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"A STUDY TO ASSESS THE EFFECTIVENESS OF AN EDUCATIONAL PACKAGE ON KNOWLEDGE AND PRACTICE REGARDING SELECTED ISOMETRIC EXERCISES AMONG THE ELDERLY POPULATION AT SELECTED AREAS OF MORDABAD, UTTAR PRADESH."

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ABSTRACT

In the phrase "isometric means that during those sporting activities Even though the contraction power can be adjusted, the muscle's period and the joint's attitude do not alter. An isometric workout involves the static contraction of a muscle with no visible motion inside the joint's attitude. **Objective:** To assess the effectiveness of an educational package on knowledge and practice regarding selected isometric exercises among the elderly population. Pre-Test and post-test of control group design was adopted. This study was conducted among 100 elderly population of Bhesod village at Moradabad, U.P. Convenient sampling technique was used to select the samples. In this study the knowledge of experimental group in pre-test knowledge the score of good knowledge frequency is 0 and percentage 0%, average knowledge **34(78%)** and poor knowledge 16(32%). In post-test good knowledge 18(36%), Average knowledge 32(64%) and poor average 0(0%). The knowledge of control group in pre-test knowledge the score of good knowledge

0(0%), average knowledge **47(94%)** and poor knowledge 3(6%). In post-test good

knowledge 0(0%), Average knowledge **47(94%)** and poor average 3(6%). The practice of experimental group in pre-test

practices the score of good practice 0(0%), average practice 5(10%) and poor practice **45(90%)**. In post-test good practice 8(16%), Average practice **42(84%)** and poor practice 0(0%).The practice of control group in pre-test practice the score of good practice 0(0%), average practice 3(6%) and poor practice **47(94%)**.In post-test good practice 0(0%), Average practice 1(2%) and poor practice **49(98%)**.

INTRODUCTION

An isometric workout involves the static contraction of a muscle with no visible motion inside the joint's attitude. Isotonic contractions, on the other hand, maintain the same contraction power regardless of muscle length or joint attitude. Isometric pushes, pulls, and holds are the three main types of isometric workouts. The visual position of the joints is maintained during an isometric movement. While this definition applies to all isometric sporting activities, other sub-definitions can be used

to emphasise how effort is required at different points. Maintaining a perfect frame position, often known as maintaining an isometric hold, is the goal of a yieldingisometric workout. Pushing or pulling against any part of the body that pushes or pulls it back with equal effort, or moving an immovable object, is the purpose of an overcoming isometric workout. Based on this concept, an overcoming isometric might also be called an isometric press or pull. Three The blessings of Isometric sporting activities are Lowers Blood Pressure (Isometrics were confirmed to lessen systolic blood stress higher than cardio and resistance education in a few studies), Aids in Weight Loss (Isometric workout blessings consist of lowering each frame fats and weight. In a check group, a few topics misplaced as a lot as 22 kilos over a 4-weekperiod), Saves You Time(Using isometric workout for six mins will be the equalmuscle paintings of 30 to 35 mins on a industrial weight lifting equipment), Reduce Overall Pain(Older adults enjoy large discount in ache next to numerous specific intensities and periods of contractions),Reduce isometric Back Pain(Isometrics reduces ache and will increase energy amongst ladies with low again ache, with outcomes lasting minimum nine as а months)Improve Range of Motion(Regular isometric sporting activities were proven to seriously enhance variety of motion),Get Stronger and Bigger Muscles(Isometric workout is related to an growth in muscle bulk, top and decrease frame energy, growth in bone density, and a lower in bone fractures), Benefits Over Aerobic Exercise(Stretching and cardio workout by myself have confirmed to be a much less powerful shape of education than isometric energy education), Improve Stamina(Isometric energy education could have useful outcomes on overall performance for the duration of patience events). There are numerous kinds of isometrics sporting activities for antique age people.

PROBLEM STATEMENT

"A study to assess the effectiveness of an educational package on knowledge and practice regarding selected isometric exercises among the elderly population at selected areas of Moradabad, Uttar Pradesh".

