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"A Comparative Study To Assess The Knowledge And Attitude On Prevention And Management Of Tuberculosis Among The Population In Selected Urban And Rural Area Of District Fatehabad (Haryana)"

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Abstract

A comparative study to assess the knowledge and attitude on prevention and management of tuberculosis among the population in selected urban and rural area of district Fatehabad. In this study the urban population knowledge was adequate in only 4% of the participant where as in rural population it was adequate in only 0% of the participant. in urban population the attitude was found to be good for 56% and in rural population it was 45% study concludes that the general population should be sensitized with the knowledge of tuberculosis and its management to enhance their understanding and to have a better attitude.

Materials and Methods: A descriptive dezign was taken for this study. the study was conducted in urban and rural area district, Fatehbad. the sample size was 100. the convinient sampling was used. Data were collected from the urban and rural people to assess the level of knowledge by using structured knowledge questionnaire, the collected data were tabulated and analysed by descriptive and inferential statistics.

Results:The result shows in urban population knowledge was adequate in only 4% of the participant where as in rural population it was adequate in only 0% of the participant. in urban population the attitude was found to be good for 56% and in rural population it was 45%.study concludes that the general population should be senstized with the knowledge of tuberculosis and its management to enhance their understanding and to have a better attitude.

Conclusion:Study concludes that the general population should be senstized with the knowledge of tuberculosis and its management to enhance their understanding and to have a better attitude.

Keywords: comparative, Assess, Association, knowledge, Attitude, Population, Tuberculosis, Urban, Rural.

INTRODUCTION

-Tuberculosis is an infectious disease known to have existed from ancient times.the disease has been perpetuated and maintained in the human population.it repersent a dynamic balance between man and mycobacterium tubercle bacilli,the disease primarily affects lungs and causes pulmonary tuberculosis. It can also affect meninges, intestine and bones.Even Today in INDIA ,two deaths occur every three minute from TB.Major challenges to control TB in India include poor primary health care infrastructure in rural areas of many states unregulated private health care leading to wildspread irrational use of first line and second line anti TB drugs.spreading HIV infection ,poverty,lack of political bill and currupt administration. A collaborative effort is in progress between NTCPand National Rural Health Mission which is a reform initiative which the goal is to improve primary health care in rural areas.In addition to this,NTCP has established several initiative to coordination with the private sector and the Indian Medical Association IMA to improve TB care. Despite the governments wide renging and ambitions TB programme, TB treatment is not followed uniformly across the private sector resulting in the rise of drug resistance.

46(46%)were male. According to educational status of urban population , majority of sample

49(49%)hadcompletedhighersecondary,29 (29%) had completed graduation,22(22%) had completed upto primary level,and 0(0%) had

METHODOLOGY

Research methodology is a plan of research study that give guidelines that gives guidelines, the research study process and enables in the ststemic data collection logical data organisation.evaluative research approach will be considered appropriate for the present study.the research design adopted for the study is descriptive reserch design.the sample size was 100.the study was conducted in rural area of samain and urban area Tohana at district Fatehbad.in this study non probability convienint sampling technique was adopted to select the sample.

RESULT

Age wise distribution of study sample revealed that the higher percentage of urban population was 53(53%) was in 41-50 years of age 30(30%) where in 20-30 years of age ,17(17%)where in 31-40 years of age.in rural population the mojority sample 55(55%) where in 41-50 years of age 26(26%) where in 20-30 years of 19(19%) where in 31-40. with the regards to the gender of urban population reveals that majority of sample 62(62%)were female,38(38%) male were rural population mojority of sample 54(54%) were female and no formal education.In rural population majority of sample 39(39%) had no formal education.in rural population majority of 39(39%)had formal sample no education,28(28%) had completed graduation,25(25%) had completed higher

secondary 8(8%) had completed upto primary level. In term of occupation of urban population shows that majority of sample 38(38%) public employee,33(33%) are others,27(27%) are private employee and 2(2%)

Were unemployed. In rural population, majority of sample were 40(40%) are others ,34(34%) public employee 19(19%) are private employee,7(7%) were unemployed.in terms of monthly income of urban population majority of sample 57(57%) were earns upto Rs 10000-20000 per month and 36 (36%) income was Rs 20,000-30,000 per month and 7(7%) income was Rs 30000 per month.In rural population ,mojority 61(61%)earns upto Rs10000-20000 per month and 32(32%) income was 20000-30000 per month and 7(7%)income was >30000 per month. According to religion in urban population majority of sample 79(79%) were Hindu ,6(6%) muslim 10(10%) Sikh 5(5%) others. In rural population majority of sample m7(77%) were Hindu 4(4%), Muslim 14(14%) Sikh 5(5%) others. Regarding dietary pattern pattern of urban population mojority of sample 66(66%) were vegetarian and 34(34%) were non vegetarian .in rural population majority of sample 73(73%) were vegetarian and 27(27%)was non vegetarian .In terms of family type in urban population majority of sample,61(61%) were nuclear family27(27%) were joint family, 12(12%)were extended family in rural population, majority of sample 49(49%) were

