CHAPTER – 7

Result – 4

Comparison between socio-economic, demographic characteristics and self reported morbidity status of two studied areas

7.1: Comparison between socio-economic, demographic characteristics and self reported morbidity status of two studied areas

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Table 7.1.1 presents parental education, occupation, family income, and expenditure among school going children of two areas. Parents were highly educated in industrial area compare to nonindustrial area. Industrial mothers' education was significantly different (x^2 = 246.01, p<0.001) from nonindustrial area. Major fathers (32.05%) were engaged in industrial job in industrial area and in nonindustrial area fathers were engaged with labour (43.96%). Maximum mothers were house wife in two areas. 4.35% mothers of industrial area were engaged with Govt. Job. Significant (x^2 = 45.27, p<0.001) difference was found in mother's occupation in two areas. Family income and expenditure of two areas was also statistically different.

Table 7.1.2 shows that comparisons between demographic characteristics of two areas. 43.48% families had 5 to 6 family members in nonindustrial area but in industrial area 57.97% families had 1 to 4 members. These difference was also statistically significant (x^2 = 47.41, p<0.001). No. of employed persons of families of two studied areas were significantly (x^2 = 14.85, p<0.001) different. House ownership was also significantly different in two areas (x^2 = 281.72, p<0.001). 99.68% and 66.18% children had better sanitary condition. This difference was statistically significantly (x^2 = 246.01, p<0.001) in two type of studied areas. 87.76% families were fully depended on gas. Cooking fuel type was also significantly different (x^2 = 877.23, p<0.001) in two areas. Sources of drinking water was significantly different (x^2 = 228.90, p<0.001) in two areas.

Table 7.1.3 represents disease, illness, and hospitalization of two areas. 35.27% children were suffered for different type of disease within 3 to 5 months in nonindustrial area but in industrial area 44.77% children were suffered for different type of disease above 6 months within one year. This difference was statistically significant (x^2 = 38.56, p<0.001).

Summary of Results

The important results of this chapter are summarized below

- In the present cross-sectional study shows that parents of the industrial area had better education than nonindustrial area. It also seen that economic condition was better in industrial area compare to nonindustrial area. Sanitary condition was also better in industrial area than nonindustrial area.

Tables

Table 7.1.1: Socio-economic characteristics

Variables	Categories	Nonindustrial area	(%)	Industrial area	(%)	x^2
Fathers' education	Scan sign	35	5.64	1	0.16	**259.21*****
	Primary	42	6.76	7	1.13	
	Upper primary	380	61.19	213	34.30	
	Secondary	101	16.26	111	17.87	
	Higher secondary	47	7.57	135	21.74	
	PG &UG	14	2.25	138	22.22	
	Others	2	0.32	16	2.58	
Mothers' education	Scan sign	42	6.76	1	0.16	**246.01*****
	Primary	46	7.41	9	1.45	
	Upper primary	367	59.10	231	37.20	
	Secondary	131	21.10	158	25.44	
	Higher secondary	31	4.99	110	17.71	
	PG &UG	4	0.64	112	18.04	
Fathers' occupation	Fishery	52	8.37	5	0.81	**275.12*****
	Business	90	14.49	92	14.81	
	Industrial Job	31	4.99	199	32.05	
	Labour	273	43.96	170	27.38	
	Agriculture	109	17.55	24	3.86	
	Govt. Job	13	2.09	63	10.14	
	Others	50	8.05	67	10.79	
Mothers' occupation	House wife	521	83.90	554	89.21	**45.27*****
	Business	44	7.09	29	4.67	
	Labour	24	3.86	4	0.64	
	SHG Group	27	4.35	7	1.13	
	Govt. Job	5	0.81	27	4.35	
Family income	≤1500Rs	258	41.55	148	23.83	**50.47*****
	1501-9999Rs	359	57.81	457	73.59	
	≥10000Rs	3	0.48	16	2.58	
Family expenditure	≤1400Rs	294	47.34	141	22.71	**92.56*****
	1401-9432Rs	326	52.50	466	75.04	
	≥9433Rs	0	0.00	14	2.25	

(%) – Percentage was done of total number of participants (separate area)

Table 7.1.2: Demographic characteristics

Variable	Categories	Nonindustrial area	(%)	Industrial area	(%)	x^2
Number of family members	1 (1 to 4 members)	241	38.81	360	57.97	**47.41***
	2 (5 to 6 members)	270	43.48	198	31.88	
	3 (above 7 members)	110	17.71	63	10.14	
Number of earning members	1 Person	463	74.56	470	75.68	**14.85***
	2-3Persons	135	21.74	145	23.35	
	4Persons	22	3.54	3	0.48	
House ownership	Own	609	98.07	366	58.94	**281.72***
	Rental	12	1.93	255	41.06	
Number of living rooms	1Room	286	46.05	147	23.67	**70.68***
	2-4Rooms	325	52.33	467	75.20	
	5Rooms	9	1.45	6	0.97	
Sanitation	Open	46	7.41	0	0.00	**246.01***
	Septic	164	26.41	2	0.32	
	Semi pucca & pucca	411	66.18	619	99.68	
Cooking fuel type	Gas	26	4.19	545	87.76	**877.23***
	Wooden materials	179	28.82	35	5.64	
	Cow dung	9	1.45	0	0.00	
	Others	17	2.74	41	6.60	
Drinking water	Tube well	390	62.80	336	54.11	**228.90***
	Tape	49	7.89	285	45.89	

(%) – Percentage was done of total number of participants (separate area)

Table 7.1.3: Self reported morbidity status

Variables	Categories	Nonindustrial area	(%)	Industrial area	(%)	x^2
Disease	Communicable	535	86.15	537	86.47	
	Non-communicable	86	13.85	84	13.53	**0.03**
Illness	1(within 2 months)	205	33.01	216	34.78	
	2(within 3-5months)	219	35.27	127	20.45	
	3(within 6 months)	197	31.72	278	44.77	**38.56***
Hospitalization	Yes	95	15.30	41	6.60	
	No	526	84.70	580	93.40	**24.08***

(%) – Percentage was done of total number of participants (separate area)