

# Patient Demographics & PCOS Overview



2000

Total Patients



14.55%

PCOS %



25.98

Avg BMI



6.64

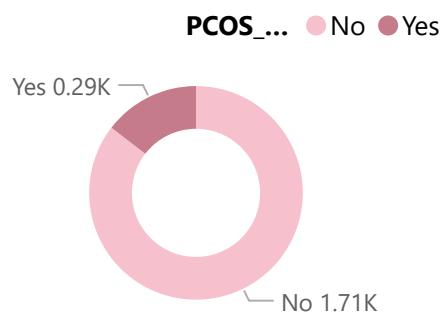
Avg Sleep



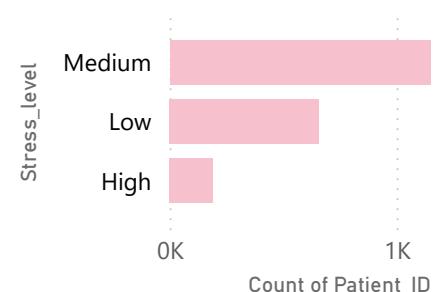
1.36

Avg LH\_FSH Ratio

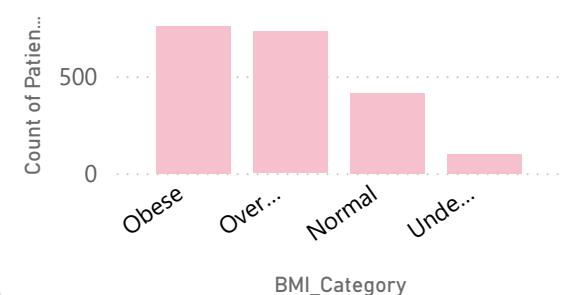
PCOS Diagnosis Distribution



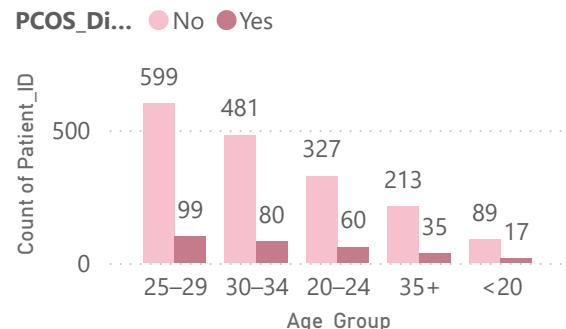
Stress Level Distribution Among Patients



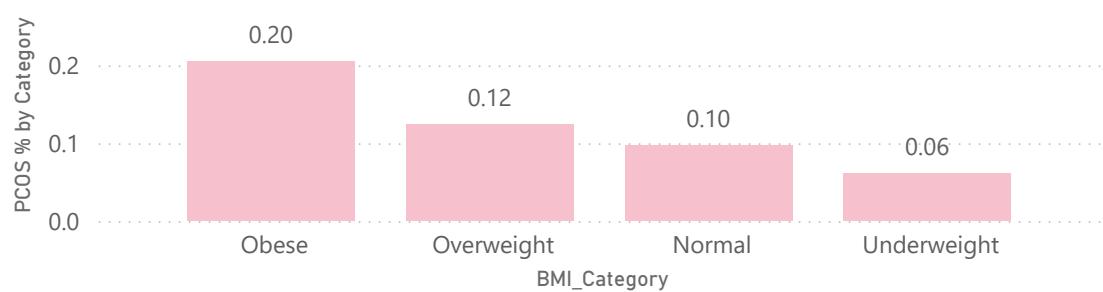
BMI Category Distribution of Patients



Age-wise PCOS Distribution



PCOS Prevalence by BMI Category



Age Group

All

PCOS (Yes/No)

All

City

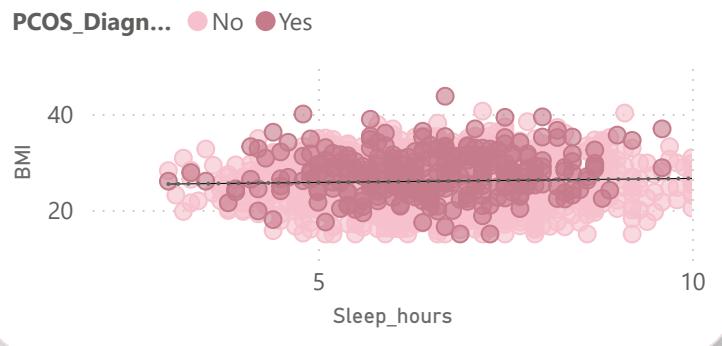
- Ahmedabad
- Bangalore
- Chennai
- Delhi
- Ghaziabad