OBJECTIVES

- To, assess, the, level of knowledge regarding selected isometric exercisesamong, the elderly population at selected areas of Moradabad, UP.
- To assess the level of practice regarding selected isometric exercises amongthe elderly population at selected areas of Moradabad, UP.
- To evaluate the effectiveness of educational package on knowledge and practice regarding selected isometric exercises among the elderly population atselected areas of Moradabad, UP.
- To find out the association between the pretest on knowledge score regardingselected isometric exercises among elderly population with their selected sociodemographic variables at selected areas of Moradabad, UP.
- To find out the association between the pretest on practice score regardingselected isometric exercises among the elderly population with their selected socio demographic variables at selected areas of Moradabad, UP.

Schematic Representation of Research Methodology





DESCRIPTION OF TOOL

The tool consists of the following sections:-Section A: Demographic Variable such as Age, gender, education, religion, monthly income in rupees, marital status, family type, dietary pattern, occupation, and area of residence.

Section B: Structured Knowledge Questionnaire regarding isometric exercises.

Section C: Observational checklist to assess the practice of isometric exercises among elderly population.

DATA COLLECTION PROCEDURE

The final study was conducted from 17th Jan to 31 Jan 2022 from 7 a.m. to 6 p.m. Data was collected from 50 people in Kadalpur village of Moradabad, to establish the study's feasibility, identify any weaknesses in the design, and design a strategy for main analysis of data was collected and analysed using descriptive and inferential statistics. A formal written consent was received from the Gram Pradhan of Bhesod village at Moradabad. The researcher introduce herself and explained the purpose of study. A written Informed consent was taken from sample in the study. Pretesting was done to assess the level of knowledge and practices among elderly population by using knowledge questionnaire and observational checklist.

ETHICAL CONSIDERATION

- The researcher has obtained permission before undertaking the researchinvestigation. Authorities in specified Moradabad localities.
- Informed written consent would be taken from the elderly population whoagreed to participate in the research.
- Individual privacy and confidentiality would be protected throughout thestudy.
- Ethical principles would be followed throughout the study to the best of myknowledge and practices.

RESULTS

The data is analysed in accordance with the study's objectives:

- Section A: Distribution frequency and percentage of demographic variable among elderly population.
- Section B: To assess the level of knowledge and practice regarding selected isometric exercises among the elderly population at selected areas of Moradabad, UP
- Section C: To evaluate the effectiveness of an educational package on knowledge and practice regarding selected isometric exercises among theelderly population at selected areas of Moradabad, UP
- Section D: To find out the association between the pretest on knowledge scoreand practice score regarding selected isometric exercises among elderlypopulation at selected areas of Moradabad, UP

SECTION A: Frequency and percentage distribution of demographic characteristics of the study subjects.

TABLE 1: Frequency and percentage distribution of sample according to demographic variables.

Sr.	Sociodemograp		Experimental	Control
		Category	n=50	n=50

No.	hic		£	07	£	0/
	Variables		I	%0	Ι	%0
		55-59years	41	82	29	58
1	Age inyears	60- 64years	5	10	12	24
		65-69years	2	4	5	10
		70-75years	2	4	4	8
		Male	34	68	41	82
2	Gender	Female	16	32	9	18
	Other	0	0	0	0	
		No formaleducation	3	6	9	18
		Primary	11	22	6	12
3 Educati	Education	Secondary	4	8	5	10
		Graduate andabove				
			32	64	30	60
		Hindu	19	38	29	58
4	Religion	Muslim	31	62	21	42
	J	Christian	0	0	0	0
		Others	0	0	0	0
		Rs-<_10000	10	20	7	14
	Monthly	Rs-10001–20000	6	12	16	32
5	incomein Rs	Rs-20001 – 30000	18	36	0	0
		Rs-30000and				
		Above	16	32	27	54
	<u>. </u>	Single	0	0	0	0
6	MaritalStatus	Married	36	72	46	92
		Divorced	2	4	2	4

