

Risk factors of adverse birth outcomes among a cohort of pregnant women in Coastal Kenya, 2017-2019

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Supplementary table 1: Comparison of characteristics of participants who had delivery outcome data and those without delivery outcome data.

Characteristic	N	Total n (%)	Delivery outcome		OR (95% CI)	p-value
			With delivery outcome data (n=1916) n (%)	Without delivery outcome data (n=396) n (%)		
Age, years median (IQR)		28 (24-32)	28(24-33)	27(23-30)	1.1 (1.1-1.2)	<0.001*
Health facility type	2312					
Public		1558 (67.4)	1262 (65.9)	296 (74.8)	Ref	
Private		754 (32.6)	654 (34.1)	100 (25.3)	1.5 (1.2-1.9)	0.001*
Education	2278					
Primary		592 (26.0)	490 (26.0)	102 (26.0)	Ref	
Secondary		1016 (44.6)	857 (45.5)	159 (40.4)	1.1(0.8-1.5)	0.407
College (Middle level)		670 (29.4)	538 (28.5)	132 (33.6)	0.8(0.6-1.1)	0.260
Employment	2312					
Employed		898(38.9)	754(39.4)	144(36.6)	1.2(0.9-1.5)	0.161
Self employed		339(14.7)	285(14.9)	54(13.6)	1.2(0.9-1.7)	0.294
Unemployed		1074(46.5)	876(45.7)	198(50.0)	Ref	
Marital status	2312					
Married		2040 (88.2)	1699 (88.7)	341 (86.1)	1.3(0.9-1.7)	0.150
Single		272 (11.8)	217 (11.3)	55 (13.4)	Ref	
Chronic illness	2312					
Asthma		83 (3.6)	68 (3.6)	15 (3.8)	1.1(0.6-1.9)	0.806
Diabetes		16 (0.7)	13 (0.7)	3 (0.7)	1.1(0.3-3.9)	0.865

Epilepsy		7 (0.3)	6 (0.3)	1 (0.3)	1.2(0.1-10.4)	0.840
Hypertension		44 (1.9)	36 (1.9)	8 (2.0)	0.9(0.4-2.0)	0.852
Lifestyle factors	2312					
Substance use		87(3.8)	75(3.9)	12(3.0)	1.3(0.7-2.4)	0.401
HIV status	2160					
HIV positive		343 (15.9)	308 (17.2)	35 (9.9)	1.9(1.3-2.7)	0.001*
On HAART	336	310(92.3)	278(91.8)	32(97.0)	0.3(0.04-2.6)	0.308
Syphilis status	2072					
Positive		29(1.4)	26(1.5)	3(0.9)	1.7(0.5-5.8)	0.368
Obstetric factors						
Multiparity	2310	1620 (70.1)	1367 (71.4)	253 (63.9)	1.4(1.1-1.7)	0.003*
History of preeclampsia	1613	1613	94(6.9)	16(6.3)	1.1(0.6-1.9)	0.734
History of premature birth	1611	96(5.9)	75(5.5)	21(8.3)	0.6(0.4-1.1)	0.089
History of low birth weight	1610	120(7.5)	101(7.4)	19(7.6)	0.9(0.6-1.6)	0.908
County of residence	2312					
Within Mombasa County		2237(96.7)	1858(96.9)	379(95.7)	1.4 (0.8-2.5)	0.198
Outside Mombasa County		75(3.1)	58(3.1)	17(4.3)	Ref	

*Variables significant at p value ≤ 0.05

Abbreviations: Human immunodeficiency virus (HIV), odds ratio (OR), interquartile range (IQR), antiretroviral therapy (HAART)