

OCD Patient Data Queries

1. Count & Pct of F vs M that have OCD & Average Obsession Score by Gender

WITH data AS (

SELECT

gender,

COUNT(patient_id) AS patient_count,

ROUND(AVG(ybocs_score_obsessions), 2) AS avg_obs_score

FROM ocd_patients

GROUP BY gender

)

SELECT

SUM(CASE WHEN gender = 'Female' THEN patient_count ELSE 0 END) AS count_female,

SUM(CASE WHEN gender = 'Male' THEN patient_count ELSE 0 END) AS count_male,

ROUND(

SUM(CASE WHEN gender = 'Female' THEN patient_count ELSE 0 END) * 100.0 /

NULLIF(SUM(patient_count), 0), 2

) AS pct_female

FROM data;

2. Count of Patients by Ethnicity and their respective Average Obsession Score

SELECT

ethnicity,

COUNT(patient_id) AS patient_count,

```
ROUND(AVG(ybocs_score_obsessions), 2) AS avg_obs_score  
FROM health_data.oed_patient_dataset  
GROUP BY ethnicity  
ORDER BY patient_count;
```

3. Number of people diagnosed with OCD MoM

```
SELECT  
    TO_CHAR(oed_diagnosis_date, 'YYYY-MM-01 00:00:00') AS month,  
    COUNT(patient_id) AS patient_count  
FROM health_data.oed_patient_dataset  
GROUP BY month  
ORDER BY month;
```

4. What is the most common Obsession Type (Count) & it's respective Average Obsession Score

```
SELECT  
    obsession_type,  
    COUNT(patient_id) AS patient_count,  
    ROUND(AVG(ybocs_score_obsessions), 2) AS avg_obs_score  
FROM health_data.oed_patient_dataset  
GROUP BY obsession_type  
ORDER BY patient_count;
```

5. What is the most common Compulsion type (Count) & it's respective Average Obsession Score

```
SELECT
    compulsion_type,
    COUNT(patient_id) AS patient_count,
    ROUND(AVG(ybocs_score_obsessions), 2) AS avg_obs_score
FROM health_data.ocd_patient_dataset
GROUP BY compulsion_type
ORDER BY patient_count;
```