		Widower	12	24	2	4
		Nuclear	4	8	4	8
7	7 TypeofFamily	Joint	46	92	46	92
		Extended	0	0	0	0
		Other	0	0	0	0
8	Dietarypattern	Vegetarian	8	16	19	38
		Non-Vegetarian	42	84	31	62
		Unemployed	4	8	2	4
9	Occupation	Professional	0	0	7	14
		Business	42	84	37	74
		Anyotherspecify	4	8	4	8
10	Area of	Rural	50	100	50	100
	residence	Urban	0	0	0	0

Table1:revealedthatthemajorityofpercentageandfrequencydistributionofsample characteristics are, In experimental group , 41 (82%) elderly population wereaged between 55-59 years, 34(68%) were males, 32(64%) of them had completedgraduate and above education, 31(62%) were Muslims, 18(36%) were Rs 200021-30000 of monthly income in Rs, 36(72%) were married , 46(92%) were from jointfamily, 42(84%) were nonvegetarian , 42(84%) of them had business, 50(100%) werefromrural area.

In control group , 29 (58%) elderly population were aged between 55-59 years, 41(82%)weremales, 30(60%) of them had completed graduate and above education,

29(58%)wereHindu,27(54%)wereearningRs30,000andaboveofmonthlyincome, 46(92%) were married , 46(92%) were from joint family, 31(62%) were non-vegetarian,37(74%) ofthemhadbusiness,50(100%) werefromruralarea.

Section B: Assess the level of knowledge and practice regarding selected isometric exercises

among he elderly population

TABLE2.1:ShowingtheAssessmentofknowledge amongexperimental group

N=50

C.		G	pre-testK	nowledge	Post-testKnowledge	
Sr. No	Criterion	ange	Frequency	Percentage	Frequency	Percentage
1	Good Knowledge	17to 25	0	0	18	36
2	Average Knowledge	9to 16	34	78	32	64
3	Poor Knowledge	0to 8	16	22	0	0

 Table2.1revealed that theknowledgeof experimental group in pretest knowledgethe score of

 good
 knowledge
 frequency
 is
 0
 and
 percentage
 0%,
 average

 knowledge34(78%)andpoorknowledge16(22%).Inposttestgoodknowledge18(36%),Averagekno
 wledge32(64%)
 andpooraverage0(0%).

Table 2.2Assessmentofknowledgeamongcontrolgroup

N=50

			nna taat	n o pulo di co	Dest test	'n orvlod oo
Sr.	a . .	Scoringr	pre-testk	nowledge	Post-testr	nowledge
No	Criterion	ange	Frequency	Percentage	Frequency	Percentage
1	Good	17, 05	0	0	0	0
	Knowledge	17to 25	0		0	
	Average	0, 10	47	94	47	94
2	Knowledge	9to 16	47		47	
	Poor	0. 0		6		6
3	Knowledge	Uto 8	3		3	

Table 2.2 revealed that the knowledge of control group in pretest knowledge the scoreof good

knowledge 0(0%), average knowledge **47(94%)** and poor knowledge 3(6%). In posttest good knowledge 0(0%), Average knowledge **47(94%)** and poor average3(6%).

Table2.3Assessmentofpracticeamongexperimental group

N=50

Sr	Sr Range		pre-test]	pre-testPractice		Post-testpractice	
No	Criterion	ofscor e	Frequency	percentage	Frequency	Percentage	
1	Good	13to	0	0	8	16	
	Practice	17	0		0		
	Average	7to12	05	10	42	84	
2	Practice	/1012	05		42		
	Poor	Oto 6		90		0	
3	Practice	010 0	45		0		

Table 2.3 revealed that the practice of experimental group in pretest practice the scoreof good practice 0(0%), average practice 5(10%) and poor practice 45(90%).In posttestgoodpractice8(16%),Averagepractice42(84%) and poorpractice0(0%).

Table 2.4Assessmentofpracticeamongcontrol group.

Sr.	r.	Range	pretestP	ractice	Posttest	oractice
No	Criterion	ofscor e	Frequency	percentage	Frequency	percentage

1	Good	13to	0	0	0	0
	Practice	17	0		0	
	Average	7to12	2	6	1	2
2	Practice	/1012	3		1	
	Poor	Oto 6		94		98
3	Practice	010 0	47		49	

Table 2.4 revealed that the practice of control group in pretest practice the score of goodpractice0(0%), average practice3(6%) and poor practice47(94%).Inposttestgoodpractice0(0%),Average practice 1(2%) and poor practice49(98%).



