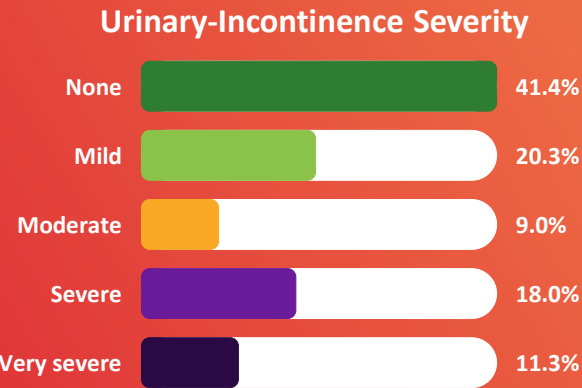


29% of women with endometriosis had severe or very severe UI.



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Lower urinary tract symptoms in women with endometriosis: a cross-sectional study and analysis of associated factors

Hypothesis & Aim

- Women with endometriosis may have a high frequency of LUTS, and clinical variables may influence their occurrence.
- Aim: assess LUTS and investigate associations between clinical variables and urinary incontinence.

Methods

- Cross-sectional analysis derived from a longitudinal study.
- Adult women with endometriosis followed at a specialized center.
- Variables: age, marital status, education, parity, waist circumference, BMI, physical activity, bowel function, and menstrual-cycle characteristics.
- Validated instruments: ICIQ-SF, ICIQ-FLUTS, and ICIQ-OAB.
- Multiple linear regression used ICIQ-SF score as the dependent variable; significance set at 5%.
- Ethics approval obtained; all participants provided written informed consent.

Table 1. Sociodemographic Data (N = 133)

Characteristic	Value
Age (mean ± SD)	33.8 ± 8.42 years
BMI (mean ± SD)	27.7 ± 6.14 kg/m²
Married / stable relationship	48.3%
Single	36.8%
Higher education	42.4%
Physically active	64.9%
Regular menstrual cycle	65.7%
Normal bowel function	80.0%

Disclosures

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Figure 1. Most frequently reported urinary leakage situations among participants

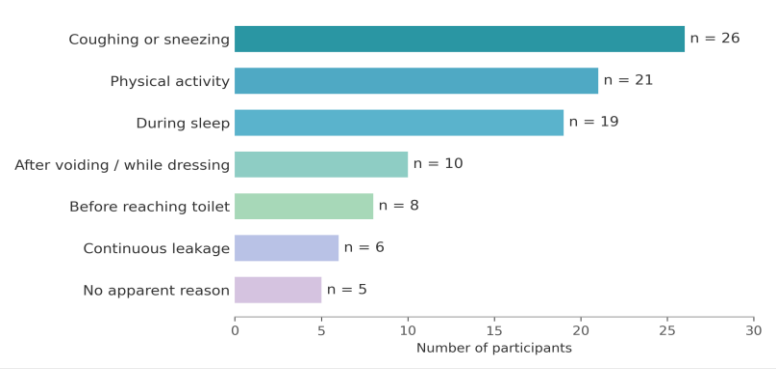


Table 2. Predictors of ICIQ-SF Score: multiple regression

Clinical variable	β	p
Age	-0.16	0.565
Parity	0.26	0.924
Waist circumference	0.39	0.184
Physical activity	1.15	0.821
Bowel function	1.37	0.917
Menstrual cycle	2.88	0.721

No statistically significant associations were found. Model: R² = 0.4286; F = 0.875; p = 0.556.

Interpretation

Stress-type leakage (coughing/sneezing, activity) was most frequent, alongside urgency episodes and higher storage scores.

Conclusion

- Predominantly absent or mild LUTS.
- Severe/very severe incontinence remained clinically relevant.
- Storage-predominant, mixed stress and urgency features.
- No significant association with clinical variables assessed.
- Interpret cautiously — small sample for inferential analysis.

References

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