

Table 1: Sociodemographic characteristics of reproductive age women suspected of UTI in HFCSH, Harar, eastern Ethiopia, 2024 (n=229).

Variables		Frequency	Percent (%)
Age group (in years)	15-25	87	38
	26-35	73	31.9
	36-45	41	17.9
	46-49	28	12.2
Occupational status	Housewife	151	65.9
	Private employee	33	14.4
	Government employee	26	11.4
	Student	19	8.3
Marital status	Married	183	79.9
	Single	20	8.7
	Widowed	14	6.1
	Divorced	12	5.2
Educational status	Illiterate	64	27.9
	Primary level	62	27.1
	Secondary level	61	26.6
	College level and above	42	18.3
Average monthly income			
	>3000	136	59.4
	1501-3000	74	32.3
	500-1500	15	6.6
	<500	4	1.7
Residence place	Urban	128	55.9
	Rural	101	44.1

Table 2:- Clinical characteristics of reproductive age women suspected of UTI in HFCSH, Harar, eastern Ethiopia, 2024 (n=229).

	Responses	N	Percent (%)	
Clinical symptoms	Yes	155	67.7	
	No	74	32.3	Percent of Cases
Symptoms	Frequency	147	44.4%	94.8%
frequencies	Urgency	128	38.7%	82.6%
	Dysuria	48	14.5%	31.0%
	Haematuria	8	2.4%	5.2%
Total		331	100.0%	213.5%

Table 3:- Bivariate logistic regression analysis of reproductive age women suspected of UTI in HFCSH, Harar, eastern Ethiopia, 2024 (n=229).

Variables	Variable category	<i>S. saprophyticus</i>		COR (95% CI)	P-value
		Positive, n (%)	Negative, n (%)		
Age group (years)	15-25	9(10.34)	78(89.66)	0.67(0.14-3.29)	0.618
	26-35	7(9.59)	66(90.41)	0.73(0.141-3.7)	0.7
	36-45	2(4.88)	39(95.12)	1.5(0.2-11.33)	0.694
	46-49	2(7.14)	26(92.86)	1	
Occupation	Housewife	15(9.9)	136(90.1)	0.5(0.06-4.04)	0.519
	Private employe	2(6.06)	31(93.94)	0.86(0.08-10.18)	0.906

	Government employee	2(7.69)	24(92.31)	0.67(0.06-7.94)	0.748
	Student	1(5.26)	18(94.74)	1	
Marital status	Single	1(5)	19(95)	3.17(0.26-38.8)	0.367
	Married	16(8.7)	167(91.3)	1.74(0.36-8.47)	0.493
	Divorced	1(8.33)	11(91.67)	1.83(0.15-23.2)	0.639
	Widowed	2(14.29)	12(85.71)	1	
Average monthly income	<500	1(25)	3(75)	0.187(0.02-2.01)	0.167
	500-1500	0	15(100)	-	0.999
	1501-3000	11(14.9)	63(85.1)	0.36(0.14-0.93)	0.036
	>3000	8(5.9)	128(94.1)	1	
Educational status	Illiterate	7(10.94)	57(8.069)	0.41(0.08-2.06)	0.278
	Primary level	1(1.6)	61(98.4)	3.05(0.27-34.8)	0.369
	Secondary level	10(16.4)	51(83.6)	0.26(0.05-1.23)	0.089
	College level	2(4.76)	40(95.24)	1	
Residence place	Urban	14(10.9)	114(89.1)	1.9(0.72-5.26)	0.190
	Rural	6(5.94)	95(94.06)	1	
Urgency	Yes	15(11.7)	113(88.3)	2.5(0.88-7.195)	0.084
	No	5(4.95)	96(95.05)	1	
Dysuria	Yes	14(29.2)	34(70.8)	12.01(4.3-33.5)	0.000
	No	6(3.3)	175(96.7)	1	
Abdominal pain	Yes	16(14.04)	98(85.96)	4.5(1.47-14.01)	0.009
	No	4(3.5)	111(96.5)	1	
Back pain	Yes	17(13.2)	112(86.8)	4.91(1.39-17.3)	0.013
	No	3(3)	97(97)	1	
Catheterization	Yes	12(31.6)	26(68.4)	10.6(3.9-28.26)	0.000
	No	8(4.2)	183(95.8)	1	
Chronic disease	Yes	7(12.96)	47(87.04)	1.86(0.7-4.92)	0.214
	No	13(7.4)	162(92.6)	1	
Sexual history	Yes	14(24.1)	44(75.9)	8.75(3.18-24.1)	0.000
	No	6(3.5)	165(96.5)	1	