Figure:Figureshowingassessmentofpracticeamongcontrolgroup

SectionC:Effectivenessofaneducationalpackageonknowledgeandpracticeregardingselecte disometric exercisesamongthe elderlypopulation.

N=50

Sr.No	Test	Mean	Standarddev iation	Mean%	pairedttest
1	Pre	9.74	3.52	38.96	
2	Post	15.82	2.104	63.28	14.057*
* G : : C				1 60 05	

*Significant,^{NS}Non significant

atthelevelof 0.05

Table 3.1 revealed that effectiveness of an educational package on knowledgeinexperimentalgrouppretestscorethemeanis9.74,standarddeviationis3.52andmeanpercentageis38.96%.Inpostscoretheismeanis15.82,standarddeviationis

2.104 and mean percentage is 63.28% and the paired t test value is **14.057*** and**p=0.0001** at the level of **0.05** that is significant. Hence Research hypothesis (H1) wasaccepted.



Figure:showingComparisonofknowledgescoresbetweentheexperimental group'spre-and

post-tests

Table 3.2: Comparison of knowledge scores between the control group's pre- andpost-tests

N=50

Sr.No	Test	Mean	Standarddeviation	Mean%	pairedttest
1	Pre	10.68	2.111	42.72	
2	Post	10.8	2.144	43.2	1.534 ^{NS}
*Significa	nt, ^{NS} Non sign	atthe levelo	of 0.05		

*Significant,^{NS}Non significant

Table 3.2 revealed that the effectiveness of an educational package on knowledge incontrol group pretest score the mean is 10.68, standard deviation is 2.111 and mean % is 42.72%. In posttest score mean is 10.8, standard deviation is 2.144 and $mean percentage is 43.2\% and the paired the stvalue is 1.5345^{NS} and P=0.131 at the level of$ 0.05 that is not significant.

Table3.4: ComparisonbetweenPre-andpost-testpractisescores in the experimental group

N=50

S.No	Test	Mean	Standarddeviat ion	Mean%	pairedttest
1	Pre	4.44	1.43	26.12	
2	Post	11.26	1.18	66.24	26.043*
*Significant N	SNon signifi	icont	ottho l	avalaf 0.05	

Significant, ¹³Non significant atthe level of 0.05

Table 3.4 revealed that the effectiveness of an educational package on practice in the posttest of the exp group In this pretest group, the mean is 4.44, the standard deviation is 1.43, and the mean % is 26.12 percent; in the post-test group, the mean % is 26.12 percent the score of mean is 11.26, standard deviation is 1.18 and mean percentage is66.24% andthepairedttestvalueis26.043* and**P=0.001**Atthesignificantlevelof=

<0.05thatissignificant.Hence Researchhypothesis(H2)wasaccepted.

Table3.5:Comparisonbetweenpre-andpost-testpracticescoresinthecontrol group

N=50

Sr.No	Test	Mean	Standard deviation	Mean%	pairedt test
1	Pre	4.78	1.237	28.12	
2	Post	4.94	1.066	29.06	0.98 ^{NS}
N	IC				

*Significant,^{NS}Non significant

atthe levelof 0.05

Table 3.5 revealed that effectiveness of an educational package on practice in posttestof control group the pretest score of mean is 4.78, SD is 1.237 and mean % is 28.12% and in posttest score of mean was 4.94, standard deviation is 1.066 and mean % is 29.06% and the unpaired t test value is 0.98^{NS} and P=0.164 At the significant levelof= <0.05 that is not significant.



