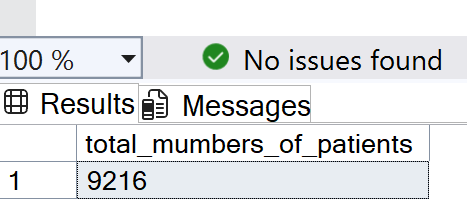
1. **Total number of patient**

SELECT

Count (patient\_id) as total\_mumbers\_of\_patients

FROM [Hospital ER]

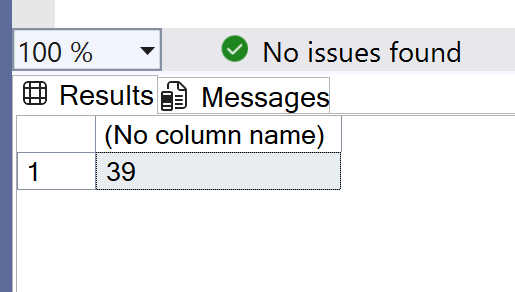


1. **Avg patients age**

SELECT

AVG (patient\_age)

FROM [Hospital ER]



1. **Total patient by gender**

SELECT

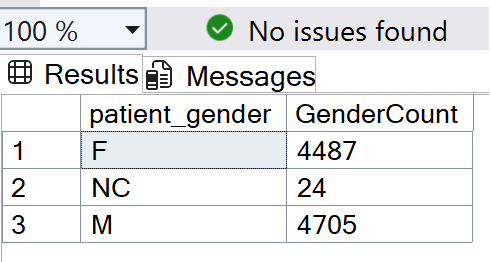
patient\_gender,

COUNT(patient\_id) AS GenderCount

FROM [Hospital ER]

GROUP BY patient\_gender;

;



1. **Total number of patients by race**

SELECT

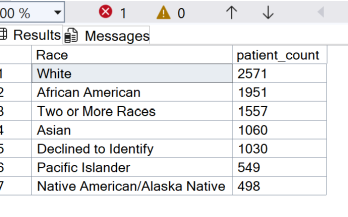
s AS Race,

COUNT(patient\_id) AS patient\_count

FROM [Hospital ER]

GROUP BY s

ORDER BY patient\_count DESC;



1. **Total patient by age group**

SELECT

CASE

WHEN patient\_age BETWEEN 0 AND 1 THEN 'Infant (Baby)'

WHEN patient\_age BETWEEN 2 AND 4 THEN 'Young Child'

WHEN patient\_age BETWEEN 5 AND 9 THEN 'Child'

WHEN patient\_age BETWEEN 10 AND 19 THEN 'Adolescent'

WHEN patient\_age BETWEEN 20 AND 24 THEN 'Youth'

WHEN patient\_age BETWEEN 25 AND 59 THEN 'Adult'

WHEN patient\_age >= 60 THEN 'Elderly'

ELSE 'Unknown'

END AS age\_group,

COUNT(patient\_id) AS patient\_count

FROM [Hospital ER]

GROUP BY

CASE

WHEN patient\_age BETWEEN 0 AND 1 THEN 'Infant (Baby)'

WHEN patient\_age BETWEEN 2 AND 4 THEN 'Young Child'

WHEN patient\_age BETWEEN 5 AND 9 THEN 'Child'

WHEN patient\_age BETWEEN 10 AND 19 THEN 'Adolescent'

WHEN patient\_age BETWEEN 20 AND 24 THEN 'Youth'

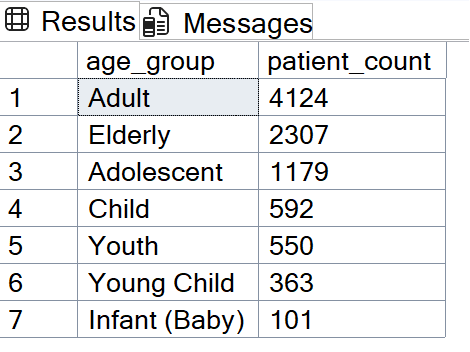
WHEN patient\_age BETWEEN 25 AND 59 THEN 'Adult'