Key Insights

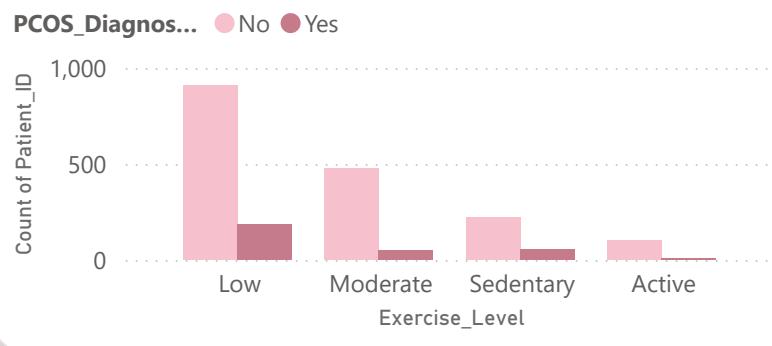
- PCOS prevalence is highest among overweight and obese patients
- Majority of patients report medium to high stress levels
- Average sleep duration is below recommended levels

# Lifestyle Patterns and Symptom Severity in PCOS

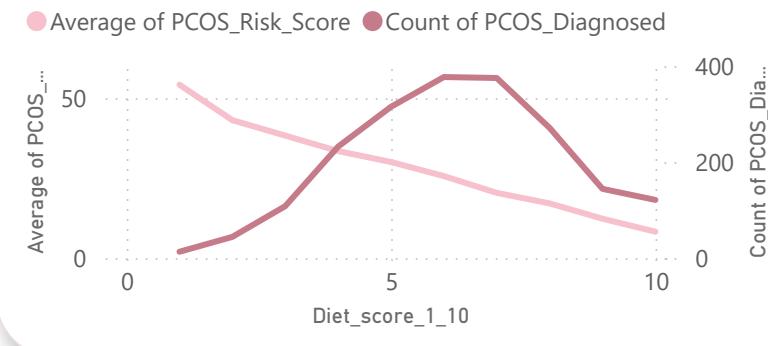
## Sleep Duration vs BMI (PCOS vs Non-PCOS)



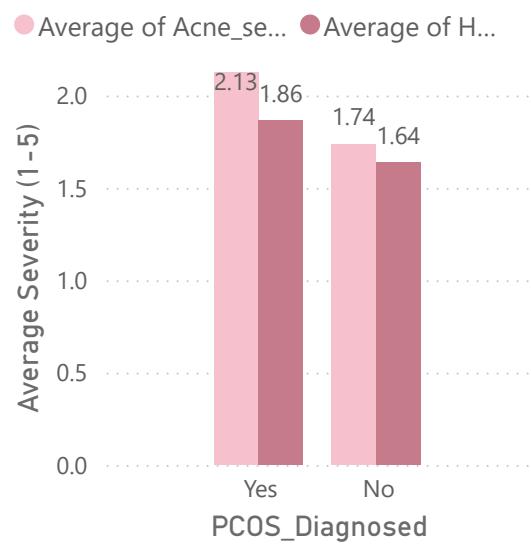
## Physical Activity Levels by PCOS Status



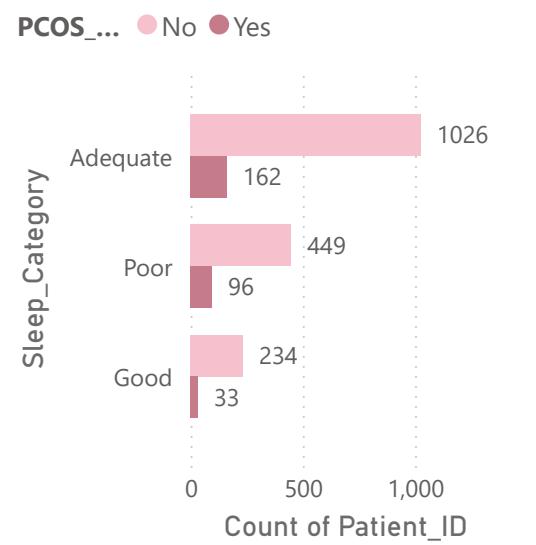
## Diet Quality and PCOS Risk Trend



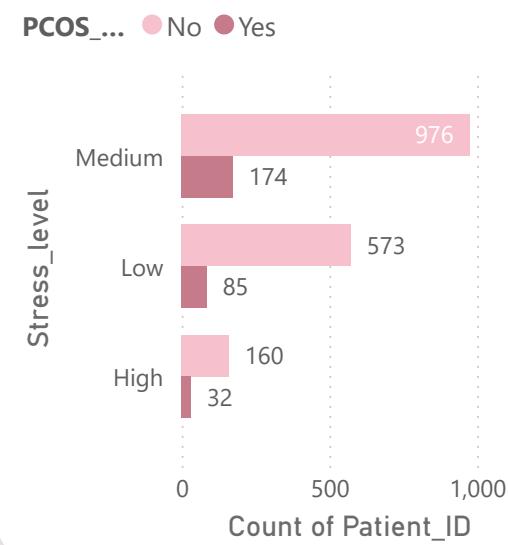
## Symptom Severity Comparison (Acne vs Hair Fall)



