

Table S1: Medicinal plants used along with self-medication among pregnant women prior to admission to JUMC, Ethiopia

Type of Medicinal plants used (N=110)	Local name (English name) ^a	Number of users	Percent age ^b
<i>Linum usitatissimum</i> L.	<i>Telba</i> (Flaxseed)	88	80.9
<i>Zingiber officinale</i> Roscoe.	<i>Zingibil</i> (Ginger)	15	13.6
<i>Carica papaya</i> L.	<i>Papaya</i> (Papaya)	14	12.7
<i>Ocimum lamiifolium</i> Hochst. ex Benth.	<i>Damakessie</i> (No English name) ^c	14	12.7
<i>Allium sativum</i> L.	<i>Nech shinkrut</i> (Garlic)	12	10.9
<i>Trigonella foenum-graecum</i> L.	<i>Abish</i> (Fenugreek)	7	6.4
<i>Nigella sativa</i> L	<i>Tikur Azmud</i> (Black seed)	7	6.4
<i>Eucalyptus globulus</i> Labill.	<i>Nech-bahir zaf</i> (“Eucalyptus”)	6	5.5
<i>Ruta chalepensis</i> L.	<i>Tenadam</i> (Fringed rue)	5	4.5
<i>Cinnamomum verum</i> J.Presl	<i>Qarafa</i> (Cinnamon)	3	2.7
<i>Taverniera abyssinica</i> A. Rich	<i>Dingetegna</i> (No English name)	2	1.8
<i>Artemisia abyssinica</i> Sch.Bip. ex A.Rich.	<i>Chikugn</i> (No English name)	1	0.9
<i>Brassica nigra</i> (L.) K.Koch	Senafitch (Black mustard)	1	0.9
<i>Echinops kebericho</i> Mesfin	<i>Kebericho</i> (No English name)	1	0.9
<i>Hagenia abyssinica</i> (Bruce ex Steud.) J.F.Gmel.	<i>Kosso</i> (African redwood)	1	0.9
<i>Phoenix dactylifera</i> L.	<i>Temir</i> (Dates)	1	0.9
<i>Vernonia amygdalina</i> Del.	<i>Grawa</i> (Bitter leaf)	1	0.9

^aLocal name in *Amharic* language; ^bTotal percentage may exceed 100% due to multiple responses; ^cNo English name: These group of medicinal plants don't have common English name

Table S2: Characteristics of pregnant women according to social drug use prior to admission to JUMC, Ethiopia

