

SUPPLEMENTARY FILE

Supplementary Table: Stepwise Sample-Size Calculation

Parameter	Value	Explanation / Reference
Prevalence (P)	26.7% (0.267)	Kirubasankar M et al. (Ref. 13)
$Q = 1 - P$	73.3% (0.733)	Derived
Confidence Level	95%	Standard for prevalence studies
Z value	1.96	Corresponds to 95% CI
Z^2	3.8416	Computed as 1.96^2
Absolute Precision (L)	4% (0.04)	Chosen for narrower confidence limits
Formula Used	$n = Z^2 \times P \times Q / L^2$	Single-population proportion formula
Calculated Sample Size (n)	470	Rounded from 469.9
Non-response Rate Added	20%	Based on Previous institutional survey experience (15-22%)
Final Required Sample Size	564	470×1.20
Final Study Sample Enrolled	650	Oversampling for incomplete data & subgroup analysis