

A study to assess the prevalence of health illness among school going childrens during pandemic at selected community area, puducherry.

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I. INTRODUCTION

We are not living in fear ; We are Living in faith - Caring Bridge

There are more than 2.2 billion children in the world who constitute approximately 28% of the world's population. Those aged between 10 to 19 years make up 16 % of the world's population (UNICEF, 2019). COVID-19 has impacted the lives of people around the world including children and adolescents in an unprecedented manner. Throughout the world, an essential modus of prevention from COVID- 19 infection has been isolation and social distancing strategies to protect from the risk of infection

On these grounds, since January, 2020, various countries started implementing regional and national containment measures or lockdowns. In this backdrop one of the principal measures taken during lockdown has been closure of schools, educational institutes and activity areas. These inexorable circumstances which are beyond normal experience, lead to stress, anxiety and a feeling of helplessness in all. It has been indicated that compared to adults, this pandemic may continue to have increased long term adverse consequences on children and adolescents.

The nature and extent of impact on this age group depend on many vulnerability factors such as the developmental age, current educational status, having special needs, pre-existing mental health condition, being economically under privileged and child/ parent being quarantined due to infection or fear of infection. The following sections discuss about findings of studies on mental-health aspects of children and adolescents impacted by COVID-19 pandemic and lockdowns being implemented at national or regional levels to prevent further spread of infection.

School closures during pandemics raise important concerns for children and adolescents. Our aim is synthesizing available data on the impact of school closure during the corona virus disease 2019 (COVID-19) pandemic on child and adolescent health globally. We conducted a rapid systematic review by searching PubMed, Embase, and Google Scholar for any study published between January and September 2020. We included a total of ten primary studies.

II. REVIEW OF LITERATURE:

Michelle O'Reilly et al.,(2018) was conducted a study based on Review of mental health promotion interventions in schools: Methods: The authors reviewed the current state of knowledge on school mental health promotion interventions globally. Two major databases, SCOPUS and ERIC were utilised to capture the social science, health, arts and humanities, and education literature.Results: Initial searches identified 25 articles reporting on mental health promotion interventions in schools. When mapped against the inclusion and exclusion criteria, 10 studies were included and explored. Three of these were qualitative and seven were quantitative.

STATEMENT OF THE PROBLEM:

A study to assess the prevalence of health illness among school going childrens during pandemic at selected community area, puducherry

OBJECTIVES:

- To assess the health illness among school going children during pandemic at selected community area, Puducherry.
- To associate the prevalence of health illness among school going childrens during pandemic with selected demographic variables

ASSUMPTIONS:

- There is significance and improvement of care of school going children during lockdown period .

- There is significance and association between post intervention test regarding care of school going children during lockdown period with their selected demographic variable.

III. MATERIALS AND METHODS

This chapter deals with methodology adopted to assess the impact of quality of work life towards organizational commitment among staff nurses: research approach, research design, population, and setting sample, sample size, sampling technique, selection and development of tool and data collection techniques and plan for data analysis.

- **SECTION A:** Description of the demographic variables among school going children.
- **SECTION B:** Assessment of the level of prevalence of health illness among school going children during pandemic at selected community area, Puducherry.

RESEARCH APPROACH:

A quantitative research approach was selected for the present study.

RESEARCH DESIGN:

A descriptive research design was adapted for this study.

SETTING OF THE STUDY:

In this study, the sample comprises of all the school going childrens living in kalitheerthalkuppam, Puducherry

SAMPLE:

In this study, the sample comprises of all the school going childrens living in kalitheerthalkuppam, Puducherry

SAMPLING TECHNIQUE:

A convenient sampling technique was adopted for this study.

SAMPLE SIZE:

In this study, the sample size consists of 50 students.

CRITERIA FOR SAMPLE SELECTION:

Inclusion criteria:

- Student both male and female.
- School children who are willing to participate in data collection.
- Student include all of the school age children.
- School children who are available at a time of data collection

Exclusion criteria:

- School going children who are not willing to participate in the study.

