

Table 1: Factors associated with non-utilisation of skilled birth attendance in Sierra Leone as per the 2019 SLDHS

Characteristics	Crude model cOR (95% CI)	P-value	Adjusted model aOR (95% CI)
Age		<0.001	
35 to 49	1		1
20 to 34	0.7 (0.6-0.9)		0.9 (0.8-1.2)
15 to 19	0.6 (0.4-0.8)		0.9 (0.6-1.4)
Residence		<0.001	
Urban	1		1
Rural	3.5 (2.6-4.8)		1.8 (1.2-2.7)
Visited by fieldworker		0.006	
Yes	1		1
No	1.4 (1.1-1.8)		1.3 (1.1-1.7)
Region		<0.001	
Western	1		1
Southern	2.3 (1.4-3.8)		0.5 (0.3-0.9)
North-western	6.8 (4.4-10.6)		1.8 (1.2-2.9)
Northern	2.1 (1.3-3.4)		0.6 (0.4-1.0)
Eastern	1.0 (0.5-1.9)		0.3 (0.2-0.5)
Religion			
Islam	1	0.006	1
Christianity and others	0.7 (0.5-0.9)		1.3 (0.9-1.8)
Sex household head		0.012	
Male	1		1
Female	0.8 (0.6-0.9)		1.0 (0.8-1.3)
Household Size		0.006	
7 and above	1		1
Less than 7	0.8 (0.6-0.9)		0.8 (0.7-1.1)
Working status		0.002	
Not working	1		1
Working	1.5 (1.2-2.0)		1.10 (0.8-1.4)
Marital status		<0.001	
Not married	1		1
Married	1.7 (1.4-2.2)		1.10 (0.8-1.4)
Education Level		<0.001	
No Education	1		1
Primary	0.7 (0.6-0.9)		0.9 (0.7-1.1)
Secondary	0.3 (0.3-0.5)		0.6 (0.4-0.8)
Tertiary	0.2 (0.1-0.4)		0.5 (0.2-1.3)
Wealth Index		<0.001	
Richest	1		1
Richer	1.9 (1.2-3.2)		1.5 (0.9-2.4)
Middle	3.8 (2.3-6.3)		1.5 (0.9-2.6)
Poorer	4.9 (3.0-8.2)		1.6 (0.9-2.9)
Poorest	5.1 (3.1-8.4)		1.9 (1.1-3.4)

Parity		<0.001	
5 and above	1		1
2-4	0.8 (0.6-0.9)		1.1 (0.9-1.4)
1	0.5 (0.4-0.7)		0.9 (0.7-1.2)
Exposure to media		<0.001	
Yes	1		1
No	2.2 (1.8-2.8)		1.5 (1.2-1.9)
Permission to access		0.164	
Big problem	1		1
Not big problem	0.8 (0.7-1.1)		1.3 (1.0-1.7)
Distance to health facility		<0.001	
Big problem	1		1
Not big problem	0.4 (0.3-0.5)		0.5 (0.4-0.6)
ANC timing^a		<0.001	
First trimester	1		1
After first trimester	1.4 (1.2-1.8)		1.3 (1.1-1.6)
ANC attendance		0.787	
8 contacts and above	1		-
Less than 8	1.0 (0.8-1.3)		

bold= Significant at p-value <0.05, aOR: Adjusted odds ratio. cOR: Crude Odds

Ratio