37(37%) were nuclear family ioint family 14(14%) were extended family. In terms of source of information in urban population majority of sample 79(79%) had information from personal observation 13(13%) from mass media and 8(8%) have information from news paper and books in rural population majority of sample 85(85%)had information from personal observation.in urban population 49% had inadequate knowledge,47%had moderate knowledge and 4%had adequate knowledge in rural population 75% had inadequate knowledge and 25%had moderate knowledge regarding prevention and management of tuberculosis.in urban 56% had positive attitude and 44% had negative attitude with score.in rural population 45% had positive attitude and 55% had negative attitude regarding prevention and management of tuberculosis. In urban population the mean and SD for knowledge score was 11.232.998 and in rural population mean and SD knowledge score was 9.062.309.the urban population had more knowledge that rural population regarding prevention and of management tuberculosis.the mean difference of knowledge score of urban and rural population was found higher significant with paired t test.

Assosiation between level of knowledge regarding prevention and management of tuberculosis among rural population

S.N	Demographic Variables	Inade	Moderate	Chi Value	df	P value
O		quate	Knowledge			
		know				
		ledge				
1	Age in Years	17	9	3.084	4	0.214NS
	A. 20-30 years	13	6			
	B. 31-40 years	45	10			
	C. 41-50 years					
2	Gender				2	0.487NS
	A. male	33	13	1.483		
	B.Female	42	12			
3	Educational Status	\rightarrow				
	A. primary	4	4	6.905	4	0.075NS
	B. secondary	21	4		3	
	C.Graduation	24	4			
	D.Illitrate	26	13			
4	Occupation					~
	C. A.Unemployed	6	1	5.929	3	0.115NS
	B. Public employee	24	10		10	ı. [—]
	C. Private employee	18	1		12	
	D. others	27	13			
5	Monthly Family Income					
	A.10001-20000					
	B.20001-30001	48	13	1.880	2	0.407NS
	C.>30000	23	9			
		4	3			
6	Religion					
	A. Hindu	59	18	6.899	3	0.075NS
	B. Muslim	1	3			
	C. Sikh	12	2			
	D. others	3	2			
7	Dietary Habits	57	16	1.370	1	0.242NS

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	10 0. 9

	Vegetarian	18	9			
	Non vegetarian					
8	Type of Family					
	A. Joint	37	12	1.305	2	0.521
	B. Nuclear	26	11			
	C. extended	12	2			
9.	Source of knowledge					
	A. Personal observation	62	23	1.992	2	0.369NS
	B. Mass media	8	2			
	C. News paper	5	0			

Assosiation between level of knowledge regarding prevention and management of tuberculosis among urban population.

CAL	D 1: W : 11	т 1	34 1 4	C1 ' 17 1	10	D 1
S.N	Demographic Variables	Inade	Moderate	Chi Value	df	P value
0		quate	Knowledge			
		know				
		ledge	-11			
1	Age in Years	14	16	10.52	2	0.214NS
	D. 20-30 years	7	7		10	
	E. 31-40 years	28	24			
	F. 41-50 years					
2	Gender				1	0.487NS
	E. male	23	14	3.294		
	B.Female	26	33			
3	Educational Status					
	D. primary	13	8	3.065	2	0.075NS
	E. secondary	22	24			
	C.Graduation	14	15			
	D.Illitrate	26	13			
4	Occupation					
	F. A.Unemployed	1	1	5.904	4	0.115NS

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	F. Public employee	20	17			
	G. Private employee	16	11			
	H. others	12	18			
5	Monthly Family Income					
	A.10001-20000					
	B.20001-30001	30	26	12.30	6	0.407NS
	C.>30000	17	18			
		2	3			
6	Religion					
	E. Hindu	40	36	4.105	6	0.075NS
	F. Muslim	2	3			
	G. Sikh	4	6			
	H. others	3	2			
7	Dietary Habits	32	30	2.170	2	0.242NS
	Vegetarian	17	17			
	Non vegetarian					
				. /	3	
8	Type of Family					
	D. Joint	14	13	2.667	4	0.521
	E. Nuclear	29	28			
	F. extended	6	6			
9.	Source of knowledge	-			10.	
	D. Personal observation	38	37	1.679	4.5	0.369NS
	E. Mass media	6	7			
	F. News paper	5	3			

Assosiation between level of attitude regarding prevention and management of tuberculosis among urban population.

