

**First, I used this DAX functions to generate a Date table and extract date-related columns :**

1. DateTable =  
ADDCOLUMNS(  
CALENDAR(AUTO(),  
"Year",YEAR([Date]),  
"Month",FORMAT([Date],"mmm"),  
"Month Num",MONTH([Date]),  
"Week Day",FORMAT([Date],"ddd"))
2. Week\_Num = WEEKDAY([Date])
3. Quarter = "Q-"&QUARTER([Date])
4. Week\_type = IF([Week\_Num] < 6, "Weekday", "Weekend")

### **Basic Measures :**

1. Total Treatment Cost = SUM(visits[Treatment Cost])
2. Total Room Charges =  
SUMX(  
visits, visits[Room Charges(daily rate)] \* visits[Stayed])  
  
Total Patient = DISTINCTCOUNT(visits[Patient ID])
3. Total Medication Cost = sum(visits[Medication Cost])

4. Total Insurance Coverage = SUM(visits[Insurance Coverage])
5. Out-of-pocket = [Total Billing Amount] - [Total Insurance Coverage]
6. Total Billing Amount = [Total Medication Cost] +  
[Total Room Charges] +  
[Total Treatment Cost]

### **Average Measures :**

1. Average billing amount per visit = DIVIDE(  
[Total Billing Amount],[Total Patient])
2. Average Out-of-pocket per visit = DIVIDE(  
[Out-of-pocket],[Total Patient])
3. Avg Insurance Coverage = AVERAGE(visits[Insurance Coverage])
4. Avg Medication Cost = AVERAGE(visits[Medication Cost])
5. Avg Patient Satisfaction Score = AVERAGE(visits[Patient Satisfaction Score])
6. Avg Room Cost = DIVIDE([Total Room Charges],[Total Patient])
7. Avg Stay = AVERAGE(visits[Stayed])

8. Avg Treatment Cost = AVERAGE(visits[Treatment Cost])

### **More Dax Functions :**

1. Active Department = SELECTEDVALUE(departments[Department])

2. % Precedure = DIVIDE

( [Total Billing Amount],

CALCULATE(

[Total Billing Amount],

ALL(procedures[Procedure])))

3. % Department = DIVIDE

( [Total Billing Amount],

CALCULATE(

[Total Billing Amount],

ALL(departments[Department])))

4. Patients location switch = {

("City", NAMEOF('cities'[City]), 0),

("State", NAMEOF('cities'[State]), 1)}