Table 4:- Multivariate logistic analysis of reproductive age women suspected of UTI in HFCSH, Harar, eastern Ethiopia, 2024 (n=229).

Variables	Variable category	<i>S. saprophyticus</i> Positive, n (%)	Negative, n (%)	COR (95% CI)	P- value	AOR (95% CI)	P- value
Average monthly income	<500	1(25)	3(75)	0.187(0.02-2.01)	0.167		
	500-1500	0	15(100)	-	0.999		
	1501-3000	11(14.9)	63(85.1)	0.36(0.14-0.93)	0.036		
	>3000	8(5.9)	128(94.1)	1			
Educational status	Illiterate	7(10.94)	57(8.069)	0.41(0.08-2.06)	0.278		
	Primary level	1(1.6)	61(98.4)	3.05(0.27-34.8)	0.369		
	Secondary level	10(16.4)	51(83.6)	0.26(0.05-1.23)	0.089		
	College level	2(4.76)	40(95.24)	1			
Residence place	Urban	14(10.9)	114(89.1)	1.9(0.72-5.26)	0.190		
	Rural	6(5.94)	95(94.06)	1			
Urgency	Yes	15(11.7)	113(88.3)	2.5(0.88-7.195)	0.084		
	No	5(4.95)	96(95.05)	1			
Dysuria	Yes	14(29.2)	34(70.8)	12.01(4.3-33.5)	0.000	6.3(1.3-31.6)	0.026
	No	6(3.3)	175(96.7)	1			
Abdominal pain	Yes	16(14.04)	98(85.96)	4.5(1.47-14.01)	0.009		
	No	4(3.5)	111(96.5)	1			
Back pain	Yes	17(13.2)	112(86.8)	4.91(1.39-17.3)	0.013		
	No	3(3)	97(97)	1			
Catheteriza tion	Yes	12(31.6)	26(68.4)	10.6(3.9-28.26)	0.000	5.6(1.5-21.49)	0.011
	No	8(4.2)	183(95.8)	1			
Chronic disease	Yes	7(12.96)	47(87.04)	1.86(0.7-4.92)	0.214		
	No	13(7.4)	162(92.6)	1			
Sexual history	Yes	14(24.1)	44(75.9)	8.75(3.18-24.1)	0.000	4.4(1.2-16.4)	0.027
	No	6(3.5)	165(96.5)	1			

Table 5: The antibiotic sensitivity pattern of *S. saprophyticus* among reproductive age women suspected of UTI in HFCSH, Harar, eastern Ethiopia, 2024 (n=229).

Antimicrobial Agent	S	I	R
	N (%)	N (%)	N (%)
Ampicillin	2(10)	1 (5)	17 (85)
Rifampin	16 (80)	2(10)	2(10)
Gentamicin	20(100)	0	0
Tetracycline	11(55)	5(25)	4(20)
Nitrofurantoin	17(85)	1(5)	2(10)
Trimethoprim-Sulfamethoxazole	9(45)	6(30)	5(25)
Ciprofloxacin	19(95)	1(5)	0
Cefoxitin	1(5)	1(5)	18(90)
Clindamycin	15(75)	1(5)	4(20)
Nalidixic acid	1(5)	0	19(95)

In review