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Assessment of Knowledge, Attitude and Practice of Voluntary Blood Donation and Associated Factors among Residents of Birbir Town

Addisu AG^{*}, Sultan H, Deginet T, Addishiwot Z, Samuel T, Bereket A and Afewerki G

Department of Nursing, College of Medicine and Health Sciences, Arba Minch University, Arba Minch, Ethiopia

^{*}Corresponding author: Addisu Alemayehu Gube, Master of Public Health/General, Department of Nursing, College of Medicine and Health Sciences, Arba Minch University, p.o: Box 21, Arba Minch, Ethiopia, +251-9-12119726, Fax: +251-46-8810279; E-mail: [DGGLV](mailto:DGGLV@arbaaminch.edu.et) #[JPDLO FRP](mailto:JPDLOFRP@arbaaminch.edu.et)

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Abstract

Blood transfusion is a medical procedure that is designed to provide patients who need blood or blood products to correct a defect. Secure supply of safe blood components, based on voluntary, non-remunerated blood donation is an important national goal to prevent blood shortages. Now a day, in many low and middle income countries, blood supply is critically inadequate. Therefore, the objective of this study was to assess knowledge, attitude, and practice of voluntary blood donation and associated factors among adults of Birbir town. Community based cross sectional study design was employed among residents of Birbir town with 387 samples from July 1 to July 30, 2016. After proportional allocation to size to each of 4 villages, systematic sampling method was used to select households. Data was collected from all villages by investigators using standard questionnaire. Finally data was entered and analyzed using SPSS version 20 software. About 144(38.3%), 170(45.2%) and 40(10.6%) of respondents have adequate knowledge, favorable attitude and donated blood respectively. Educational status and occupation were determinants of knowledge, age and knowledge were determinants of attitude and attitude was the only determinant of practice of voluntary blood donation. This study revealed that the prevalence of knowledge, attitude and practice of voluntary blood donation is low. There is a need to design and implement community based awareness creation and education campaigns to build community awareness, positive attitude, and boost voluntary blood donation among the communities.

Keywords: .QRZOHGJH \$WWLWXGH 3UDFWLFD
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Variable		Frequency	Percent (%)
Age	18-22	83	22.1
	23-27	63	16.8
	28-32	70	18.6
	33-37	52	13.8
	38-42	55	14.6
	43-47	29	7.7
	48-52	10	2.7
	53-57	8	2.1
	58-65	6	1.6
Sex	Male	213	56.6
	Female	163	43.4
Marital status	Married	243	64.6
	Single	117	31.1
	Divorced	8	2.1
	Widowed	8	2.1
Educational status	Unable to read and write	11	2.9
	able to read and write	45	12
	1-8 grade	129	34.3
	9-12 grade	102	27.1
	12+	89	23.7
Religion	Protestant	205	54.5
	Orthodox	140	37.2
	Muslim	17	4.5
	Others	14	3.7
Ethnicity	Gamo	240	63.8
	Wolaita	103	27.4
	Gofa	21	5.6

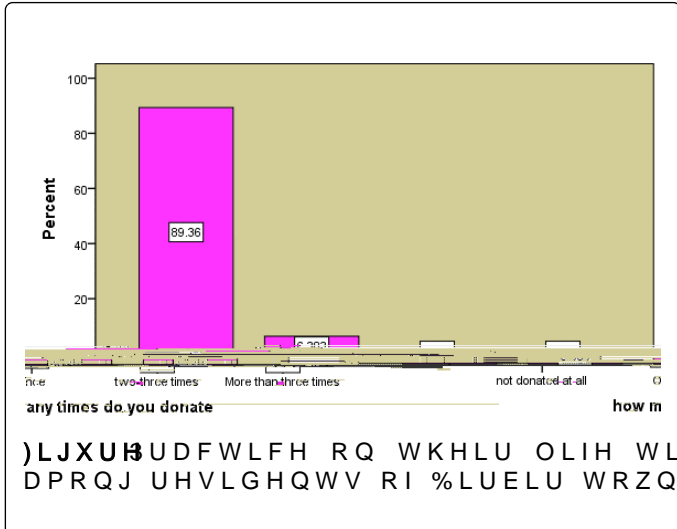
	O+	17	36.2
	O-	2	4.3
Can a person be infected by receiving blood transfusion?	Yes	181	48.1
	No	110	29.3
	I don't know		

Should patient relative be asked to donate blood?	Yes	304	80.9
	No	32	8.5
	I don't know	40	10.6
Do you encourage others to donate blood?	Yes	208	55.3
	No	168	44.7

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& DQG ZLWK RWKHU RFFXSD
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)XUWKHU DQDO\VLV RI WKH IDFWRUV DVVRFLDWHG ZLWK NQRZOHGJH RI YROXQW

Occupation				
Government employee	73(19.4%)	48(65.8%)	1	1
Students	84(22.3%)	37(44.0%)	0.410(0.215,0.783)	0.514(0.260,1.013)
Merchant	85(22.6%)	39(45.9%)	0.442(0.232,0.841)	0.671(0.336,1.343)
Farmer	55(14.6%)	8(14.5%)	0.089(0.036,0.216)	0.231(0.079,0.678)
House wife	69(18.4%)	6(8.7%)	0.050(0.019,0.130)	0.098(0.033,0.295)
Others	10(2.7%)	6(60.0%)	0.781(0.202,3.027)	1.464(0.340,6.316)

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)DFWRUV DVVRFLDWHG ZLWK DWWLWXGH WRZDUGV YROXQWDU\ EORRG GRQDWL

Variable	n(%)	Voluntarily donated blood	Crude odds ratio (95% CI)	Adjusted odds ratio (95%CI)
Attitude				
Unfavorable attitude	206(54.8%)	12(5.8%)	1	1
Positive attitude	170 (45.2%)	28(16.5%)	3.188(1.567,6.484)	3.188(1.567,6.484)

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