DAX measures used in the project

Formula Description	Formula
| Percentage of discharge based on filter condition when compared to whole | ```
% Discharge =
DIVIDE(
    [Total Discharges],
    [Total Discharges ALL]
)
``` |
| Percentage of hospitals based on filter condition when compared to whole | ```
% Hospitals =
DIVIDE(
    [Total Hospitals],
    [Total Hospitals ALL]
)
``` |
| Variance in average cost per discharge | ```
% Var Average Cost Per Discharge =
VAR Diff = [Average Discharge Cost] - [Average Discharge Cost ALL]
RETURN
DIVIDE(Diff,
[Average Discharge Cost ALL]
)
``` |
| Variance in average length of stay days | ```
% Var Average LOS Days =
VAR Diff = [Average LOS Days] - [Average LOS Days ALL]
RETURN
DIVIDE (
    Diff,
    [Average LOS Days ALL]
)
``` |
| Average discharge cost | ```
Average Discharge Cost =
DIVIDE(
    [Total Discharge Cost],
    [Total Discharges]
``` |

	```) ```
| Average discharge cost without any filters | ```
Average Discharge Cost ALL =
DIVIDE(
    [Total Discharge Cost ALL],
    [Total Discharges ALL]
)
``` |
| Average length of stay | ```
Average LOS Days =
AVERAGE(
    hospital_discharges[length_of_stay]
)
``` |
| Average length of stay without any filters | ```
Average LOS Days ALL =
CALCULATE(
    AVERAGE(
    hospital_discharges[length_of_stay]),
    ALL(
        hospital_discharges
    )
)
``` |
| Text based on the value selected in the slicer. | ```
Title Selected Facility =
CONCATENATE("Hospital Profile : "
,SELECTEDVALUE(hospital_discharges[facility_name]))
``` |
| Total Discharge Cost | ```
Total Discharge Cost =
SUM(
    hospital_discharges[total_costs]
)
``` |
| Total Discharge cost without any filter context | ```
Total Discharge Cost ALL =
CALCULATE(
    SUM(
    hospital_discharges[total_costs]),
    ALL(
        hospital_discharges
``` |

	```)) ```
Total number of discharges	``` Total Discharges = COUNTROWS(hospital_discharges) ```

Total number of discharges without any filter context	```
	Total Discharges ALL =
	CALCULATE(
	    COUNTROWS(
	        hospital_discharges
	    ),
	    ALL(hospital_discharges)
	)
	``

Total number of hospitals	``` Total Hospitals = DISTINCTCOUNT(hospital_discharges[facility_id]) ```

Total number of hospitals without any filter context	```
	Total Hospitals ALL =
	CALCULATE(
	    DISTINCTCOUNT(
	        hospital_discharges[facility_id]
	    ),
	    ALL(hospital_discharges)
	)
	``

Total Surgeons	``` Total Surgeons = DISTINCTCOUNT(hospital_discharges[operating_provider_license_number]) ```