

Supplement 1

					South	Middle	North	p-Value
Gender	Male	OXA gene	Negative	7 (63.63%)	4 (36.4%)	0	11 (100%)	0.082
			Positive	9 (50%)	5 (16.7%)	6 (33.3%)	18 (100%)	
		Total		16 (55.2%)	7 (24.1%)	6 (20.7%)	29 (100%)	
	Female	OXA gene	Negative	11 (47.8%)	11 (47.8%)	1 (4.3%)	23 (100%)	0.074
			Positive	19 (50%)	10 (26.3%)	9 (23.7%)	38 (100%)	
		Total		30 (49.2%)	21 (34.4%)	10 (16.4%)	61 (100%)	
	Total	OXA gene	Negative	18 (52.9%)	15 (44.1%)	1 (2.9%)	34 (100%)	0.008
			Positive	28 (50%)	13 (23.2%)	15 (26.8%)	56 (100%)	
	Age	1-10 years	blaOXA gene	Negative	3 (60%)	2 (40%)	0 (0%)	5
Positive				7 (63.64%)	0 0%	4 (36.36%)	11	
Total				10	2	4	16	
11-30 years		blaOXA gene	Negative	3 (60.00%)	2 (40.00%)	0 (00.00%)	5	0.478
			Positive	5 (55.55%)	2 (22.22%)	2 (22.22%)	9	
		Total		8	4	2	14	
31-50 years		blaOXA gene	Negative	3 (50.00%)	2 (33.33%)	1 (16.67%)	6	1
			Positive	6 (50.00%)	4 (33.33%)	2 (16.67%)	12	
		Total		9	6	3	18	
51-70 years		blaOXA gene	Negative	4 (50.00%)	4 (50.00%)	0	8	0.223
			Positive	8 (50.00%)	4 (25.00%)	4 (25.00%)	16	
		Total		12	8	4	24	
71-90 years		blaOXA gene	Negative	5 (50.00%)	5 (50.00%)	0	10	0.099
			Positive	2 (25.00%)	3 (37.5%)	3 (37.5%)	8	
		Total		7	8	3	18	
Total		blaOXA gene	Negative	18 (52.94%)	15 (44.11%)	1 (2.94%)	34	0.008
			Positive	28 (50.00%)	13 (23.21%)	15 (26.79%)	56	
		Total		46	28	16	90	

Hospital name		Value	95% Confidence Interval	
			Lower	Upper
Hospital 1	Odds Ratio for OXA gene (Negative / Positive)	1.250	.095	16.503
	For cohort Gender = Male	1.167	.205	6.629
	For cohort Gender = Female	.933	.401	2.172
	N of Valid Cases	24		
Hospital 2	Odds Ratio for OXA gene (Negative / Positive)	.889	.144	5.479
	For cohort Gender = Male	.933	.325	2.684
	For cohort Gender = Female	1.050	.490	2.252
	N of Valid Cases	22		
Hospital 3	Odds Ratio for OXA gene (Negative / Positive)	1.212	.216	6.800
	For cohort Gender = Male	1.156	.315	4.239
	For cohort Gender = Female	.953	.622	1.460
	N of Valid Cases	28		
Hospital 4	For cohort Gender = Female	2.250	1.084	4.671
	N of Valid Cases	10		
Hospital 5	Odds Ratio for OXA gene (Positive / .)	. ^a		
Total	Odds Ratio for OXA gene (Negative / Positive)	1.010	.406	2.512
	For cohort Gender = Male	1.007	.543	1.866
	For cohort Gender = Female	.997	.743	1.338
	N of Valid Cases	90		

a. No statistics are computed because OXA gene is a constant.