

A Population-Based Survey on Human Infertility in District Lakki Marwat Khyber Pakhtunkhwa, Pakistan

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SUPPLEMENTARY

Supplementary Table S1: Parental marriage types and familial attributes.

Variable	Parental marriage type		
	Consanguineous	Non-consanguineous	All marriages
Gender			
Male	12	36	48
Female	31	81	112
Total cases	44	116	160
%age	27.50%	72.50%	100%
	$\chi^2=0.15226$; df= 1 p=0.69638; NS		
Familial attributes			
Familial	6	14	20
Sporadic	37	103	140
Total	60	100	160
	$\chi^2=7.8029$; df= 1 p=0.00533; NS		

Supplementary Table S2: Demographic distribution of 160 index subjects with infertility anomalies.

Demographic variables	Gender		Familial attributes		Isolated/syndromic nature		Total
	Male	Female	Familial	Sporadic	Isolated	Syndromic	
Origin (n=160)							
Rural	42	99	17	124	124	17	141
Urban	6	13	3	16	14	5	19
Total	48	112	20	140	138	22	160

	$\chi^2=0.0256$; df=1 p=0.8728; NS		$\chi^2=0.2133$; df=1 p=0.6441;		$\chi^2=2.8706$; df=1		
Age range							
16-25	4	21	1	24	22	3	25
26-35	24	59	11	72	72	11	83
36-45	13	28	7	34	34	7	41
46-55	7	4	1	10	10	1	11
Total	48	112	20	140	138	22	160
	$\chi^2=8.3641$; df=3 p=0.03907; NS		$\chi^2=2.59531$; df=3 p=0.45831; NS		$\chi^2=17.8276$; df=3 p=0.00062; NS		
Economic status (n=160)							
Poor	27	60	8	79	77	10	87
Mid	17	45	9	53	55	7	62
High-mid	4	7	3	8	6	5	11
Total	48	112	20	140	138	22	160
	$\chi^2=0.45308$; df=2 p=0.92907; NS		$\chi^2=3.29387$; df=2 p=0.3485; NS		$\chi^2=4.547609$; df=2 p=0.01846; NS		
Family type							
One-couple	16	29	6	39	38	7	45
Nuclear	32	83	14	101	100	15	115
Total	48	112	20	140	138	22	160
	$\chi^2=0.902017$; df=1 p=0.3374; NS		$\chi^2=0.0397$; df=1 p=0.84197; NS		$\chi^2=0.17211$; df=1 p=0.67825; NS		
Occupation (age $\geq$ 16)							
Employed	16	1	3	14	16	1	17
Unemployed	32	111	17	126	122	21	143
Total	48	112	20	140	138	22	160
	$\chi^2=37.2364$; df=1 p=1.0463;		$\chi^2=0.46072$;		$\chi^2=0.9928$;		
Literacy level (age							
Illiterate	8	93	11	90	71	10	101
Literate (all)	40	19	9	50	47	12	49
Primary (1-5)	0	2	0	2	1	1	2
Middle (6-8)	4	3	3	4	6	1	7
High schooling (9-	20	11	5	26	23	8	31
Graduation and Higher	16	3	1	18	17	2	19
Subtotal	48	112	20	140	138	22	160
	$\chi^2=219.31$; df=5 p=2.0782; NS		$\chi^2=394.97$; df=5		$\chi^2=196.181$; df=5		