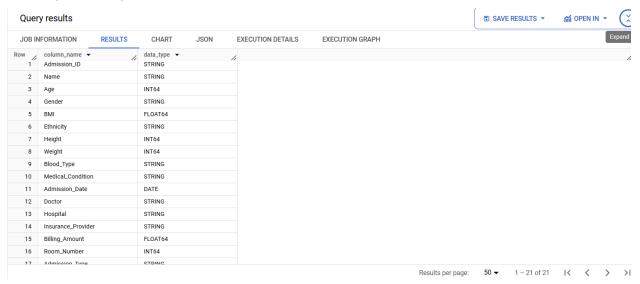
select column_name, data_type

from `apollo_hospital.INFORMATION_SCHEMA.COLUMNS`

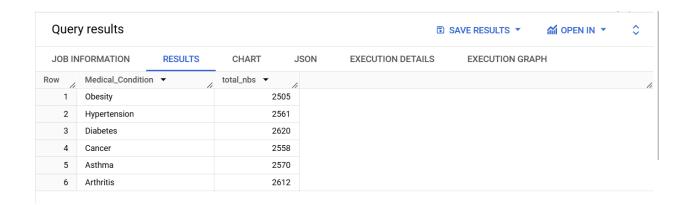


1 Identify the top 3 preferred insurance providers among patients.

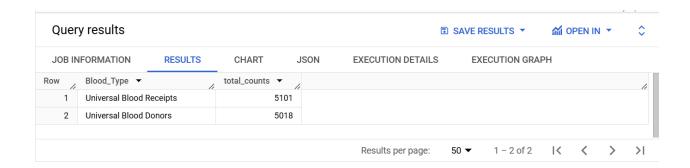
```
select Insurance_Provider, count(*) toal_nbs
from `apollo_hospital.hospital`
group by Insurance_Provider
order by 2 desc
limit 3
```



2 What are the most common medical conditions among patients aged 60 and above?
select Medical_Condition, count(*) total_nbs
from `apollo_hospital.hospital`
where Age >=60
group by Medical_Condition
order by 1 desc



3. Determine the count of universal blood donors (0- patients) and recipients (AB+ patients) within the patient population.



4. How many patients fall into different BMI categories (underweight, normal weight, overweight, obese)?

```
from `apollo_hospital.hospital`
group by BMI)

select Weight_Status, count(*) total_counts
from cte
group by Weight_Status
```

| JOB INFORMATION RESULTS CHART JSON EXECUT Row Weight_Status ▼ total_counts ▼ 1 Underweight 488 2 Normal weight 500 | ON DETAILS EXECUTION GRAPH |
|---|----------------------------|
| 1 Underweight 488 | |
| 1 Underweight 488 | |
| 2 Normal weight 500 | |
| | |
| 3 Overweight 500 | |
| 4 Obese 2487 | |

#6. Which ethnic group exhibits the highest susceptibility to cancer?

```
select Ethnicity, count(*) total_counts
from `apollo_hospital.hospital`
where Medical_Condition = 'Cancer'
group by Ethnicity
order by total_counts desc
```



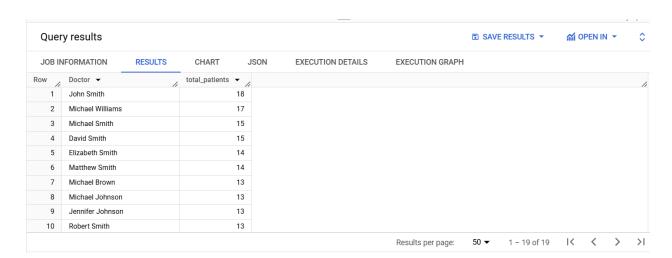
#7. Identify the most commonly prescribed medications for each medical condition.

```
select Medical_Condition, Medication, count(*) prescribed_medication
from `apollo_hospital.hospital`
group by Medical_Condition, 2
order by 3 desc
```

| Quer | y results | | | | | | SAVE RESULTS ▼ | | • |
|--------|-------------------|---------|--------------|------|-----------------------|-------------------|-------------------|------|---|
| JOB IN | FORMATION | RESULTS | CHART | JSON | EXECUTION DETAILS | EXECUTION GRAPH | | | |
| Row | Medical_Condition | · // | Medication ▼ | | prescribed_medication | | | | |
| 1 | Cancer | | Lipitor | | 1417 | | | | |
| 2 | Diabetes | | Lipitor | | 1401 | | | | |
| 3 | Diabetes | | Ibuprofen | | 1388 | | | | |
| 4 | Arthritis | | Aspirin | | 1382 | | | | |
| 5 | Arthritis | | Penicillin | | 1378 | | | | |
| | | | | | | Results per page: | 50 ▼ 1 - 30 of 30 | IC C | > |

