



ADDITIONAL INSIGHTS



DIAGNOSIS TRENDS

Congestive Heart Failure is the most frequent diagnosis.

```
1 • SELECT diagnosis, COUNT(*) as num_cases
2   FROM admissions
3   GROUP BY diagnosis
4   ORDER BY num_cases DESC
5   LIMIT 10;
6
```

Result Grid			Filter Rows:		Export:	Wrap Cell C
	diagnosis	num_cases				
▶	Congestive Heart Failure	277				
	Pregnancy	170				
	Appendicitis	142				
	Myocardial Infarction	105				
	Chest Pain	83				
	Pneumonia	82				
	Unstable Angina	68				
	Fractured Femur	61				
	Abdominal Pain	58				
	Asthma	50				

DOCTOR PERFORMANCE

Dr.Claude has the highest no.
of the patients.




```
1 • SELECT d.first_name, COUNT(*) as num_admissions
2 FROM admissions a
3 JOIN doctors d ON a.attending_doctor_id = d.doctor_id
4 GROUP BY d.first_name
5 ORDER BY num_admissions DESC
6 LIMIT 10;
7
```

result Grid		Filter Rows:	Export:	Wrap Cell Content:
first_name	num_admissions			
Claude	214			
Angelica	209			
Hazel	206			
Donna	203			
Douglas	201			
Larry	200			
Marie	198			
James	197			
Flora	194			
Mary	191			

LENGTH OF STAY

Patients diagnosed with major depression have more days of stay.

```
1 • SELECT diagnosis, AVG(DATEDIFF(discharge_date, admission_date))
2   as avg_length_of_stay
3   FROM admissions
4   GROUP BY diagnosis
5   ORDER BY avg_length_of_stay DESC;
6
```

Result Grid  Filter Rows: <input type="text"/> Export:  Wrap Cell Content: 		
	diagnosis	avg_length_of_stay
▶	Major Depression	7.0000
	Dehydration, Vomiting	6.6000
	Total Left Hip Replacement	6.6000
	Fractured Hip (Right)	6.3333
	Tuberculosis	6.2727
	Endometriosis	6.1818
	Coronary Artery Disease	6.1500
	Parkinsons, Rheumatoid Arthritis, Total Hip Replac	6.0714
	Hiatal Hernia	6.0000
	Bipolar Disorder	6.0000
	Fracture Rt Radius	6.0000

SEASONAL TRENDS

A spike in admissions during winter season.

```
1 • SELECT month(admission_date) as month, COUNT(*) as num_admissions
2 FROM admissions
3 GROUP BY month(admission_date)
4 ORDER BY month;
5
```

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

	month	num_admissions
1	1	425
2	2	393
3	3	429
4	4	403
5	5	436
6	6	411
7	7	448
8	8	439
9	9	406
10	10	448
11	11	425
12	12	404

GEOGRAPHICAL DISTRIBUTION

Most patients are from the Province of Ontario.

```
1 • SELECT province_name, COUNT(*) AS num_patients
2 FROM patients
3 JOIN province_names ON patients.province_id = province_names.province_id
4 GROUP BY province_names.province_name
5 ORDER BY num_patients DESC;
6
```

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

province_name	num_patients
Ontario	4298
Nova Scotia	60
British Columbia	49
Alberta	47
Manitoba	31
Quebec	23
Saskatchewan	13
Newfoundland and Labrador	9