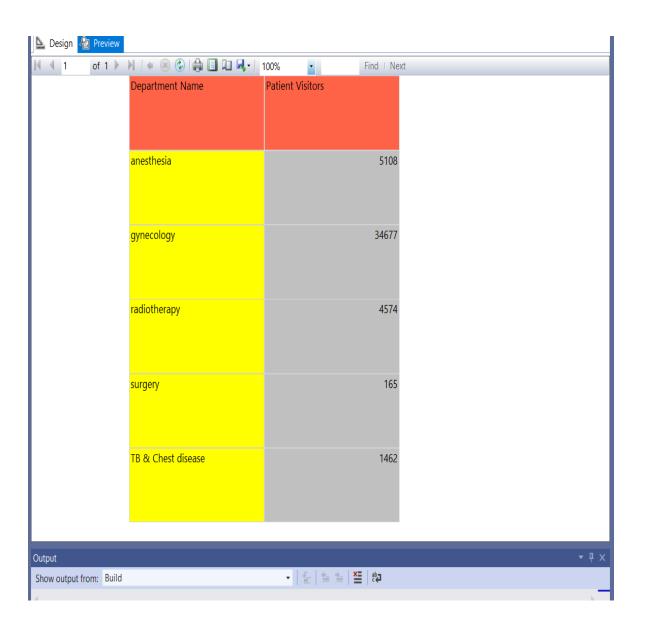


3.6 Pivot



04.SSRS Reports

04.1 Report with a matrix



04.2 Report with Parameter

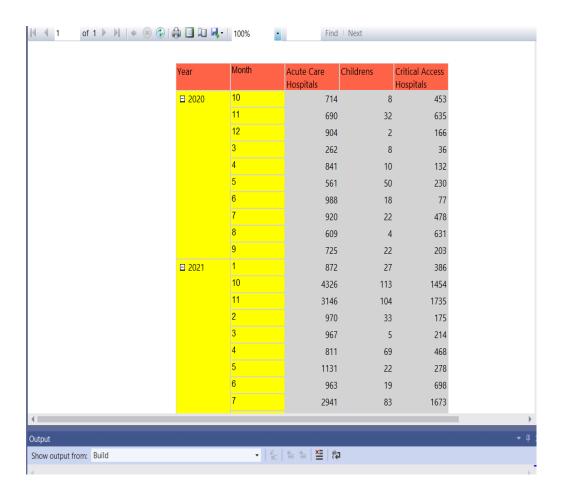


	Acute Care Hospitals		Critical Access Hospitals
radiotherapy	3145	75	1354

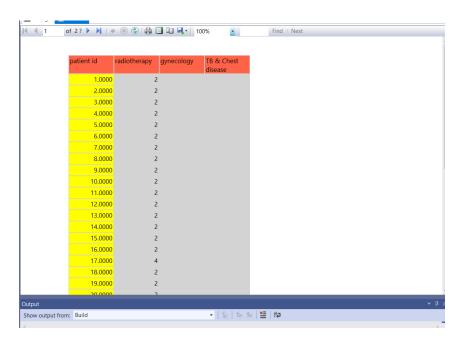
04.2 Report With Chart



04.3 Report with Drill – Down



04.4 Report with Drill - Through



04.5 Drill - Through Result