Table 3.6: Comparison between post-test practices cores between experimental and control group the second second

N=100

Sr.No	Test	Mean	Standardde viation	Mean%	unpaired ttest
1	Exp	11.26	1.18	66.24	
2	Control	4.94	1.066	29.06	28.102^{*}
	10				

*Significant,^{NS}Non significant

atthe levelof 0.05

Table 3.6 revealed that effectiveness of an educational package on practice in posttestof control and experimental group, the exp group score of mean is 11.26, standarddeviation is 1.18 and mean percentage is 66.24% and in control group the score of mean was 4.94, SD is 1.066 and mean % is 29.06% and the unpaired t test value is 28.102* and P=0.0001 At the significant level of= <0.05 that is significant.HenceResearchhypothesis (H4)wasaccepted.

SectionD:Associationbetweenthepretestonknowledgescoreandpracticescoreregardingselectedisometricex ercisesamongelderlypopulation.

 Table - 4.1: Association between level of selectedsociodemographicvariableofexperimentalgroup
 knowledge
 with

			Knowled Poor		gelevel Average		5			P ValueT	Inference	
Sr. No.	Sociodemographic Variables	Category	f	%	f	%	Total	Chaisqua revalue	Df	value		
		55-59years	13	31.7 1	2 8	68.2 9	41			P value=0.	Notsignificant	
1	Ageinyears	60-64years	1	0.00	4	80.0 0	5	5.523	3	137T value=3.		
		65-69years	2	0.00	0	0.00	2	10		18		

		70-75years	0	0.00	2	100. 00	2				
		Male	12	35.2 9	2 2	64.7 1	34			P value=0.	Notsignificant
2	Gender	Female	4	25.0 0	1 2	75.0 0	16	0.529 _{NS}	1	467T value=12	
		Other	0	0.00	0	0.00	0			.17	
		No formaleducatio n	2	66.6 7	1	33.3 3	3			P value =0.008	significant
3	Education	Primary	3	27.2 7	8	72.7	11	1.868 _{NS}	3	T value=3.	
		Secondary	1	25.0 0	3	75.0 0	4			18	
		Graduateandab ove	10	31.2 5	2 2	68.7 5	32	R			
		Hindu	7	36.8 4	1 2	63.1 6	19			P value =0.285	Notsignificant
4	Religion	Muslim	9	29.0 3	2 2	70.9 7	31	0.33 ^{NS}	1	value=12	
		Christian	0	0.00	0	0.00	0			. / 1	
		Rs-<_10000	7	0.00 70.0 0	3	0.00 30.0 0	10	È		P value	Pvalue =0.0722
		Rs - 10001 – 20000	2	33.3 3	4	66.6 7	6			=0.072 2	T value=3.18
5	Monthly incomeinRs	Rs-20001 - 30000	4	0.00	1 4	0.00	18	8.722*	3	value=3.	
		Rs-30000 andAbove	3	18.7 5	1 3	81.2 5	16				
		Single	0	0.00	0	0.00	0			Р	Notsignificant
		Married	11	30.5 6	2 5	69.4 4	36			value =0.856	

6	MaritalStatus	Divorced	1	50.0 0	1	50.0 0	2	0.342 NS	2	T value=4.	
		Widower	4	33.3 3	8	66.6 7	12			30	
		Nuclear	2	50.0 0	2	50.0 0	4			P value	Notsignificant
7	TypeofFamily	Joint	14	30.4 3	3 2	69.5 7	46	0.647 _{NS}	1	=0.487 T	
		Extended	0	0.00	0	0.00	0			value=12 .71	
		Other	0	0.00	0	0.00	0				
		Vegetarian	3	37.5 0	5	62.5 0	8			P value 0 797	Notsignificant
8	Dietarypattern	Non- Vegetarian	13	30.9 5	2 9	69.0 5	42	0.132 NS	1	T value=12	
				תו							
		Unemployed	4	100. 00	0-	0.00	4			P value	Notsignificant
9	Occupation	Professional	0	0.00	0	0.00	0	3.008	2	0.485 T value=4.	
	1	Business	12	28.5 7	3 0	71.4 3	42	NS		30	
		Any otherspecify	0	0.00	4	100. 00	4				
10	Area ofresidence	Rural	16	32.0 0	3 4	68.0 0	50	Constant			
		Urban	0	0.00	0	0.00	0				

*Significant,^{NS}Non significant

atthe levelof 0.05

 Table 4.1 found that there was a significant knowledge association in experimentalgroup withmonthly income

 in
 rupees(p<0.05)</th>
 but
 no
 association
 between
 age

 inyrs,gender,education,religion,maritalstatus,typeoffamily,dietarypattern,occupation,area
 ofresidence.Hencehypothesis(H5)isaccepted.