## Sleep Quality Distribution by PCOS Status



## Stress Levels Among PCOS and Non-PCOS Patients



## Age Group



## Key Insights

- PCOS patients show higher symptom severity across acne and hair fall
- Lower sleep quality and reduced physical activity are more common in PCOS
- Poor diet scores align with increased PCOS risk

# Hormonal Profile Comparison & PCOS Risk Assessment

Mean LH Level  
(mIU/mL)

**6.74**

Average of LH

Mean AMH Level  
(ng/mL)

**3.30**

Average of AMH

Mean FSH Level  
(mIU/mL)

**5.65**

Average of FSH

Mean Testosterone  
(ng/mL)

**0.77**

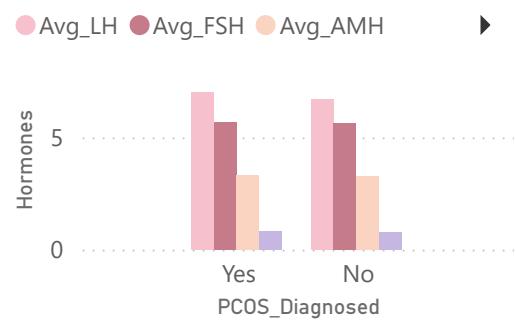
Average of Testosterone

Composite Hormonal  
Risk Score

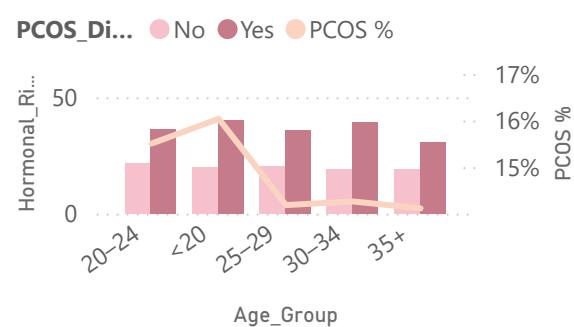
**22.31**

Hormonal\_Risk\_Score

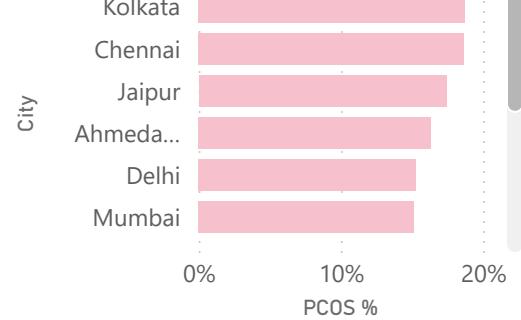
## Hormonal Marker Comparison by PCOS Status



## Age-wise Hormonal Risk & PCOS Prevalence



## PCOS Prevalence by City



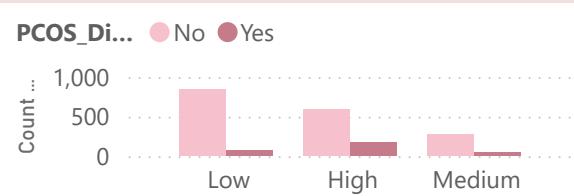
## Summary of Key Hormonal Markers (Patient Averages)

Hormone	Patient Average
Testosterone	0.77
LH/FSH Ratio	1.19
LH	6.74
FSH	5.65
AMH	3.30

## City-wise PCOS & Lifestyle Risk Profile

City	Total Patients	PCOS %	Avg Risk
Ahmedabad	159	16.35%	Medium
Bangalore	148	10.81%	Low
Chennai	166	12.67%	High

## PCOS Distribution Across Hormonal Risk Bands



## Select a City

- Ahmedabad
- Bangalore
- Chennai
- Delhi

## Key Hormonal Insights

- PCOS patients demonstrate elevated LH and LH/FSH ratios
- Testosterone levels are higher among diagnosed patients
- Hormonal risk scores cluster in medium-to-high risk bands