

Epidemiology of Autosomal Dominant Polycystic Kidney Disease in the north Riyadh area



ADPKD: A Growing Local Burden

Progressive disorder: renal cysts & extrarenal complications.

Riyadh shows significantly higher prevalence.



Community-Based Ultrasound Screening



420 individuals screened for bilateral renal cysts.



Comprehensive Clinical Evaluation

Positive cases: imaging, lab tests, clinical exams.



7.5%

Community Prevalence

33 out of 420 screened individuals.

75 per 1,000 Individuals

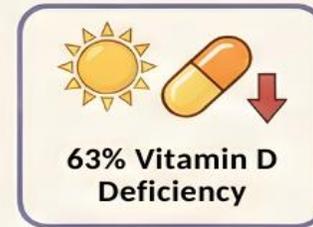
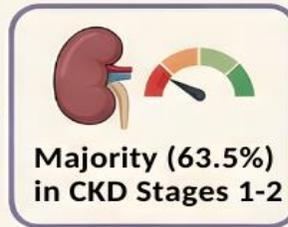
Markedly exceeds international estimate of 1 per 1,000.



Demographic Distribution

61% Female **39%** Male

Majority of cases in 30–59 age range



Clinical Profile of Positive Cases



Urgent Need for Screening

Community-level programs are required to enable early detection, risk stratification, and timely management.

Conclusion: ADPKD prevalence in North Riyadh substantially exceeds international estimates. Community screening enables early CKD detection and vital risk stratification.

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