

Variables	Log-rank test
Maternal age	$\chi^2=5.37$ (p-value=0.034)
15-19 years	
20-24 years	
25-29 years	
30-34 years	
≥ 35 years	
Gestational age	$X^2= 25.50$ (p-value= 0.0000)
Early preterm	
Mid preterm	
Late preterm	
Number of gestations	$X^2= 7.06$ (p-value= 0.0293)
Single	
Twins and Triple	
Weight classification	$X^2= 21.17$ (p-value= 0.0000)
Extremely & very LBW	
LBW	
RDS	$X^2= 49.42$ (p-value= 0.0000)
Yes	
No	
Congenital anomalies	$X^2= 11.04$ (p-value= 0.000)
Yes	
No	
Diagnosed NEC	$X^2= 8.17$ (p-value= 0.0043)
Yes	
No	
Types of respiratory support(n=274)	$X^2=7.40$ (p-value=.0247)

CPAP

INO2

Both

KMC

$X^2=142.69$ (p-value=.000)

Yes

No

Overall global test ($\chi^2 = 12.42$, p-value = 0.456)