

Socio-demographic characteristics associated with KAP towards Typhoid fever prevention in Mahama refugee camp, 2016

KAP Variables		Number (%)	Unadjusted Odds Ratio (95%CI)	P-value	Adjusted Odds Ratio (95% CI)	P-value
Do not wash hands before eating	Time spent in the camp < 6 months	27 (16.0)	1			
	Time spent in the camp > 6 months	131 (26.1)	1.86 (1.17-2.93)	0.008	1.86 (1.17-2.96)	0.008
	Age ≤ 35	98 (21.2)	1			
	Age ≥ 35	60 (28.9)	1.51(1.04-2.2)	0.031	1.47 (1.01-2.16)	0.045
	Non employed	112 (28.9)	1			
	Employed	46 (16.3)	0.48 (0.32-0.70)	0.000	0.49 (0.33-0.73)	0.000
	Less than primary school	55 (24.8)	1			
	Primary and high level of education	103 (22.9)	0.90(0.62-1.31)	0.598		
	Islam	18(24.7)	1			
	Catholic	76 (23.3)	0.93(0.51-1.68)	0.807		
Protestant	64 (23.5)	0.94(0.51-1.71)	0.841			
Do not wash hands after leaving latrine	Time spent in the camp < 6 months	25 (14.8)	1			
	Time spent in the camp > 6 months	140 (27.9)	2.23 (1.40-3.55)	0.001	2.24 (1.40-3.61)	0.001
	Age ≤ 35	103 (22.9)	1			
	Age ≥ 35	62 (29.8)	1.48 (1.03-2.15)	0.036	1.47 (1.05-2.32)	0.047
	Non employed	116 (29.9)	1			
	Employed	49 (17.3)	0.49 (0.33-0.71)	0.000	0.51 (0.34-0.71)	0.001

	Less than primary school	57(25.7)	1			
	Primary school and High	108 (24.0)	0.91(0.63-1.33)	0.646		
	Islam	20 (27.40)	1			
	Catholic	77 (23.6)	0.82(0.46-1.45)	0.497		
	Protestant	68 (25.0)	(0.49-1.58)	0.677		
Use fecal disposal other than pit latrine	Time spent in the camp \leq 6 months	9 (9.3)	1			
	Time spent in the camp $>$ 6months	3 (0.6)	0.10(0.30-0.40)	0.001	0.10 (0.02-0.36)	0.001
	Age \leq 35	7 (1.5)	1			
	Age \geq 35	5 (2.4)	1.60(0.50-5.11)	0.424		
	Non employed	11 (2.8)	1			
	Employed	1 (0.4)	0.12 (0.02-0.94)	0.044	0.10 (0.01-0.81)	0.033
	Less than primary school	4 (1.8)	1			
	Primary school and High	8 (1.8)	0.99(0.30-3.32)	0.985		
	Islam	1 (1.4)	1			
	Catholic	4 (1.2)	0.89(0.10-8.12)	0.921		
	Protestant	7 (2.6)	1.90(0.23-15.7)	0.551		
	Did not heard about Typhoid fever	Time spent in the camp \leq 6 months	54 (32.0)	1		
Time spent in the camp $>$ 6months		263 (52.4)	2.34 (1.62-3.39)	0.000	2.31 (1.59-3.35)	0.000
Age $<$ 35		224 (48.4)	1			

	Age ≥ 35	93 (44.7)	0.86 (0.62-1.20)	0.379		
	Non employed	200 (51.5)	1			
	Employed	117 (41.3)	0.66 (0.52-0.99)	0.009	0.72 (0.51-1.00)	0.051
	Less than primary school	123 (55.4)	1			
	Primary and high level of education	194 (43.2)	0.61 (0.44-0.85)	0.003	0.64 (0.46-0.90)	0.012
	Islam	44 (60,7)	1			
	Catholic	154 (47.2)	0.59(0.35-0.99)	0.045	0.64(0.37-1.08)	0.096
	Protestant	119 (43.7)	0.51 (0.30-0.87)	0.013	0.52 (0.30-0.89)	0.018
Did not received health education	Time spent in the camp ≤ 6 months	125 (74.0)	1			
	Time spent in the camp > 6 months	372 (74.1)	1.0(0.68-1.50)	0.972		
	Age < 35	356 (76.9)	1			
	Age ≥ 35	141 (67.8)	0.63 (0.44-0.91)	0.013	0.64 (0.44-0.92)	0.016
	Non employed	296 (76.3)	1			
	Employed	201 (71.0)	0.76(0.54-1.80)	0.125		
	Less than primary school	170 (76.6)	1			
	Primary and high level of education	327 (72.8)	0.82(0.56-1.19)	0.298		
	Islam	61 (83.6)	1			
	Catholic	241 (73.9)	0.56(0.29-1.09)	0.086	0.57(0.29-1.12)	0.107
	Protestant	195 (71.7)	0,50(0.25-0.97)	0.042	0.50(0.26-1.00)	0.050
Do not know how Typhoid	Time spent in the camp ≤ 6 months	93(55.0)	1			

fever spreads	Time spent in the camp > 6 months	346 (68.9)	1.81(1.27-2.59)	0.001	1.80 (1.25-2.58)	0.002
	Age < 35	314(67.8)	1			
	Age ≥ 35	125(60.1)	0.71(0.51-1.00)	0.052		
	Non employed	266(68.6)	1			
	Employed	173(61.1)	0.72(0.52-0.99)	0.046	0.82(0.59-1.15)	0.261
	Less than primary school	168(75.7)	1			
	Primary and high level of education	271 (60.4)	0.49 (0.34-0.70)	0.000	0.50 (0.34-0.72)	0.000
	Islam	55(75.3)	1			
	Catholic	217(66.6)	0.65(0.36-1.16)	0.148	0.70(0.39-1.28)	0.251
	Protestant	167 (61.4)	0.52 (0.59-0.96)	0.029	0.52 (0.29-0.95)	0.034
Do not know how Typhoid fever is prevent	Time spent in the camp ≤ 6 months	86(50.9)	1			
	Time spent in the camp > 6 months	326 (64.9)	1.79 (1.25-2.54)	0.001	1.76 (1.22-2.52)	0.002
	Age < 35	297(63.5)	1			
	Age ≥ 35	118(56.7)	0.75(0.54-1.05)	0.096		
	Non employed	251(64.7)	1			
	Employed	161(56.9)	0.72(0.52-0.98)	0.041	0.81(0.58-1.12)	0.209
	Less than primary school	158(71.2)	1			
	Primary and high	254 (56.6)	0.53 (0.37-0.74)	0.000	0.54 (0.37-0.77)	0.001
	Islam	56(76.7)	1			
Catholic	202(62.0)	0.49(0.27-0.89)	0.019	0.53(0.29-0.96)	0.037	

	Protestant	154 (56.6)	0.40 (0.22-0.72)	0.002	0.40 (0.21-0.72)	0.003
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