

Additional File 4

Socio-demographic factors of the children in relation to nasopharyngeal pneumococcal carriage

Socio-demographic factors		N (%)	Pneumococcal carriage N (%)	OR (95% CI)	<i>p</i> -value
Sex (n=794)	Female	392(49)	72(18)	1.00	
	Male	402(51)	91(23)	1.30(0.92-1.84)	0.13
Age (n=794)	< 6 months	302(38)	29(9.6)	1.00	
	6 – 12 Months	184(23)	46(25)	1.41(0.85-2.36)	0.170
	> 12 – 24 months	125(16)	32(26)	2.12(1.25-3.62)	0.005
	> 24 – 60 months	183(23)	56(31)	3.45(2.19-5.44)	<0.0001
Location of residence (n=794)	Urban	304(38)	40(13)	1.00	
	Rural	355(45)	98(28)	2.51(1.67-3.77)	<0.0001
	Sub- Urban	135(17)	25(19)	1.50(0.86-2.59)	0.146
Number of rooms in the house (n=284)	0-1 room	91(32)	19(21)	1.00	
	2-3 rooms	160(56)	47(29)	1.57(0.85-2.89)	0.141
	> 3rooms	33(12)	11(33)	1.89(0.78-4.58)	0.15
People living in the house (n=284)	0-4	30(11)	9(29)	1.00	
	5-7	133(47)	40(30)	1.00(0.42-2.38)	0.998

	> 7	121(43)	28(23)	0.70(0.28-1.70)	0.430
People sleeping in the same room as the child² (n=284)	1 – 2	31(11)	3(9.7)	1.00	
	> 3	253(89)	74(29)		0.018
Children < 5 years of age living in the house (n=284)	0-2	47(17)	13(28)	1.00	
	3-4	221(78)	58(26)	0.93(0.45-1.88)	0.09
	> 4	16(5.6)	6(38)	1.56(0.47-5.19)	0.46
Siblings (n=284)	0-2	80(28)	27(34)		0.197
	3-4	103(36)	29(28)		0.430
	5-6	79(28)	17(22)		0.990
	> 6	22(7.7)	4(18)	1.00	
Having animal in the house (n=284)		32(11)	7(22)	0.47(0.30-1.76)	0.48
Breast feeding (n=284)	< 6 Months	7(2.5)	1(14)	1.00	
	7-12 Months	38(13)	11(29)	2.44(0.26-22.73)	0.43
	12-24 months	166(58)	44(27)	2.16(0.25-18.48)	0.48
	> 24 months	74(26)	21(28)	2.37(0.26-20.95)	0.43
Kitchen (n=284)	Enclose Kitchen ¹	77(27)	43(56)	6.47(3.62-11.56)	<0.0001
Most important fuel for cooking (n=284)	Wood	180(63)	50(28)		0.730

	Charcoal	94(33)	26(28)		0.725
	Electricity	10(4.0)	2(20)	1.00	
Stove most often used for cooking (n=284)	Free stones	179(63)	49(27)		0.730
	Shield stove	94(33)	26(28)		0.723
	Grid Electric	11(3.9)	2(18)	1.00	
Parental tobacco smoking (n=284)		11(3.9)	2(18)		0.523

¹Enclosed kitchen= Kitchen with an open fire located inside the house directly connected to the living room and/or the bedrooms

²People sleeping in the same room as the child: > 5 years child Sleeping in the same room with the child