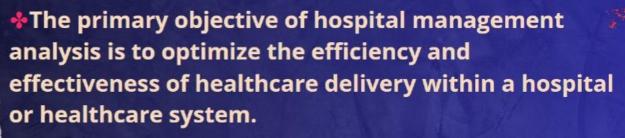


OBJECTIVE



This involves assessing various aspects such as resource allocation, patient flow, quality of care, and financial performance to enhance patient outcomes while managing costs and resources effectively.





doctors	
doctor_id	INTEGER
first_name	VARCHAR(30)
last_name	VARCHAR(30)
specialty	VARCHAR(25)
admissions	
	INT
patient_id	INT
admission_date	DATE
discharge_date	DATE
diagnosis	VARCHAR(50)
attending_doctor_id	INT

CHAR(2)

VARCHAR(30)

province_names

province id

province_name

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+	- ₩-
•	5
	Manish Gupta

Show first name, last name, and gender of patients whose gender is 'M'.

SELECT first_name, last_name, gender
FROM patients
WHERE gender = 'M';

	first_name	last_name	gender
-	Donald	Waterfield	М
	Mickey	Baasha	M
	Jiji	Sharma	M
	Blair	Diaz	M
	Charles	Wolfe	M
	Thomas	ONeill	M
	Sonny	Beckett	M
	Cedric	Coltrane	M
	Hank	Spencer	M
	Rick	Bennett	M
	Woody	Bashir	M
	Tom	Halliwell	M
	John	West	M



Hospital Management Analysis

Show first name and last name of patients that weight within the range of

100 to 120

 SELECT first_name, last_name, weight FROM patients

WHERE weight BETWEEN 100 AND 120 ;

	first_name	last_name	weight	
•	Jiji	Sharma	106	
	Blair	Diaz	104	
	Thomas	ONeill	117	
	Sonny	Beckett	105	
	Tom	Halliwell	114	
	Jon	Doggett	116	
	Angel	Edwards	106	
	John	Farley	104	
	Temple	Russert	102	
	Don	Edwards	118	
	Gary	Ramotswe	101	
	Phil	Chester	112	
	Woody	Riviera	109	









Show first name of patients that start with the letter 'C'.

SELECT first_name
 FROM patients
 WHERE first_name LIKE 'C%';

	first_name
٠	Charles
	Cedric
	Charles
	Cross
	Calleigh
	Catherine
	Caroline
	Casanova
	Chen
	Charmian
	Cary
	Christine



Show first name and last name concatinated into one column to show their full name.



SELECT
CONCAT(first_name, ' ', last_name)
FROM patients;

	Full_Name
•	Donald Waterfield
	Mickey Baasha
	Jiji Sharma
	Blair Diaz
	Charles Wolfe
	Sue Falcon
	Thomas ONeill
	Sonny Beckett
	Sister Spitzer
	Cedric Coltrane
	Hank Spencer
	Sara di Marco
	Daphne Seabright







Show first name, last name, and the full province name of each patient.

(Example: 'Ontario' instead of 'ON')

SELECT

first_name, last_name, province_name

FROM

patients

INNER JOIN

province_names ON patients.province_id = province_names.province_id;

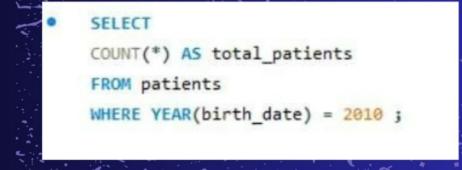


	first_name	last_name	province_name
•	Donald	Waterfield	Ontario
	Mickey	Baasha	Ontario
	Jiji	Sharma	Ontario
	Blair	Diaz	Ontario
	Charles	Wolfe	Ontario
	Sue	Falcon	Ontario
	Thomas	ONeill	Ontario
	Sonny	Beckett	Nova Scotia
	Sister	Spitzer	Ontario
	Cedric	Coltrane	Ontario
	Hank	Spencer	Ontario



Hospital Management Analysis

Show how many patients have a birthdate with 2010 as the birth year.













Show the firstname, lastname, and height of the patient with the greatest height.