WHEN patient\_age >= 60 THEN 'Elderly'

ELSE 'Unknown'

END

ORDER BY patient\_count DESC;

****

1. **AVG number of patients by Gender and Total wait time**

SELECT

patient\_gender,

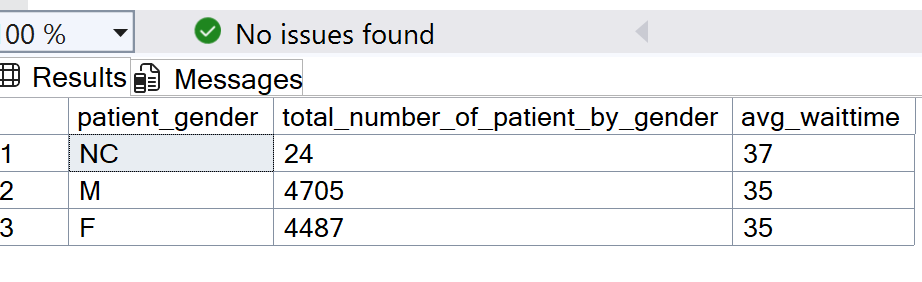
COUNT (patient\_gender) as total\_number\_of\_patient\_by\_gender,

AVG(patient\_waittime) AS avg\_waittime

FROM [Hospital ER]

GROUP BY patient\_gender

ORDER BY avg\_waittime DESC;



**6b. Total number of patients by Race and Total wait time**

SELECT

s,

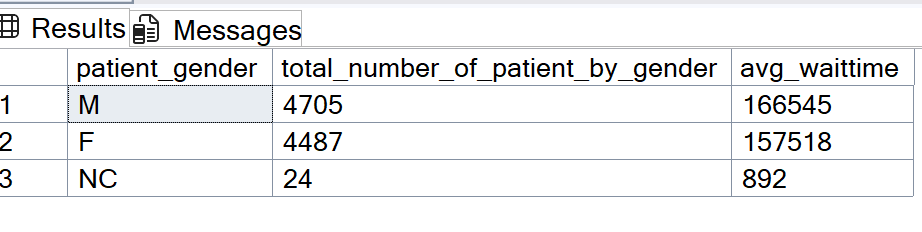
COUNT (s) as total\_number\_of\_patient\_by\_race,

SUM(patient\_waittime) AS avg\_waittime

FROM [Hospital ER]

GROUP BY s

ORDER BY avg\_waittime DESC;

****

1. **Total number of patients by race and avg wait time**

SELECT

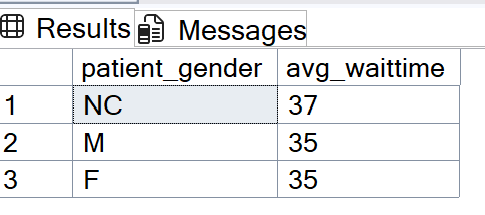
patient\_gender,

AVG(patient\_waittime) AS avg\_waittime

FROM [Hospital ER]

GROUP BY patient\_gender

ORDER BY avg\_waittime DESC;

****

1. **Avg patient satisfactory score**

SELECT

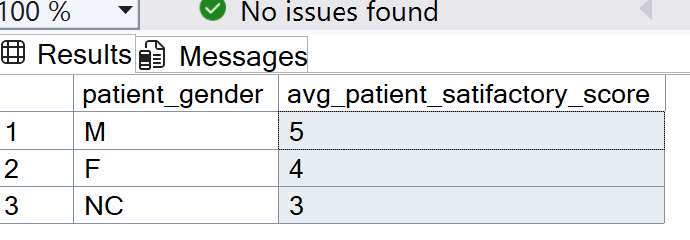
(patient\_gender) as patient\_gender,

AVG (patient\_sat\_score) as avg\_patient\_satifactory\_score

FROM [Hospital ER]

