

Additional file 1: Bi variable and Multivariable logistic regression analysis of factors associated with post-cesarean section surgical site infection at primary hospitals of east Gojjam zone, northwestern Ethiopia, 2020.

Variables	Category	Post CS		COR(95% CI)	AOR(95%CI	P Value
		SSI				
		Yes	No			
Residence	Urban	20	240	1	1	
	Rural	57	305	2.243(1.311,3.836)**	2.304(1.295,4.098)	0.005
Membrane status	Intact	20	265	1	1	
	Ruptured<12hrs	28	212	1.75(.959,3.194)	1.427(0.752,2.706)	.277
	Ruptured≥ 12hrs	29	68	5.651(3.013,10.598)***	4.609(2.336,9.094)	.000
Labor status	Not labor	10	112	1	1	
	Labor ≤24 hrs.	36	358	1.126(.542,2.342)	.922(0.421,2.020)	.838
	Labor >24 hrs.	31	75	4.629(2.142,10.003)***	3.477(1.495,8.086)	.004
Parity	Primi Para	28	254	1	1	
	Multy Para	40	266	1.364(.817,2.278)	1.300 (0.695,2.433)	.411
	Grand multyPara	9	25	3.266(1.387,7.687)**	2.2510(0.723,7.011)	.162
Duration of Operation	< 1hr	53	449	1	1	
	≥1hr	24	96	2.118(1.246,3.599)**	1.596(0.872,2.921)	.129
Age	<30 years	42	358	1	1	
	≥30 years	35	187	1.595(.985,2.584)	1.085(.574,2.050)	.803
Hypertension	Yes	9	23	3.067(1.363,6.901)**	3.135(1.294,7.593)	.011
	No	68	522	1	1	
APH	Yes	7	23	2.270(.939,5.483)	1.823 (.588,5.651)	.298
	No	70	522	1	1	

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Preoperative	$\geq 30\%$	68	527	1	1	
HCT	$< 30\%$	9	18	3.3.875(1.674,8.968)**	3.221(1.249,8.309)	.016
Length of	< 8 days	57	441	1	1	
hospital	≥ 8 days	20	104	1.488(.856,2.585)	1.698(0.920,3.135)	.090
Stay						

KEY: **=P value < 0.01 and ***=p value<0.001 at Bi variable analysis.