Table 1. Socio-demographic characteristics of the study participants of early postnatal care utilization in Hadiya Zone, Hosanna town south, Ethiopia, 2022(N=387).

Variables	Categories	Frequencies	%
Age (n = 387)	<25	118	30.5
	25-35	254	65.6
	>35	15	3.9
Religion (n = 387)	Orthodox	106	27.4
	Protestant	241	62.3
	Muslim	40	10.3
Ethnicity (n = 387)	Hadiya	245	63.3
	Gurage	40	10.3
	Kambata	51	13.2
	Silte	28	7.5
	Amhara	23	5.9
Educational status of the mother (n = 387)	No formal education	58	15
	Primary education	60	15.5
	Secondary above	269	69.5
Husband's educational status (n =387)	No formal education	73	18.9
	Primary education	102	26.4
	Secondary and above	212	54.8
Occupation of the mothers (n = 387)	Daily laborer	58	15
	Housewife	86	22.2
	Merchant	64	16.5
	Employee	179	46.3
Husband occupation (n = 387)	Farmer	39	10.1
	Merchant	108	27.9

	Daily laborer	77	19.9
	Employee	163	42.1
The family income per/month (n = 387)	<1000ETB	17	4.4
	1000-1500ETB	29	7.5
	>1500ETB	341	88.1

Table 2. Obstetric complications of the respondents during the time of delivery and after delivery, who gave birth in the last six weeks in Hosanna town south, Ethiopia, 2022(n= 387).

Variables	Categories	Frequencies	%
Have you ever faced any complications during pregnancy (n= 387)	Yes	119	30.7
	No	268	69.3
Complications faced during pregnancy (n = 119)	Vaginal bleeding	31	26.1
	Severe headache	21	17.6
	Severe abdominal pain	24	20.2
	Blurring of vision	15	12.6
	Poor fetal movement	16	13.4
	High-grade fever	12	10.1
Did you have complications at the time of delivery (n = 387)	Yes	129	33.3
	No	258	66.7
Complications developed at the time of delivery (m = 129)	Labor lasting a long time	59	45.7
	Fetal distress	45	34.9
	PIH (pre-eclampsia/eclampsia)	25	19.4
Have you developed a complication after delivery (n = 387)	Yes	100	25.8
	No	287	74.2

Complications developed after delivery (n = 100)	Heavy bleeding	32	32.0
	High-grade fever	7	7.0
	Severe headache	20	20.0
	Blurring of vision	24	24.0
	Severe abdominal pain	17	17.0

Table 3. Health care provider and facility factors of the respondent in Hadiya Zone, Hosanna town southern, Ethiopia, 2022(n= 387).

Variables	Categories	Frequencies	%
Time to reach the health facility (n = 387)	<30 minute	187	48.3
	30-60 minute	109	28.2
	>=1hr	91	23.5
Place of birth (n= 387)	Health post	53	13.7
	Private clinic	93	24
	Health center	111	28.7
	Gov.t hospital	130	33.6
Birth attended by (n = 387)	Health professionals	334	86.3
	Health extension workers	53	13.7
Appointment to the mother by the birth attendant (n = 373)	Yes	358	97.9
	No	15	2.1
Did somebody visit you at your home after delivery? (n = 387)	Yes	301	77.8
	No	86	22.2
The mother visited after birth by (n =	Health professionals	124	40.9

| | Health extension workers | 179 | 59.1 |

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Table 4. Awareness of the mothers and early postnatal care utilization in Hadiya zone, Hosanna town South, Ethiopia, 2022(n= 387).

Variables	Categories	Frequencies	%
Awareness of the mothers on EPNCU (n = 387)	Yes	191	49.4
	No	196	50.6
What are the types of early postnatal care services provided? *	Physical examination of the mother	117	30.2
	Physical examination of the baby	102	26.4
	Provision of family planning	84	21.7
	Provision of immunization	53	13.7
	Advising on danger signs after delivery	101	26.1
	Advising on nutrition	58	15
	Advising on hygiene	96	24.8
	Advising on breastfeeding	148	38.2
Obstacles to utilizing EPNCU*	Cultural not recommended	172	44.5
	Waiting for falling off baby's cord	38	9.8
	To have enough energy	2	0.5
	Pregnancy was unplanned	2	0.5
	Lack of time	110	28.4
	Lack of guardians for my children	57	14.7
	Waiting for the service kills the time	158	40.8

	Lack of information or advise	139	35.9

more than one response

Table 5. Results of bivariate and multivariate logistic regression analysis conducted on mothers who had children within the previous six weeks in Hadiya Zone, Hosanna Town South, Ethiopia, 2022(n=387).

Characteristics	Categories	EPNCU		COR 95% CI	AOR 95% CI	p-values
		Yes	**No**			
ANC follow-up	Yes	81	173	2.8(1.616, 4.882)	**2.132(1.110, 4.096)**	**0.023**
	No	19	114	1	1	
Occupation of the mothers	Daily laborer	7	51	0.326(0.139, 0.765)	0.431(0.159, 1.169)	0.098
	Housewife	21	65	0.768(0.427, 1.382)	0.854(0.416, 1.753)	0.668
	Merchant	19	45	1.004(0.537, 1.875)	0.959(0.433, 2.128)	0.918
	Civil servant	53	126	1	1	
Husband educational level	No formal	4	69	0.090(0.032, 0.256)	**0.050(0.016, 0.158)**	**<0.001**
	Primary	13	89	0.227(0.119, 0.432)	**0.146(0.065, 0.315)**	**<0.001**
	Secondary & above	83	129	1	1	
Stay an hour in the health facility	<24 hours	32	152	0.4(0.255, 0.666)	**0.299(0.163, 0.548)**	**<0.001**
	≥24 hours	70	133	1	1	
Parity	One	24	46	2.4(1.266, 4.384)	2.153(0.991, 4.679)	0.053
	Two	43	92	2.11(1.251, 3.559)	1.854(0.980, 3.507)	0.058
	Three and above	33	149	1	1	

| **Do you have information about EPNCU?** | Yes | 71 | 120 | 3.407(2.084, 5.570) | **3.082(1.722, 5.520)** | **<0.001** |
| | No | 29 | 167 | 1 | 1 | |