

Supplemental table 1: Neonatal related factors admitted to NICU of public hospitals of East Wollega Zone, western Ethiopia, February-April 2020

Variables	Cases n=73(%)	Controls n=176(%)	Total n=219(%)	Crude OR (95% CI)	p-value
Sex of the new born					
Male	38(52.1)	74(50.7)	112(51.1)	1.06(0.60,1.85)	0.85
Female	36(49.3)	72(49.3)	107(48.9)	1	
Age of the new born					
< 1 day	17(23.3)	22(15.1)	39(17.8)	1.75(0.80,3.80)	0.16*
1-3 day	29(39.7)	63(43.2)	92(42)	1.04(0.55,1.96)	0.90
> 3 day	27(37)	61(41.8)	88(40.2)	1	
Weight of newborn					
<2500 g	30(41.1)	12(8.2)	42(19.2)	7.79(3.67,16.53)	0.01*
≥ 2500 g	43(58.9)	134(91.8)	177(80.8)	1	
Gestational age					
< 37 weeks	26(35.6)	18(12.3)	44(20.1)	3.93(1.98,7.83)	0.01*
≥ 37 weeks	47(64.4)	128(87.7)	175(79.9)	1	
CPR done at birth					
Yes	64(87.7)	70(47.9)	134(61.2)	7.72(3.58,16.67)	0.01*
No	9(12.3)	76(52.1)	85(38.8)	1	
Neonatal medical problem					
Yes	35(47.9)	89(61.0)	124(56.6)	0.59(0.33,1.04)	0.07*
No	38(52.1)	57(39)	95(43.4)	1	
Type of medical problems					
Neonatal sepsis	6(17.1)	18(20.2)	24(19.4)	1	
Birth asphyxia	18(51.4)	40(44.9)	58(46.8)	1.35(0.46,3.97)	0.59
Respiratory disease	11(31.4)	31(34.8)	42(33.9)	1.07(0.34,3.37)	0.92

*Variables that showed significant association during bivariable analysis

Supplemental table 2: Neonatal caring practice related factors among neonates admitted to NICU of public hospitals of East Wollega Zone, western Ethiopia February-April 2020

Variables	Cases n=73(%)	Controls n=176(%)	Total n=219(%)	Crude OR (95% CI)	p-value
Initiation of breast feeding					
Immediately	16(21.9)	81(55.5)	97(44.3)	1	
Within 1 hour	10(13.7)	39(26.7)	49(22.4)	1.30(0.54,3.12)	0.56
After 1 hour	47(64.4)	26(17.8)	73(33.3)	9.15(4.46,18.78)	0.01*
Skin to skin contact present					
Yes	29(39.7)	128(87.7)	157(71.7)	1	
No	44(60.3)	18(12.3)	62(26.5)	10.79(5.46,21.31)	0.01*
Baby kept apart from mother for > 15 min					
Yes	27(37.0)	32(21.9)	59(26.9)	3.87(2.12,7.07)	0.02*
No	46(63.0)	114(78.1)	160(73.1)	1	
Baby body dried at birth					
Yes	67(91.8)	133(91.1)	200(91.3)	1	
No	6(8.2)	13(8.9)	19(8.7)	1.09(0.39,3.00)	0.87
Baby Bathed within 24 hr					
Yes	14(19.2)	6(4.1)	20(9.1)	5.54(2.03,15.10)	0.001*
No	59(80.8)	140(95.9)	199(90.9)	1	
Head covered with cap					
Yes	43(58.9)	120(82.2)	163(74.4)	1	
No	30(41.1)	26(17.8)	56(25.6)	3.22(1.72,6.05)	0.01*

*Variables that showed significant association during bivariable analysis