

CARENOVA SQL ANALYSIS FINDINGS

FINDINGS

1. The Average Treatment Cost per Department is

Department	Avg_Cost
Pulmonologist	5076.05
Neurologist	5070.56
General Physician	5016.86
Endocrinologist	4994.06
Cardiologist	4926.6

2. The total number of patients treated by each Doctor was identified and the Top 5 among them are as follows:

Doctor	Patients Treated
Dr_224	52
Dr_36	49
Dr_15	48
Dr_10	46
Dr_34	46

3. The conversion rate of successful treatment of each department was calculated

Department	Total Cases	Successful Cases	Conversion rate
Neurologist	1925	1169	0.607300000000
Cardiologist	2284	1386	0.606800000000
General Physician	2115	1258	0.594800000000
Pulmonologist	1659	974	0.587100000000
Endocrinologist	2017	1180	0.585000000000

4. The Readmission count per Condition was observed

Condition	Readmissions
COVID-19	406
Cardiac Issue	398
Hypertension	372
Asthma	320
Diabetes	307

5. The list of doctors with average satisfaction score above 4.5 was assessed, and it was found that all the doctors come under this category.

6. The patients who were admitted more than once in a span of 30 days were analyzed and it was learned that 415 patients were readmitted. The patients who were admitted the most are as follows (Top 10).

Patient_ID	Visit_in_30_Days
P2672	9
P1391	8
P2797	8
P4370	7
P2225	7
P3906	7
P1176	6
P3249	6
P4564	6
P3732	6

7. Comparing Treatment costs between departments.

(Pulmonologist & Cardiologist)

Department	Avg_Treatment_Cost
Pulmonologist	5076.052
Cardiologist	4926.602

(Neurologist & Endocrinologist)

Department	Avg_Treatment_Cost
Neurologist	5070.556
Endocrinologist	4994.062

8. Highest average treatment duration days of conditions were analyzed and it is observed that the duration is almost same for all the conditions.

Condition	Avg_Treatment_Duration_days
Diabetes	15.2973556395035
Hypertension	15.2094163805787
COVID-19	15.1867469879518
Cardiac Issue	15.1284755512943
Asthma	15.0557939914163

9. The most common reasons for admission among age groups are

Age_Group	Condition	Admissions
Adult	Hypertension	1230
Senior	COVID-19	940

10. Doctors with more than 20 cases and recovery rate greater than 80% was analyzed, only 4 doctors satisfied the conditions.

Doctor	Total_Cases	Success_Count	Success_Rate
Dr_210	28	25	0.892857142857
Dr_151	26	22	0.846153846153
Dr_150	34	28	0.823529411764
Dr_43	37	30	0.810810810810