

Table: Obstetric, Labor, and Delivery-Related Characteristics of Mothers Whose Preterm Newborns Were Admitted to the NICU of Comprehensive Specialized Hospitals in Northeastern Ethiopia, 2024 (n=350)

Variables	Death	Censored	log-rank test
Parity			$X^2= 0.79$ (p-value= 0.3728)
primipara	77(49.0%)	83(43.0%)	
multipara	80(51.0%)	110(57.0%)	$X^2= 0.49$ (p-value= 0.484)
ANC visit			
Yes	155(98.7%)	192(99.5%)	$X^2= 7.68$ (p-value= 0.0531)
No	2(1.3%)	1(0.5%)	
Frequency of ANC visit			$X^2= 8.07$ (p-value= 0.0045)
once	3(1.9%)	8(4.1%)	
twice	38(24.5%)	47(24.4%)	$X^2= 3.25$ (p-value= 0.0714)
three	71(45.8%)	100(51.8%)	
≥ 4	43(27.7%)	38(19.7%)	$X^2= 0.01$ (p-value= 0.9321)
Had intrapartum fever			
Yes	3(1.9%)	22(11.4%)	$X^2= 0.07$ (p-value= 0.9653)
No	154(98.1%)	171(88.6%)	
Onset of labor			$X^2= 3.83$ (p-value= 0.1477)
spontaneous	134(85.4%)	153(79.3%)	
induced	23(14.6%)	40(20.7%)	$X^2= 2.16$ (p-value= 0.1418)
Labor time			
normal labor	139(88.5%)	171(88.6%)	$X^2= 1.10$ (p-value= 0.2943)
prolonged labor	18(11.5%)	22(11.4%)	
Place of delivery			$X^2= 2.47$ (p-value= 0.1161)
Home	9(5.7%)	8(4.1%)	
Health center	14(8.9%)	24(12.4%)	$X^2= 0.06$ (p-value= 0.8080)
Hospital	134(85.4%)	161(83.4%)	
Mode of delivery			$X^2= 0.04$ (p-value= 0.8360)
SVD	113(72.0%)	123(63.7%)	
Instrumental delivery	3 (1.9%)	8 (4.1%)	$X^2= 0.04$ (p-value= 0.8360)
CS	41(26.1%)	62(32.1%)	
Had PROM			$X^2= 2.47$ (p-value= 0.1161)
Yes	61(38.9%)	61(31.6%)	
No	96(61.1%)	132(68.4%)	$X^2= 1.10$ (p-value= 0.2943)
Chorioamnionitis			
Yes	12(7.6%)	21(10.9%)	$X^2= 0.06$ (p-value= 0.8080)
No	145(92.4%)	172(89.1%)	
Had history of STI during pregnancy			$X^2= 0.04$ (p-value= 0.8360)
Yes	1(0.6%)	0(0.0%)	
No	156(99.4%)	193(100.0%)	
Had Diagnosed gestational HTN			
Yes	64(40.8%)	68(35.2%)	
No	93(59.2%)	125(64.8%)	
Had gestational DM			
Yes	2(1.3%)	3 (1.6%)	
No	154(98.7%)	190 (98.4%)	

Had placenta abnormality			X ² = 0.54 (p-value= 0.4609)
Yes	6(3.8%)	8 (4.1%)	
No	151(96.2%)	185(95.9%)	
Had APH			X ² = 0.38 (p-value= 0.5401)
Yes	14(8.9%)	22(11.4%)	
No	143(91.1%)	171(88.6%)	
VDRL test result			X ² = 1.91 (p-value= 0.3849)
non-reactive	110(70.1%)	139(72.0%)	
reactive	0 (0.0%)	2(1.0%)	
unknown status	47(29.9%)	52(26.9%)	
HIV test result			X ² = 0.99 (p-value= 0.6105)
non-reactive	109(69.4%)	139(72.0%)	
reactive	1(0.6%)	1(0.5%)	
unknown status	47(29.9%)	53(27.5%)	
Hepatitis B test result			X ² = 4.22 (p-value= 0.1214)
non-reactive	101(64.74%)	131(67.9%)	
reactive	1(0.64%)	7(3.6%)	
unknown status	54(34.6%)	55(28.5%)	
Had RH incompatibility			X ² = 4.22 (p-value= 5.05)
Yes	4(2.5%)	15(7.8%)	
No	153(97.5%)	178(92.2%)	
Mother has taken dexamethasone for newborn lung maturity			X ² =3.93 (p-value= 0.0474)
Yes	4(2.5%)	14(7.3%)	
No	153(97.5%)	179(92.7%)	