
















Query 1



Limit to 1000 rows



1

# GENERAL HEALTHCARE ANALYSIS

2

3

#1. Average Billing Amount by Medical Condition

4

SELECT `Medical Condition`, ROUND(AVG(`Billing Amount`), 2) AS Average\_Billing

5

FROM healthdata



6


GROUP BY `Medical Condition`


7

ORDER BY Average\_Billing DESC;

Result Grid

 Filter Rows:

Export: 

Wrap Cell Content: 










	Medical Condition	Average_Billing
▶	Obesity	25804.36
	Diabetes	25660.48
	Asthma	25633.46
	Arthritis	25511.78
	Hypertension	25503.06
	Cancer	25152.32

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Medical Condition	Gender	Patient_Count
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Arthritis	Female	4642
Arthritis	Male	4576
Asthma	Male	4584
Asthma	Female	4511
Cancer	Male	4574
Cancer	Female	4566
Diabetes	Female	4609
Diabetes	Male	4607
Hypertension	Male	4582
Hypertension	Female	4569
Obesity	Male	4573
Obesity	Female	4573

Query 1





Limit to 1000 rows




```
14
15     #3. Patients Gender Distribution
16     SELECT `Gender`, COUNT(*) AS Total_Count
17     FROM healthdata
18     GROUP BY `Gender`
19     ORDER BY Total_Count DESC;
20
```

Result Grid



 Filter Rows:

Export: 

Wrap Cell Content: 

	Gender	Total_Count
▶	Male	27496
	Female	27470

Query 1

Limit to 1000 rows

```
21 # Create 'Length of Stay' Column
22 ALTER TABLE healthdata
23 ADD COLUMN `Length of Stay` INT;
24
25 # Disable Safe Update Mode Temporarily
26 • SET SQL_SAFE_UPDATES = 0;
27
28 # Calculate and Populate 'Length of Stay' Column
29 • UPDATE healthdata
30 SET `Length of Stay` = DATEDIFF(`Discharge Date`, `Date of Admission`);
31
32 # Enable Safe Update Mode
33 • SET SQL_SAFE_UPDATES = 1;
```

```
35 #4. Average Length of Stay by Admission Type
```

```
37 FROM healthdata
```

```
38 GROUP BY `Admission Type`
```

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Result Grid |   Files & Folders |  Export |  Web Call Content | 

Admission Type	Average_Stay_Days
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	Hospital	Total_Billing
1	St. George's Hospital	1221477.00

```

53
54     #7. Most Common Medication for Each Medical Condition
55     • WITH RankedMedications AS (
56         SELECT `Medical Condition`, `Medication`, COUNT(*) AS Prescription_Count, ROW_NUMBER()
57         OVER (PARTITION BY `Medical Condition`
58             ORDER BY COUNT(*) DESC) AS rn
59         FROM healthdata
60         GROUP BY `Medical Condition`, `Medication`)
61     SELECT `Medical Condition`, `Medication`, Prescription_Count
62     FROM RankedMedications
63     WHERE rn = 1;










```

Medical Condition	Medication	Prescription_Count
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Arthritis	Aspirin	1901
Asthma	Paracetamol	1870
Cancer	Lipitor	1904
Diabetes	Lipitor	1875
Hypertension	Ibuprofen	1874
Obesity	Penicillin	1872



Query 1










Limit to 1000 rows

64  
65 #8. Test Result Distribution by Medication  
66 • SELECT `Medication`, `Test Results`, COUNT(\*) AS Result\_Count  
67 FROM healthdata  
68 GROUP BY `Medication`, `Test Results`  
69 ORDER BY `Medication` ASC, Result\_Count DESC;

Result Grid
Filter Rows:
Export:
Wrap Cell Content:

	Medication	Test Results	Result_Count
▶	Aspirin	Abnormal	3700
	Aspirin	Normal	3696
	Aspirin	Inconclusive	3588
	Ibuprofen	Abnormal	3711
	Ibuprofen	Normal	3699
	Ibuprofen	Inconclusive	3613
	Lipitor	Inconclusive	3720
	Lipitor	Abnormal	3670
	Lipitor	Normal	3648
	Paracetamol	Abnormal	3695
	Paracetamol	Inconclusive	3646
	Paracetamol	Normal	3624
	Penicillin	Normal	3664
	Penicillin	Abnormal	3661
	Penicillin	Inconclusive	3631



```

77
78 #10. Monthly Admission Trend in Last Twelve Months
79 • SELECT DATE_FORMAT(`Date of Admission`, '%Y-%m') AS Month, Count(*) AS Admissions
80 FROM healthdata
81 WHERE `Date of Admission` >= DATE_SUB((SELECT MAX(`Date of Admission`) FROM healthdata), INTERVAL 12 MONTH)
82 GROUP BY Month
83 ORDER BY Month DESC
84 LIMIT 12;

```

Result Grid |   Filter Rows:  | Export:  | Wrap Cell Content:  | Fetch rows: 

Month	Admissions
2024-05	212
2024-04	941
2024-03	902
2024-02	869
2024-01	903
2023-12	916
2023-11	873
2023-10	884
2023-09	913
2023-08	962
2023-07	913
2023-06	953

Query 1

Limit to 1000 rows

85

86 #11. Insurance Providers With Highest Total Billing

87 • SELECT `Insurance Provider`, ROUND(SUM(`Billing Amount`), 2) AS Total\_Billing

88 FROM healthdata

89 GROUP BY `Insurance Provider`

90 ORDER BY Total\_Billing DESC;

Result Grid

Filter Rows:

Export:

Wrap Cell Content: