



Hospital Database SQL Queries & Solutions

1.

```
SELECT SUM(patients_count) AS total_patients  
FROM hospital;
```

2.

```
SELECT AVG(doctors_count) FROM hospital;
```

3.

```
SELECT hospital_name, location, patients_count AS highest_patients FROM  
hospital  
  
ORDER BY patients_count DESC LIMIT 3;
```

4.

```
SELECT hospital_name, MAX(medical_expenses) AS highest_medical_exp  
FROM hospital  
  
GROUP BY hospital_name  
  
ORDER BY highest_medical_exp DESC LIMIT 3;
```

5.

```
SELECT hospital_name,  
       AVG(medical_expenses/(discharge_date-admission_date))  
FROM hospital  
  
GROUP BY hospital_name;
```

6.

```
SELECT discharge_date-admission_date AS longest_stay_patient  
FROM hospital
```

ORDER BY longest_stay_patient DESC LIMIT 1;

7.

FROM hospital

GROUP BY location;

8.

SELECT department ,AVG(discharge_date-admission_date)AS
patients_in_depart

FROM hospital

GROUP BY department;

9.

SELECT department, SUM(patients_count) AS total_patient

FROM hospital

GROUP BY department

order by total_patient LIMIT 2;

10.

SELECT

 DATE_TRUNC('month', admission_date) AS month,

 SUM(medical_expenses) AS total_expenses

FROM hospital

GROUP BY DATE_TRUNC('month', admission_date)

ORDER BY month;