Predictors of household ownership of any net

$Predictors	COMBINED Model A* (n=4186)# **OR	95% CI**	P-value	$Predictors	URBAN Model B§ South (n=589)# ^OR	95% CI	P-value	North (n=891)# ^OR	95% CI	P-value	$Predictors	RURAL Model C† South (n=1587)# †OR	95% CI	P-value	North (n=1119)# †OR	95% CI	P-value
U5 child in The HH++				Education							U5 child in the HH						
No	1.00			No	-	-		1.00			No	1.00			-		
Yes	1.60	1.40–1.90	<0.0001	Yes	-	-		1.42	1.02-1.98	<0.0001	yes	1.74	1.36-2.23	<0.0001	-	-	-
Family size∞	2.23	1.57-3.18	<0.0001	Urban WI	-	-	-	1.28	1.09-1.50	0.003	Family size∞	3.59	1.91-6.76	<0.0001	2.71	1.43-5.11	0.002
Residence				Health facility							Health facility						
Urban	1.00			Absent	1.00			1.00			Absent	1.00			-		
Rural	1.26	1.05-1.52	0.021	Present	2.88	1.54-5.37	0.001	0.59	0.41 - 0.81	0.038	Present	1.58	1.20–2.08	0.001	-	-	-
Education				U5 child in the HH++							HH Religion						
No	1.00			No	1.00			-			Islam	1.00			1.00		
Yes	1.29	1.08-1.53	0.005	Yes	3.24	1.99-5.27	<0.0001	-	-	-	Christianity	2.35	1.32-4.20	0.004	0.41	0.30-0.55	<0.0001
Region*Residence											Other	1.24	0.25-6.18	0.878	0.23	0.03-1.91	0.175
South*Urban	1.00										Rural WI	1.33	1.19-1.48				
North*Rural	1.51	1.25-1.82	<0.0001								Education						
Combined WI	1.24	1.15-1.34	<0.0001								No	1.00			-		
											Yes	1.55	1.16-2.09	0.003	-	-	-

$ Variables in the final models.   #Data included in the analysis, all missing data were excluded.   P-values significant at 0.05   CI, confidence interval

∞ log value was used in analysis   H&L, Hosmer and Lemeshow goodness-of-fit test.   ++HH, households; WI, wealth index;

* Logistic regression run for combined data (H&L test P-value =0.82)

**OR, Odds ratio; adjusted for religion, region by residence, religion by region, and combined household wealth index by household head's gender.

§ Model developed for urban household, data split by region (H&L test P-value: South, 0.96; North, 0.32)

^OR, odds ratio adjusted for religion, family size, religion by region, education by urban wealth index and urban wealth index.

† Model developed for rural households, data split by region (H&L test P-value: South, 0.07; North, 0.34)

†OR, odds ratio adjusted for household head's gender, rural wealth index, and rural wealth index by household head's gender.