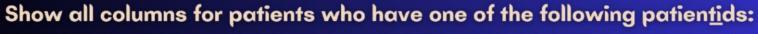
> SELECT first_name, last_name, height FROM patients ORDER BY height DESC LIMIT 1;

	first_name	last_name	height
-	Sam	Haruko	226









1,45,534,879,1000

• SELECT *FROM patients
WHERE patient_id IN (1 , 45, 534, 879, 1000);

	patient_id	first_name	last_name	gender	birth_date	city	province_id	allergies	height	weight
>	1	Donald	Waterfield	M	1963-02-12	Barrie	ON	Null	156	65
	45	Cross	Gordon	M	2009-03-20	Ancaster	ON	Null	125	53
	534	Don	Zatara	M	2008-01-11	Timmins	ON	Null	136	67
	879	Orla	Shawn	F	1967-09-24	Sarnia	ON	Penicillin	149	65
	1000	Rick	Williams	M	1975-04-13	Hamilton	ON	Penicillin	176	127









Show the total number of admissions.

SELECT
 COUNT(*) AS total_admissions
 FROM admissions;

total_admissions

5065





Show all the columns from admissions where the patient was admitted and discharged on the same day.



SELECT *FROM admissions
 WHERE admission_date LIKE discharge_date;

	patient_id	admission_date	discharge_date	diagnosis	attending_doctor_id
-	1	2018-09-20	2018-09-20	Ineffective Breathin Pattern R/T Fluid Accumulatio	24
	9	2018-12-31	2018-12-31	Ruptured Appendicitis	19
	10	2019-02-27	2019-02-27	Lower Quadrant Pain	27
	17	2019-03-04	2019-03-04	Diabetes Mellitus	9
	28	2019-03-30	2019-03-30	Cancer Of The Stomach	26
	31	2018-09-26	2018-09-26	Cardiovascular Disease	19
	53	2018-10-24	2018-10-24	Urinary Tract Infection	8
	54	2019-04-07	2019-04-07	Hypertension	21
	70	2018-07-17	2018-07-17	Migraine	20
	78	2018-06-17	2018-06-17	Hypertension	17



Show the patient id and the total number of admissions for patientid 579.

SELECT patient id, COUNT(*) AS total admissions FROM admissions WHERE patient_id = 579;

> total_admissions patient id 579









Based on the cities that our patients live in, show unique cities that are in provinceid 'NS'?



SELECT DISTINCT (city) AS unique_city FROM patients WHERE province_id = 'NS';

	unique_city
•	Port Hawkesbury
	Halifax
	Inverness

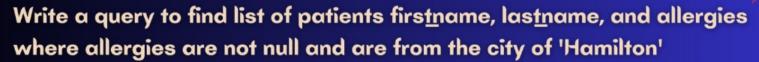
Write a query to find the firstname, last name and birth date of patients who has height greater than 160 and weight greater than 70

SELECT first_name, last_name, birth_date
 FROM patients

WHERE height > 160 AND weight > 70;

	first_name	last_name	birth_date	
•	Mickey	Baasha	1981-05-28	
	Jiji	Sharma	1957-09-05	
	Blair	Diaz	1967-01-07	
	Thomas	ONeill	1993-01-31	
	Sonny	Beckett	1952-12-11	
	Sister	Spitzer	1966-10-15	
	Rick	Bennett	1977-01-27	
	Amy	Leela	1977-06-25	
	Tom	Halliwell	1987-08-01	
	Rachel	Winterbourne	1966-04-26	
	Jon	Doggett	1951-12-25	





SELECT first_name, last_name, allergies
 FROM patients
 WHERE allergies IS NOT NULL

AND city = 'Hamilton';

	first_name	last_name	allergies
•	Jiji	Sharma	Penicillin
	Blair	Diaz	Null
	Sara	di Marco	Null
	Amy	Leela	Null
	Tom	Halliwell	Ragweed
	Rachel	Winterbourne	Null
	Jon	Doggett	Null
	Nino	Andrews	Peanuts
	John	Farley	Gluten