Table 4.2 Association between level of practice with selected sociode mographic variable of expgroup the selected second set of the seco

				Practice	eleve	el		Chaisquare		Р	Inference
Sr. No.	Sociodemogra phicVariables	Catogary	Po	oor	A	vera ge	Total	value	D f	valueTvalu e	
			f	%	f	%					
		55-59 years	37	90.2 4	4	9.7 6	41			P value =0.8007	Notsignifican t
1	Age inyears	60-64years	4	0.00	1	20. 00	5	1 002 ^{NS}	3	T value=3.	
1		65-69 years	2	0.00	0	0.0 0	2	1.002	5	18	
		70 -75 years	2	0.00	0	0.0 0	2	R			
		Male	32	94.1 2	2	5.8 8	34			P value =0.157	Notsignifican t
2	Gender	Female	13	81.2 5	3	18. 75	16	2.001 ^{NS}	1	T value=12.	
		Other	0	0.00	0	0.0 0	0			71	
		Noformaleduc ation	1	33.3 3	2	66. 67	3			P value =0.0086 T	Significant
2	Education	Primary	10	90.9 1	1	9.0 9	11	11.659*	2	value=3.	
5	Education	Secondary	4	100. 00	0	0.0 0	4	11.038*	3		
		Graduateandab ove	30	93.7 5	2	6.2 5	32				
4	Religion	Hindu	16	84.2 1	3	15. 79	19	1.141 ^{NS}	1	P value =0.285	Not significant

		Muslim	29	93.5 5	2	6.4 5	31			T value=12.	
		Christian	0	0.00	0	0.0 0	0			71	
		Others	0	0.00	0	0.0 0	0				
		Rs- <_10000	7	70.0 0	3	30. 00	10			P value =0.0722	Notsignifican t
	Monthlyinco	Rs - 10001 – 20000	5	83.3 3	1	16. 67	6			T value=3.	
5	me inRs	Rs - 20001 – 30000	18	0.00	0	0.0 0	18	6.99 ^{NS}	3	18	
		Rs-30000 andAbove	15	93.7 5	1	6.2 5	16				
		Single	0	0.00	0	0.0 0	0	R		P value =0.856	Notsignifican t
6	MaritalStatus	Married	32	88.8 9	4	11. 11	36	309 ^{NS}	2	T value=4.	
		Divorced	2	100. 00	0	0.0 0	2			30	
		Widower	11	91.6 7	1	8.3 3	12				
		Nuclear	4	100. 00	0	0.0 0	4			P value =0.487	Notsignifican t
7	Туре	Joint	41	89.1 3	5	10. 87	46	0 483NS	1	T value=12.	
/	ofFamily	Extended	0	0.00	0	0.0 0	0	0.465	1	71	
		Other	0	0.00	0	0.0 0	0				
8	Dietarypatter n	Vegetarian	7	87.5 0	1	12. 50	8	0.066 ^{NS}	1	P value =0.797	Notsignifican t

		Non- Vegetarian	38	90.4 8	4	9.5 2	42			T value=12. 71	
		Unemployed	3	75.0 0	1	25. 00	4			P value =0.483	Notsignifican t
9	Occupation	Professional	0	0.00	0	0.0 0	0	1.455 ^{NS}	2	value=4.	
		Business	38	90.4 8	4	9.5 2	42				
		Any otherspecify	4	100. 00	0	0.0 0	4				
10	Area	Rural	45	90.0 0	5	10. 00	50	Constant			
	orresidence	Urban	0	0.00	0	0.0	0				

*Significant,^{NS}Non significant

atthe levelof 0.05

Table 4.2 revealed that there wasan significant association of practice inexp groupwith **education** (p<0.05)but no association between age in years, gender, religion,maritalstatus,type of family,dietarypattern,occupation,areaofresidenceandmonthly income in rupees . Hence hypothesis (H6) is accepted. Null hypothesis isbeingrejected.