S.N	Demographic Variables	Positi	Negative	Chi Value	df	P value
О		ve	attitude			
		Attitu				
		de				
1	Age in Years	18	12	1.446	2	0.792NS
	G. 20-30 years	10	7			
	H. 31-40 years	28	25			
	I. 41-50 years					
2	Gender				1	0.173NS
	I. male	18	20	1.853		
	B.Female	38	24			
3	Educational Status					
	G. primary	1	12	1.544	2	0.462NS
	H. secondary	10	19			
	C.Graduation	30			13	
	D.Illitrate	16	13			
4	Occupation					
	I. A.Unemployed	1	1	3.025	3	0.388NS
	J. Public employee	21	17			6
	K. Private employee	12	15		/11)
	L. others	22	11		12	
5	Monthly Family Income					
	A.10001-20000					
	B.20001-30001	31	26	1.739	2	0.691NS
	C.>30000	20	16			
		5	2			
6	Religion					
	I. Hindu	43	43	1.453	3	0.929NS
	J. Muslim	4	4			
	K. Sikh	6	6			
	L. others	3	3			
7	Dietary Habits	37	29	1.902	1	0.986NS
	Vegetarian	19	15			

			•	•	-	•
	Non vegetarian					
8	Type of Family					
	G. Joint	14	13	1.589	2	0.745NS
	H. Nuclear	36	25			
	I. extended	6	6			
9.	Source of knowledge					
	G. Personal observation	46	33	1.295	2	0.523NS
	H. Mass media	7	6			
	I. News paper	3	5			

Assosiation between level of attitude regarding prevention and management of tuberculosis among rurtal population.

S.N	Demographic Variables	Positi	Negative	Chi Value	df	P value
0		ve	attit <mark>ude</mark>			
		Attitu	= \			
		de				
1	Age in Years	13	13	1.368	2	0.832NS
	J. 20-30 years	8	11			0.1
	K. 31-40 years	24	31		/.0	7.0
	L. 41-50 years				12.	
2	Gender				1	0.778NS
	M. male	20	26	1.080		
	B.Female	25	29			
3	Educational Status					
	J. primary	5	3	1.358	3	0.781NS
	K. secondary	11	14			
	C.Graduation	12	16			
	D.Illitrate	17	22			
4	Occupation					
	L. A.Unemployed	3	4	2.059	2	0.949NS
	N. Public employee	14	10			
	O. Private employee	9	20			
	P. others	19	21			

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5	Monthly Family Income					
	A.10001-20000					
	B.20001-30001	25	37	1.998	3	0.357NS
	C.>30000	17	15			
		4	3			
6	Religion					
	M. Hindu	35	42	1.665	2	0.573NS
	N. Muslim	3	1			
	O. Sikh	5	9			
	P. others	2	3			
7	Dietary Habits	30	43	1.576	2	0.197NS
	Vegetarian	15	12			
	Non vegetarian					
8	Type of Family		4//			
	J. Joint	23	26	1.665	2	0.750NS
	K. Nuclear	17	20		13	
	L. extended	5	9			
9.	Source of knowledge					
	J. Personal observation	39	46	1.390	2	0.499NS
	K. Mass media	5	5		//	60
	L. News paper	1	4		11/	, •
					12	

Level of knowledge regarding prevention and management of tuberculosis among urban and rural population

level of knowledge		Urban	Rural	
	f	%	f	%
Inadequate knowledge	49	49	75	75
Moderate knowledge	47	47	25	25
Adequate knowledge	4	4	0	0
Score Range	7-21			4-14
Mean SD	11.23 2.998		9.06 2.309	

Level of attitude regarding prevention and management of tuberculosis among urban and rural population

level of Attitude	J	rban	Rural	Rural		
	f	%	f	%		
Strongly positive attitude	0	0	0	0		
Positive attitude	56	56	45	45		
Negative attitude	44	44	55	55		
Strongly negative attiotude	0	0	0	0		
Score range	27-51		24-46			
mean	38.41 6.243		35.85 6.362			

DISCUSSION AND CONCLUSION

The present study is concluded with implications to nursing field, limitation and delimitations with study design, methods and recommendations for the future. This will help the urban and rural people to gain knowledge and improve attitude in the area of general information regarding tuberculosis, knowledge related symptom and causes of tuberculosis, general information of life style modification knowledge related to prevention and management of tuberculosis.

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