

Supplemental Tables

Table 3: Bivariate and multivariable analysis of factors associated with physician knowledge of telesurgery in Specialized Referral Hospitals, Amhara Region, Northwest Ethiopia (2022/23) (n=408)

VariableValues			Knowledge		OR (95% CI)		P-value
			Poor (%)	Good (%)	COR (95% CI)	AOR (95% CI)	
Age Group	24-34Years		186 (57.2)	139 (42.8)	1	1	
	>34Years		27 (32.5)	56 (67.5%)	2.78 (1.67-4.62)*	2.25 (1.005-5.03)*	0.049*
Educational status	General Practitioner		199 (59.9)	133 (40.1)	1	1	
	Resident		11 (23.4)	36 (76.6)	4.9 (2.41-9.96)*	2.27 (0.89-5.78)	0.087
	Specialist		3 (10.3)	26 (89.7)	12.97 (3.85-43.7)*	8.36 (1.93-36.3)*	0.005**
Working Experience	<1year		90 (84.9)	16 (15.1)	1	1	
	1-5years		101 (46.8)	115 (53.2)	6.41 (3.5-11.61)*	3.1 (1.32-7.26)*	0.009**
	>5Years		22 (25.6)	64 (74.4)	16.36 (7.97-33.6)*	6.34 (2.37-16.95)*	0.001**
Digital Literacy	Poor		169 (73.8)	60 (26.2%)	1	1	
	Good		44 (24.6)	135 (75.4)	8.64 (5.51-13.55)*	3.80 (2.08-6.95)*	0.001**
Source of info.	Professional training	No	170 (73.6)	61 (26.4)	1	1	
		Yes	43 (24.3)	134 (75.7)	8.69 (5.5-13.64)*	4.25 (2.31-7.807)*	0.001**
	Internet (Social media, etc.)	No	158 (63.2)	92 (36.8)	1	1	
		Yes	55(35.0)	102 (65.0)	3.19 (2.1-4.83)*	1.90 (1.02-3.539)*	0.042*
Basic computer training	No		176 (64.0)	99 (36.0)	1	1	
	Yes		37 (27.8)	96 (72.2)	4.61 (2.94-7.25)*	2.23 (1.26-5.57)*	0.0068**
e-Health/Digital health training	No		187 (61.1)	119 (38.9)	1	1	
	Yes		26 (25.5)	76 (74.5)	4.59 (2.78-7.58)*	2.72 (2.62-8.06)*	0.0028**
Trained staff available on telesurgery	No		193 (54.4)	162 (45.6)	1	1	
	Yes		20 (37.7)	33 (62.3)	1.97 (1.09-3.56)*	2.12 (1.01-5.24)*	0.0079**
Internet in access in the organization	No		103 (74.6)	35 (25.4)	1	1	
	Yes		110 (40.7)	160 (59.3)	4.28 (2.72-6.74)*	2.25 (1.16-4.37)*	0.017**
Note: AOR = Adjusted Odd Ratio, COR = Curd Odd Ratio, * = P-value < 0.05 & ** = P-value < 0.01							

Table 4: Bivariate and multivariable analysis of factors associated with physician attitude towards telesurgery in Specialized Referral Hospitals, Amhara Region, Northwest Ethiopia (2022/23) (n=408)

Variable		Values	Attitude		OR (95% CI)		P-value
			Poor (%)	Good (%)	COR (95% CI)	AOR (95% CI)	
Age Group	24-34Years		193 (59.4)	132 (40.6)	1	1	0.068
	>34Years		39 (47.0)	44 (53.0)	1.65 (1.0-2.68)*	0.46 (0.20-1.06)	
Educational status	General Practitioner		217 (65.4)	115 (34.6)	1	1	0.005 0.012
	Resident		12 (25.5)	35 (74.5)	5.5 (2.75-11.01)*	4.02 (1.5-10.73)*	
	Specialist		3 (10.3)	26 (89.7)	16.35 (4.85-55.2)*	7.87 (1.56-39.66)*	
Job experience	<1year		88 (83.0)	18 (17.0)	1	1	0.876 0.030
	1-5years		117 (54.2)	99 (45.8)	4.14 (2.3-7.34)	0.93 (0.39-2.23)	
	>5Years		27 (31.4)	59 (68.6)	10.68 (5.40-21.12)	3.09 (1.12-8.55)*	
Digital Literacy	Poor		178 (77.7)	51 (22.3)	1	1	0.002
	Good		54 (30.2)	125 (69.8)	8.1 (5.17-12.62)*	2.82 (1.47-5.41)*	
Technology use	Unable to use		160 (68.4)	74 (31.6)	1	1	0.017
	Able to use		72 (41.4)	102 (58.6)	3.06 (2.04-4.61)*	2.25 (1.16-4.38)*	
Motivation	Poor		150 (66.1)	77 (33.9)	1	1	0.617
	Good		82 (45.3)	99 (54.7)	2.35 (1.57-3.51)*	1.199 (0.59-2.4)	
Confidence	Poor		131 (65.2)	70 (34.8)	1	1	0.632
	Good		101 (48.8)	106 (51.2)	1.96 (1.32-2.92)*	0.845 (0.42-1.69)	
Basic computer training	No		198 (72.0)	77 (28.0)	1	1	0.0001
	Yes		34 (25.6)	99 (74.4)	7.49 (4.68-11.98)*	3.48 (1.79-6.78)*	
e-Health/Digital health training	No		205 (67.0)	101 (33.0)	1	1	0.023
	Yes		27 (26.5)	75 (73.5)	5.64 (3.42-9.3)*	2.50 (1.14-5.5)*	
Trained staff available on telesurgery	No		208 (58.6)	147 (41.4)	1	1	0.539
	Yes		24 (45.3)	29 (54.7)	1.7 (0.96-3.06)	1.29 (0.57-2.93)	
Computer access in the organization	No		188 (66.9)	93 (33.1)	1	1	0.005
	Yes		44 (34.6)	83 (65.4)	3.8 (2.451-5.9)*	3.32 (1.42-7.72)*	
Internet in access in the organization	No		112 (81.2)	26 (18.8)	1	1	0.019
	Yes		120 (44.4)	150 (55.6)	5.4 (3.3-8.79)*	2.26 (1.14-4.46)*	
Knowledge	Poor		177 (83.1)	36 (16.9)	1	1	0.0001
	Good		55 (28.2%)	140 (71.8)	12.5 (7.78-20.13)*	4.79 (2.34-9.79)*	
Note: AOR = Adjusted Odd Ratio, COR = Curd Odd Ratio, * = P-value < 0.05 & ** = P-value < 0.01							