GROUP BY patient\_gender

ORDER BY avg\_patient\_satifactory\_score DESC;

****

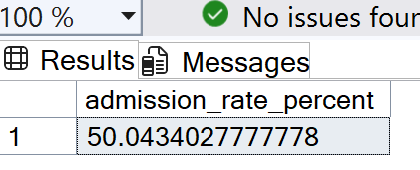
1. **patient Admission Rate**

SELECT

CAST(SUM(CASE WHEN patient\_admin\_flag = 1 THEN 1 ELSE 0 END) AS FLOAT)

/ COUNT(\*) \* 100 AS admission\_rate\_percent

FROM [Hospital ER];

****

1. **Count Admissions vs. Discharges**

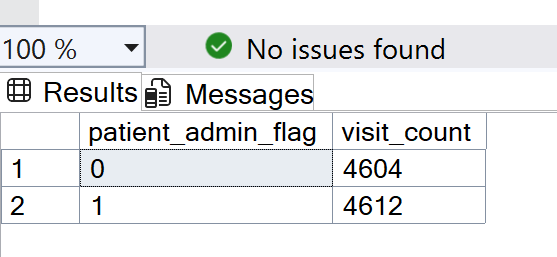
SELECT

patient\_admin\_flag,

COUNT(\*) AS visit\_count

FROM [Hospital ER]

GROUP BY patient\_admin\_flag;

****

1. **Admitted vs. Not admitted BY Department\_referral**

SELECT

department\_referral,

SUM(CASE WHEN patient\_admin\_flag = 1 THEN 1 ELSE 0 END) AS admitted\_count,

SUM(CASE WHEN patient\_admin\_flag = 0 THEN 1 ELSE 0 END) AS not\_admitted\_count,

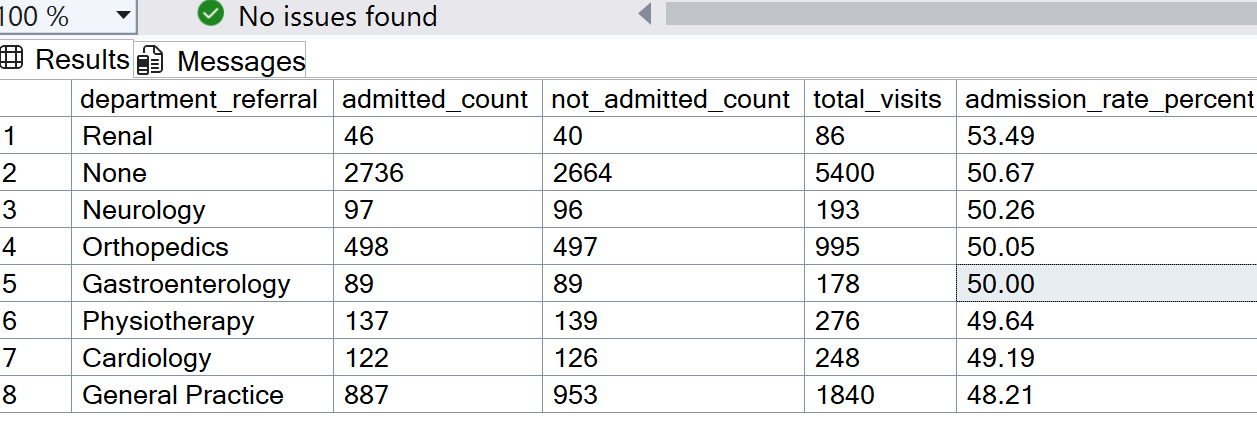
COUNT(\*) AS total\_visits,

CAST(SUM(CASE WHEN patient\_admin\_flag = 1 THEN 1 ELSE 0 END) \* 100.0 / COUNT(\*) AS DECIMAL(5,2)) AS admission\_rate\_percent

FROM [Hospital ER]

GROUP BY department\_referral

ORDER BY admission\_rate\_percent DESC;

****