Characteristics	No. (%)	Social drug use during pregnancy ^j	
		No	Yes

	1117 (100) ^a	No. (%) 1009 (90.3)	No. (%) 108 (9.7)	Crude OR [95% CI] ^k	Adjusted OR [95% CI] ^l
Place of Residence					
Urban	595 (53.3)	535 (53.0)	60 (55.6)	1.11 [0.74-1.65]	
Rural	522 (46.7)	474 (47.0)	48 (44.4)	1	-
Age (years)^b					
≤ 20	223 (20.0)	201 (19.9)	22 (20.4)	1.59 [0.76-3.30]	1.74 [0.81-3.75]
21-25	388 (34.7)	345 (34.2)	43 (39.8)	1.81 [0.93-3.52]	1.90 [0.95-3.81]
26-30	320 (28.7)	289 (28.6)	31 (28.7)	1.56 [0.78-3.11]	1.52 [0.74-3.13]
≥ 31	186 (16.7)	174 (17.2)	12 (11.1)	1	1
Marital status					
Married	1071 (95.9)	967 (95.8)	104 (96.3)	1.13 [0.40-3.21]	
Others ^c	46 (4.1)	42 (4.2)	4 (3.7)	1	-
Religion					
Islam	731 (65.4)	662 (65.6)	69 (63.9)	2.71 [0.83-8.82]	3.79 [1.13-12.76]
Orthodox	305 (27.3)	269 (26.7)	36 (33.3)	3.48 [1.04-11.60]	4.08 [1.19-13.99]
Protestant/Others ^d	81 (7.3)	78 (7.7)	3 (3.7)	1	1
Educational level^e					
Illiterate	378 (34.0)	344 (34.3)	34 (31.4)	0.62 [0.32-1.21]	0.66 [0.32-1.37]
Primary /read & write	470 (42.3)	435 (43.3)	35 (32.4)	0.51 [0.26-0.98]	0.57 [0.28-1.17]
Secondary school	162 (14.6)	137 (13.6)	25 (23.1)	1.15 [0.57-2.33]	0.99 [0.47-2.08]
Post-secondary school	102 (9.2)	88 (8.8)	14 (13.0)	1	1
Occupation					
House wife	524 (46.9)	479 (47.5)	45 (41.7)	0.68 [0.32-1.45]	
Farmer	261 (23.4)	233 (23.9)	28 (25.9)	0.87 [0.39-1.93]	
Trader/Merchant	163 (14.6)	149 (14.8)	14 (13.0)	0.68 [0.28-1.65]	
Government employee	95 (8.5)	83 (8.2)	12 (11.1)	1.04 [0.42-2.63]	
Others ^f	74 (6.6)	65 (6.4)	9 (8.3)	1	-
Ethnic Group					
Oromo	779 (69.7)	703 (69.7)	76 (70.4)	1.09 [0.53-2.26]	
Amhara	87 (7.8)	79 (7.8)	8 (7.4)	1.02 [0.38-2.78]	
Yem	81 (7.3)	72 (7.1)	9 (8.3)	1.26 [0.48-3.35]	
Dawuro	70 (6.3)	64 (6.3)	6 (5.6)	0.95 [0.32-2.80]	
Others ^g	100 (9.0)	91 (9.0)	9 (8.3)	1	-
Walking distance to the nearest health facility					
Close, ≤30 min.	731 (66.4)	662 (65.6)	69 (63.9)	0.76 [0.42-1.38]	
Somewhat far, 31-60 min.	245 (22.3)	225 (22.3)	20 (18.5)	0.65 [0.32-1.32]	
Far, >60 min.	125 (11.4)	110 (10.9)	15 (13.9)	1	-
Gravidity^h					
Primigravida	431 (38.6)	392 (38.9)	39 (36.1)	0.89 [0.59-1.34]	
Multigravida	686 (61.4)	617 (61.1)	69 (63.9)	1	-
Gestational age					
Preterm pregnancy	231 (20.7)	192 (19.0)	39 (36.1)	1.44 [0.70-2.96]	0.88 [0.37-2.09]
Term pregnancy	735 (65.8)	683 (67.7)	52 (48.1)	0.54 [0.27-1.08]	0.59 [0.29-1.21]
Post term pregnancy	62 (5.6)	56 (5.6)	6 (2.7)	0.76 [0.27-2.18]	0.72 [0.24-2.14]
Others	89 (8.0)	78 (7.7)	11 (10.2)	1	1
Patient type					
Gynaecology ward	125 (11.2)	98 (9.7)	27 (25.0)	3.10 [1.91-5.02]	2.81 [1.31-6.04]
Maternity ward	992 (88.8)	911 (90.3)	81 (75.0)	1	1
Chronic illnessⁱ					
Yes	56 (5.0)	48 (4.8)	8 (7.4)	1.60 [0.74-3.48]	1.43 [0.62-3.31]
No	1061 (95.0)	961 (95.2)	100 (92.4)	1	1
Medicinal plant use					
Yes	319 (28.6)	268 (26.6)	51 (47.2)	2.47 [1.65-3.70]	2.75 [1.79-4.24]
No	798 (71.4)	741 (73.4)	57 (52.8)	1	1
Duration of hospital stay					
≤ 3 days	667 (59.7)	615 (61.0)	52 (48.1)	0.60 [0.40-0.87]	0.63 [0.41-0.95]
> 3 days	450 (40.3)	394 (39.0)	56 (51.9)	1	1

^aNumbers may not add up to 1117 due to missing values, ^bMedian age 25 years, interquartile range 22–30 years; ^cOthers includes single 41(3.7%), divorced 4(0.4%), widowed 1(0.1%); ^dProtestant/Others includes Protestant 74(6.6), Catholic 2(0.2%), Waqefeta 1(0.1%), missing 4(0.4); ^eRead & write: no formal education but can read and write due to literacy campaigns, traditional religious institution and informal peer learning, Primary school: Grade 1–8, Secondary school: Grade 9–12; Post-secondary school: Technical and vocational school, college, university; ^fOthers includes daily labourers 24(2.1), students 22(2.0), private institution workers 18(1.6), other sectors 10(0.9%); ^gOthers includes Silte 30(2.7), Kaffa 16(1.4), Tigre 3(0.3), Wolayita 3(0.3), mixed ethnic backgrounds 7(0.6); ^hGravidity includes the current pregnancy; ⁱ includes asthma, cardiac diseases, chronic gastritis/peptic ulcer, hypertension, HIV, chronic renal failure, chronic liver disease, diabetes mellitus, etc; ^jSocial drug use before hospitalization; ^kCI, confidence interval, OR, odds ratio; Significant findings are in bold (P<0.05) ^lAdjusted for age, religion, educational level, gestational age, patient type, chronic illness, medicinal plant use and duration of hospital stay.