IV. RESULTS:

The findings reveals that Out of the 50 school going children who were interviewed, Majority of the school going children 14(28%) of study population were in the age group are 0-5 years. Majority of the school going children were female 28(56%). Majority of the school going children were 1-2 rd standard 16(32%). Majority of the school going children, Father Occupation were Private sector 22(44%). Majority of the school going children, Mother Occupation were Private sector 23(46%). Majority of the school going children, 24(48%) Father income was 15000-20000. Majority of the school going children, 24(48%) Mother incomes were 5000-10000. Majority of the school going children were middle class socioeconomic status 39(78%). Majority of the school going children were Hindu 35(70%). Majority of the school going children, Birth order were 2 nd children 22(44%). Majority of the school going children, Classification were pre schooler 30(60%). Majority of the school going children were small family 30(60%). Majority of the school going children were urban 44(88%).

Frequency and percentage wise distribution of demographic variables among geriatric males residing at kalitheerthalkuppam, Puducherry.

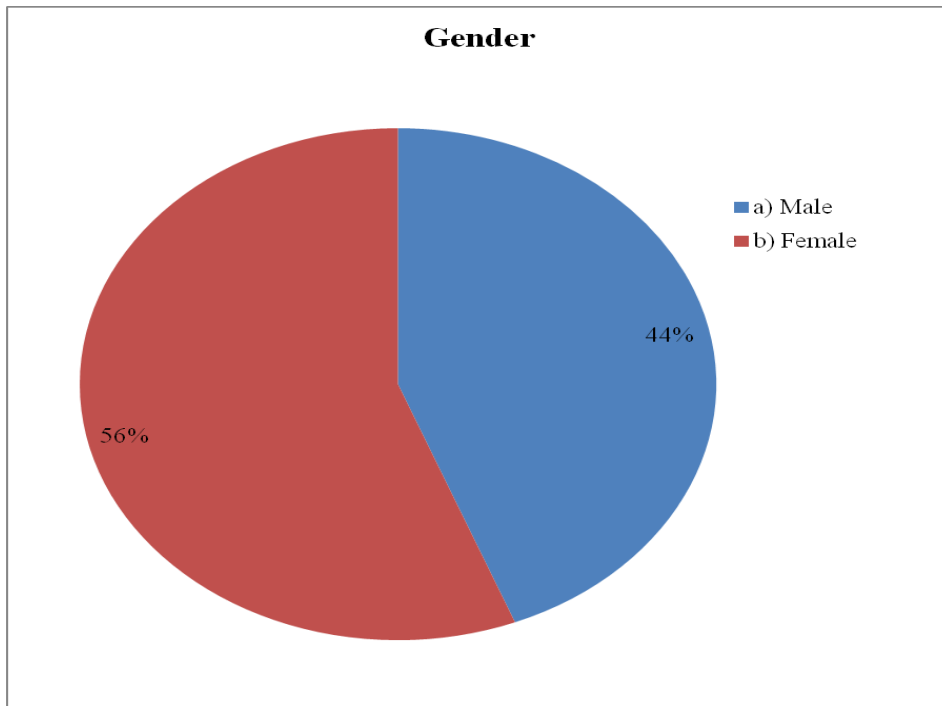
(N=50)