#8. Identify doctors who have treated more than 10 patients.

```
select Doctor, count(distinct Name) total_patients
from `apollo_hospital.hospital`
group by Doctor
having count(distinct Name)>10
order by 2 desc
```



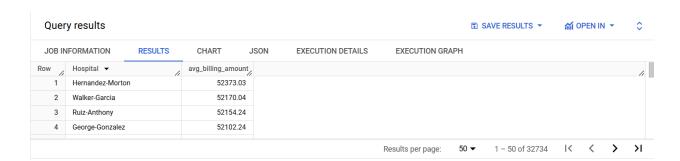
#9. List medical conditions that have an average hospitalization period greater than 15 days and where the maximum billing amount exceeds \$25,000.

```
select Medical_Condition, avg(Days_Hospitalised) avg_hospitalised,
max(Billing_Amount) max_billing_amount
from `apollo_hospital.hospital`
group by Medical_Condition
having avg(Days_Hospitalised) > 15 and max(Billing_Amount) > 25000
order by 2,3 desc
```

| IOR II | NFORMATION | RESULTS | CHART | JSON EXECU | TION DETAILS | EXECUTION GRAPH | | | | | | |
|--------|-------------------|---------|------------------|-------------------|--------------|-------------------|------|------------|----|---|---|----|
| 300 11 | - CINIMATION | RESOLIS | | | TION DETAILS | EXECUTION GIVALLI | | | | | | |
| Row / | Medical_Condition | · / | avg_hospitalised | max_billing_amoun | <u> </u> | | | | | | | |
| 1 | Diabetes | | 15.38596233078 | 52211.85 | | | | | | | | |
| 2 | Obesity | | 15.49073097211 | 51501.65 | | | | | | | | |
| 3 | Hypertension | | 15.51227912548 | 52764.28 | | | | | | | | |
| 4 | Cancer | | 15.51839114832 | 52373.03 | | | | | | | | |
| 5 | Arthritis | | 15.58334555050 | 52170.04 | | | | | | | | |
| 6 | Asthma | | 15.65966450052 | 52181.84 | | | | | | | | |
| | | | | | | Results per page: | 50 ▼ | 1 – 6 of 6 | Ić | / | _ | >1 |

#10. Find hospitals where the average billing amount exceeds the overall average billing amount by at least 50%.

```
select Hospital, avg(Billing_Amount) avg_billing_amount
from `apollo_hospital.hospital`
group by Hospital
having avg(Billing_Amount) > 0.5 * avg(Billing_Amount)
order by 2 desc
```



#11. Find hospitals where the average billing amount exceeds the overall average billing amount by at least 50%.

```
select Hospital, avg(Billing_Amount) avg_billing_amount
from `apollo_hospital.hospital`
group by Hospital
```

```
having avg(Billing_Amount) > (select 1.5 * avg(Billing_Amount) from
`apollo_hospital.hospital`)
order by 2 desc
```

| Quer | y results | | | | | SAVE RESULTS ▼ | 0 | PEN IN 🔻 | \$ |
|--------|--------------------------------|-------------------|------|-------------------|-------------------|---------------------|-----------|----------|-------------|
| JOB IN | NFORMATION RESULTS | CHART | JSON | EXECUTION DETAILS | EXECUTION GRAPH | I | | | |
| Row | Hospital ▼ | avg_billing_amour | nt | | | | | | / |
| 1 | Hernandez-Morton | 52373.03 | 3 | | | | | | |
| 2 | Walker-Garcia | 52170.04 | 4 | | | | | | |
| 3 | Ruiz-Anthony | 52154.24 | 4 | | | | | | |
| 4 | George-Gonzalez | 52102.24 | 4 | | | | | | |
| 5 | Rocha-Carter | 52092.67 | 7 | | | | | | |
| 6 | and Small Stephens Harrington, | 51975.97 | 7 | | | | | | |
| 7 | Clark-Espinoza | 51848.2 | 2 | | | | | | |
| _ | | | | | | | | | |
| | | | | | Results per page: | 50 ▼ 1 - 50 of 7406 | I< | < > | > |

#12. Calculate the total billing amount for emergency and elective admissions for each medical condition. Show only those medical conditions where emergency billing is less than elective billing.

