

Tables

Table 1 Socio-demographic characteristics of maternity waiting home users and non-users in the public hospitals of West Arsi Zone, 2022

Variable	Category	Exposed No. (%)	Non exposed No. (%)	Total n=1606 (%)
Maternal age	<20	15 (1.87)	46 (5.73)	61 (3.79)
	20-35	763 (95.02)	719 (89.54)	1482 (92.28)
	>=35	25 (3.11)	38 (4.73)	63 (3.92)
Marital status	Married	785 (97.76)	770 (95.89)	1555 (96.82)
	Single	6 (0.75)	4 (0.50)	10 (0.62)
	Divorced	12 (1.49)	18 (2.24)	30 (1.87)
	Widowed	0	11 (1.37)	11(0.68)
Mother's educational level	No formal education	179 (22.29)	154 (19.18)	333 (20.73)
	Read & write	131 (16.31)	103 (12.83)	234 (14.57)
	Primary education	263 (32.75)	242 (30.14)	505 (31.44)
	Secondary education	98 (12.20)	223 (27.77)	321 (19.99)
	Diploma and more	132 (16.44)	81 (10.09)	213(13.26)
Husband's educational level	No formal education	147 (18.31)	141 (12.45)	288 (17.93)
	Read & write	100 (14.82)	119 (54.34)	219 (13.64)
	Primary education	185 (18.68)	150 (23.04)	335 (20.86)
	Secondary education	163 (24.91)	200 (20.30)	363 (22.60)
	Diploma and more	208 (24.03)	193 (48.13)	401 (24.97)
Mother's Occupation	Government employee	64 (7.35)	59 (7.97)	123 (7.66)
	Merchant	64 (7.97)	86 (10.71)	150 (9.34)
	Farmer	54 (6.72)	47 (5.85)	101(6.29)
	House wife	596 (74.22)	553 (68.87)	1,149 (71.54)
	Daily laborers	14 (1.74)	48 (5.98)	62 (3.86)
	Self employed	16 (1.99)	5 (1.31)	21 (1.31)
Place of residence	Urban	0	429 (100.0)	429 (26.71)
	rural	803 (68.32)	374 (31.78)	1,177 (73.29)

Table 2 Reproductive and medical characteristics of maternity waiting home users and non-users in the public hospitals of West Arsi Zone, 2022

Variable	Category	Exposed	Non exposed	Total n=1606 (%)
		No. (%)	No. (%)	
Gravidity	1	241 (30.01)	330 (41.10)	571 (35.55)
	3-4	356 (44.33)	355 (44.21)	711 (44.27)
	>=5	206 (25.65)	118 (14.69)	324 (20.17)
Parity	0	243 (30.26)	334 (41.59)	577 (35.93)
	1-3	359 (44.71)	346 (43.09)	705 (43.89)
	>=4	201 (25.03)	123 (15.32)	324 (20.17)
ANC visit	0	60 (7.47)	26 (3.24)	86 (5.35)
	1-3	479 (59.65)	468 (58.28)	947 (58.97)
	>=4	264 (32.88)	309 (38.48)	573 (35.68)
History of C/S	Yes	27 (4.68)	40 (7.87)	67 (4.17)
	No	550 (95.32)	468 (92.13)	1018 (63.38)
Previous obstetrics complication	Yes	188 (23.41)	98 (12.20)	286 (17.80)
	No	389 (48.44)	410 (51.06)	799 (49.75)
Medical disease during pregnancy	Yes	16 (1.99)	58 (7.22)	74 (4.60)
	No	787 (98.01)	747 (92.78)	1534 (95.51)
Planned current pregnancy	Yes	708 (88.17)	656 (81.69)	242 (15.09)
	No	95 (11.83)	147 (18.31)	1364 (84.93)

Table 3 Bivariable & Multivariable generalized linear model for the effect of maternity waiting home utilization on perinatal health outcomes, 2022 (n=1606)

Variable	Category	Complicated No. (%)	Uncomplicated No. (%)	CRR (95% CI)	ARR (95% CI)	P-value
Maternity home utilization	Utilized (Exposed)	49 (6.10)	754 (93.90)	0.66 (0.47, 0.93)	0.61 (0.42, 0.88)*	0.008*
	Not utilized (non-exposed)	74 (9.22)	729 (90.78)	1	1	1
Maternal complication	Yes	52 (12.53)	363 (87.47)	2.10 (1.49, 2.95)	1.96 (1.39, 2.75)*	0.000*
	No	71 (5.96)	1,120 (94.04)	1	1	1
Maternal age	<20	6 (9.84)	55 (90.16)	0.44 (0.18, 1.07)	1.39 (0.47, 4.08)	0.550
	20-35	103 (6.95)	1,379 (93.05)	0.31 (0.19, 0.51)	0.46 (0.26, 0.82)*	0.008*
	>35	14 (22.22)	49 (78.78)	1	1	1
Type of birth	Singleton	118 (7.63)	1,429 (92.37)	0.90 (0.38, 2.12)	0.62 (0.26, 1.50)	0.294
	Twin	5 (8.47)	54 (91.53)	1	1	1
Parity	0	19 (3.29)	558 (96.71)	0.27 (0.16, 0.46)	0.22 (0.12, 0.43)*	0.000*
	1-3	65 (9.22)	640 (90.78)	0.76 (0.53, 1.11)	0.84 (0.54, 1.30)	0.439
	≥4	39 (12.04)	285 (87.96)	1	1	1
Sex of newborn	Male	64 (7.17)	829 (92.83)	1.15 (0.82, 1.62)	0.88 (0.62, 1.25)	0.481
	Female	59 (8.27)	654 (91.73)	1	1	1

RR-adjusted for maternal complication, maternal age, type of birth, parity and sex of new born

RR -Relative Risk CI- Confidence Interval

** Significant with multiple logistic regression at p-value ≤0.05*