Table 4.3 Association between level of knowledge with selected sociodemographicvariable of control

group

N=50

G .,	Socio		Kno	wledgel	evel			Chaisquarava		Р	Inference
Sr.	demographicVa	Categary	Poo	r	Aver	age	Total	Chaisquareva	Df	valueTvalue	
INO.	riables		f	%	f	%	-	iue			
		55-59years	3	10.34	26	89.66	29			Р	Notsignifica
		60-64 years	0	0.00	12	100.00	12	-		value=0.510T	nt
1	Ageinyears	65-69years	0	0.00	5	100.00	5	2.311 ^{NS}	3	value=3.18	
		70-75					_	-			
		years	0	0.00	4	100.00	4				
		Male	1	2.44	40	97.56	41			Р	
		Female	2	22.22	7	77.78	9			value=0.022T	significant
2	Gender							5.121*	1	value=12.71	
		Other	0	0.00	0	0.00	0				
					H,						
		Noformal	0	0.00	9	100.00	9			Р	Notsignifica
		education			Ĺ					value=0.547T	nt
3	Education	Primary	0	0.00	6	100.00	6	2.127 ^{NS}	3	value=3.18	
C		Secondary	0	0.00	5	100.00	5		0		
		Graduate	3	10.00	27	90.00	30				
		andabove		10100			00				
		Hindu	0	0.00	29	100.00	29			Р	significant
		Muslim	3	1 <mark>4.29</mark>	18	85.71	21			value=0.035T	
4	Religion	Christian	0	0.00	0	0.00	0	4.407*	1	value=12.71	
		Others	0	0.00	0	0.00	0				
		Rs-	0	0.00	7	100.00	7			Р	Notsignifica
		<_10000								value=0.762T	nt
		Rs-10001–	1	6.25	15	93.75	16			value=4.30	
5	Monthlyincome	20000						0.543 ^{NS}	2		
	inRs	Rs-20001–	0	0.00	0	0.00	0				
		30000									
		Rs-30000	2	7.41	25	92.59	27				
		andAbove									
										Р	Notsignifica
		Single	0	0.00	0	0.00	0			value=0.870T	nt
6	MaritalStatus							0.278 ^{NS}	2	value=4.30	
		Married	3	6.52	43	93.48	46				
		Divorced	0	0.00	2	100.00	2				
		Widower	0	0.00	2	100.00	2				
		Nuclear	0	0.00	4	100.00	4			Р	Notsignifica

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7	Type ofFamily	Joint Extended Other	3 0 0	6.52 0.00 0.00	43 0 0	93.48 0.00 0.00	46 0 0	0.277 ^{NS}	1	value=0.598T value=12.71	nt
		Vegetarian	0	0.00	19	100.00	19			Р	Notsignifica
8	Dietarypattern	Non- Vegetarian	3	9.68	28	90.32	31	1.956 ^{NS}	1	value=0.161T value=12.71	nt
		Unemployed	0	0.00	2	100.00	2			Р	Notsignifica
		Professional	0	0.00	7	100.00	7			value=0.368T	nt
9	Occupation	Business	2	5.41	35	94.59	37	3.157 ^{NS}	3	value=3.18	
		Anyother specify	1	25.00	3	75.00	4				
10	Areaof	Rural	3	6.00	47	94.00	50	Constant	•		
-	residence	Urban	0	0.00	0	0.00	0				

*Significant,^{NS}Non significant

atthe levelof 0.05

Table 4.3 found that, significant correlation between levels of knowledge is there incontrol group with religion and gender (p<0.05) but no association between age inyears, education, monthly income in Rs, marital status, type of family, dietary pattern, occupation, area of residence.

Table4.4Associationbetweenlevelofpracticewithselectedsociodemographicvariable of control group.

