**ASSIGNMENT REPORT**

**HEALTHCARE🏥**

(Data of patients visited the hospital)

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Company: TENZOTECH

**REQUIREMENTS**

* To find the total number of patients
* Find the gender (male & female) count
* Find the month that the highest number of patients visited the hospital
* Find the average ratings by patients based on year, month, age, gender, etc.
* Total patients visit by department referral
* Find the highest patient race category
* Find the highest & lowest age

**Load & Edit the Dataset**

* First I edit the dataset by removing some bottom rows.
* Renamed the ‘date’ column to ‘date & time’.
* Renamed the ‘patient admin flag’ column to ‘hospital staff’.
* Renamed the column ‘patient sat score’ to ‘ratings by patient’.
* Merged the 2 columns ‘patient first initial’ & ‘patient last name to ‘patient full name’.
* Created a new column called patient index no.

**INSIGHTS**

* Created a new measure called ‘Total patients’,

That is; Total Patients = COUNTROWS(‘Hospital ER’)

* Total patient card. This displays the total no. of patients visited the hospital based on selecting the year, month, patient age, patient gender, patient race, department referrals, etc.
* Based on the year the total no. of patients visited hospital is high in the year 2020. ie; 114 patients. In the year 2020 the months march, june & october has highest number of patients (15).
* February month has lowest no. of patients (5).
* Count of patient gender using pie chart. In the year 2020 the no. of male patients(59) are higher than female patients(55). But in the year 2019 the no. of female patients(44) are higher than male patients(42)
* In the year 2020 the highest average ratings got by the patients is higher than the year 2019.
* In 2020, september month got the highest average ratings from patients and the lowest is april month.
* In patient race category the total white race patients count is high. The lowest race is pacific islander.
* Male patients is higher in white race category.
* From department referral plot, the lowest referred department is renal department. (only one female patient)
* In the year 2020, the patients count is increased so the department category is also increased.
* Treatment taken by hospital staff (represented by legend ‘True’) is higher in june & july month. Low in february month. (**page 2** **plot**)
* The count of patients with age of 16 is in higher side.
* In 2019 the patients with age of 8 is higher.
* In 2020 the patients with age of 26 is higher.
* In page 2, from patient age plot, the highest age is 79 & the lowest age is 3.