# -- 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(`Y-BOCS Score (Obsessions)`),2) as avg\_obs\_score

FROM health\_data.ocd\_patient\_dataset

Group By 1

Order by 2

)

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)/

  (sum(case when Gender = 'Female' then patient\_count else 0 end)+sum(case when Gender = 'Male' then patient\_count else 0 end)) \*100,2)

   as pct\_female,

    round(sum(case when Gender = 'Male' then patient\_count else 0 end)/

  (sum(case when Gender = 'Female' then patient\_count else 0 end)+sum(case when Gender = 'Male' then patient\_count else 0 end)) \*100,2)

   as pct\_male

from data

;

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

select

  Ethnicity,

  count(`Patient ID`) as patient\_count,

  avg(`Y-BOCS Score (Obsessions)`) as obs\_score

From health\_data.ocd\_patient\_dataset

Group by 1

Order by 2;

# -- 3. Number of people diagnosed with OCD MoM

# -- alter table health\_data.ocd\_patient\_dataset

# -- modify `OCD Diagnosis Date` date;

select

date\_format(`OCD Diagnosis Date`, '%Y-%m-01 00:00:00') as month,

-- `OCD Diagnosis Date`

count(`Patient ID`) patient\_count

from health\_data.ocd\_patient\_dataset

group by 1

Order by 1

;

# -- 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(`Y-BOCS Score (Obsessions)`),2) as obs\_score

from health\_data.ocd\_patient\_dataset

group by 1

Order by 2

;

# -- 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(`Y-BOCS Score (Obsessions)`),2) as obs\_score

from health\_data.ocd\_patient\_dataset

group by 1

Order by 2

;