N=50

r No	Sociodemogra			Practice	eleve	el				Р	Inference
1.110	phic	Catagory			A	verag	Total	Chaisquarev	df	valueTvalue	
•	Variables	Category		Poor		e		alue			
			f	%	f	%					
		55-59	2	06.55	1	2.45	20			Р	Notsignifica
		years	8	96.55	1	3.45	29			value=0.144	nt
	Age inyears									Т	
1		60-64	1	0.00	0	0.00	12	5 200NS	2	value=3.18	
1		years	2					5.39813	3		
		65 69				20.0					
		vears	4	0.00	1	20.0	5				
		years				Ŭ					
		70-75	2	0.00	1	25.0	4				
		years	3	0.00	1	0	4				

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			3	0.0.40						Р	Notsignifica
		Male	8	92.68	3	7.32	41			value=0.402	nt
										Т	
2	Gender	Female	9	100.0	0	0.00	9	0.7005 ^{NS}	1	value=12.	
		i cinare	Í	0	Ū	0.00	-			71	
								_			
		0.1	0	0.00	0	0.00	0				
		Other	0	0.00	0	0.00	0				
		Noformal				11.1				D	Nataianifian
		Notorman	8	88.89	1	11.1	9			r voluo_0 507	Notsignifica
		education				1				value=0.507	nt
						16.6		-			
3	Education	Primary	5	83.33	1	7	6	2.324 ^{NS}	3	value=3.18	
		Sacondary	5	100.0	0	0.00	5	_			
		Secondary	5	0	0	0.00	5				
		Graduate	2	96.67	1	3.33	30				
		andabove	9								
			2							Р	Notsignifica
		Hindu	7	93.10	2	6.90	29			value=0.754	nt
										Т	
4	Religion	Muslim	2	05.24	1	176	21	0.098 ^{NS}	1	value=12.	
	0	WIUSIIII	0	93.24	1	4.70	21			71	
		Christian	0	0.00	0	0.00	0				
		Others		0.00	0	0.00	0				
		Others		0.00	0	0.00	0				
		Rs-	6	85.71	1	14.2	7			P 1	Notsignifica
		<_10000				9				value=0.575	nt
	Monthlyincome	Rs-10001	1							Т	
5	inRs	-20000	5	93.75	1	6.25	16	1.106 ^{NS}	2	value=4.30	
			U U								
		Rs-20001	0	0.00	0	0.00	0				
		- 30000	0	0.00	0	0.00	0				
		Rs-30000	2	96.30	1	3.70	27				
		andAbove	6	-		-					
		Single	0	0.00	0	0.00	0			<u>,</u> а	Notsignifica
		Single	U	0.00	U	0.00	U			г . value_0 970	rt
		Married	4	93.48	3	6.52	46			value-0.870 T	nt
	MaritalStatus		3	20.10	5	0.02	10	O OZONS		1	
6					1			0.278^{N3}	2	value=4.30	

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		Divorced	2	100.0 0	0	0.00	2				
		Widower	2	100.0 0	0	0.00	2				
		Nuclear	4	100.0 0	0	0.00	4			P value=0.598	Notsignifica nt
7	Type ofFamily	Joint	4 3	93.48	3	6.52	46	0.277 ^{NS}	1	value=12. 71	
		Extended	0	0.00	0	0.00	0				
		Other	0	0.00	0	0.00	0				
		Vegetarian	1 8	94.74	1	5.26	19			P value=0.864 T	Notsignifica nt
8	Dietarypattern	Non- Vegetarian	2 9	93.55	2	6.45	31	0.029 ^{NS}	1	value=12. 71	
		Unemploy ed	2	100.0 0	0	0.00	2			P value=0.772 T	Notsignifica nt
9	Occupation	Profession al	7	100.0 0	0	0.00	7	1.121 ^{NS}	3	value=3.18	
		Business	3 4	91.89	3	8.11	37	5			
		Anyother specify	4	100.0 0	0	0.00	4				
10	Area ofresidence	Rural	4 7	94.00	3	6.00	50	Constant			
		Urban	0	0.00	0	0.00	0				

*Significant,^{NS}Non significant

atthe levelof 0.05

Table 4.4 found that there was no evidence of a link between level of practice and certain sociodemographic factors and the second se

torsin thecontrolgroup.

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