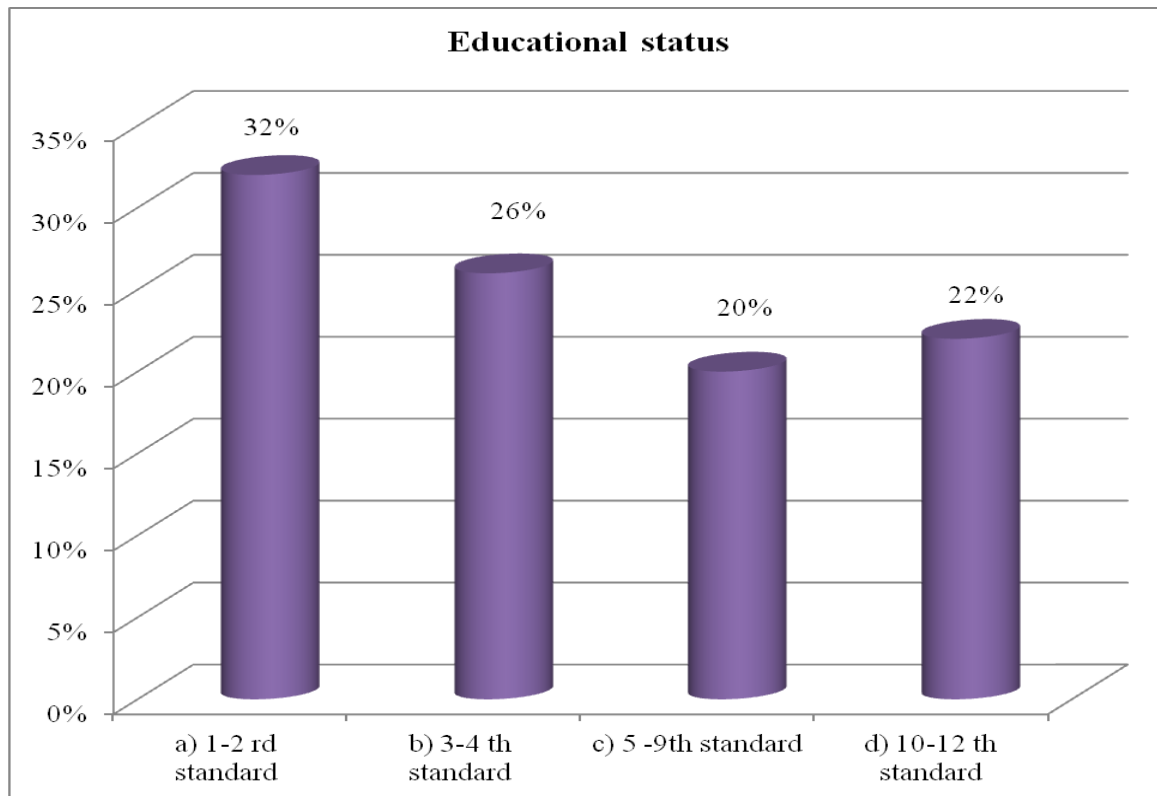
SL. NO	DEMOGRAPHIC VARIABLES	FREQUENCY (N)	PERCENTAGE (%)
1	Age in years		
	a) 0-5 years	14	28
	b) 5-10 years	13	26
	c) 10-15 years	10	20

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	d) above 15 years	13	26
2	Gender		
	a) Male	22	44
	b) Female	28	56
3	Educational status		
	a) 1-2 rd standard	16	32
	b) 3-4 th standard	13	26
	c) 5 -9th standard	10	20
	d) 10-12 th standard	11	22
4	Father occupation		
	a) Private sector	22	44
	b) Government sector	9	18
	c) Business	11	22
	d) Others	8	16
5	Mother occupation		
	a) Private sector	23	46
	b) Government sector	9	18
	c) Business	2	4
	d) Others	16	32
6	Father income		
	a) 5000-10000	11	22
	b) 15000-20000	24	48
	c) 25000-30000	10	20
	d) Above 30000	5	10
7	Mother income		
	a) 5000-10000	24	48
	b) 15000-20000	21	42
	c) 25000-30000	4	8
	d) Above 30000	1	2
8	Socioeconomic status		
	a) Poor socioeconomic status	5	10
	b) Middle class	39	78
	c) Higher class	6	12
9	Religion		
	a) Hindu	35	70
	b) Christian	9	18
	c) Muslim	4	8
	d) Others	2	4
10	Birth order		
	a) 1 st child	20	40
	b) 2 nd child	22	44
	c) Above	8	16
11	Classification		
	a) Infant	2	4
	b) Toddler	6	12
	c) Pre schooler	30	60

	d) Schooler	8	16
	e) Adolescent	4	8
12	Type of family		
	a) Joint family	13	26
	b) Large family	7	14
	c) Small family	30	60
13	Residency		
	a) Urban	44	88
	b) Rural	6	12





Frequency and percentage wise distribution of level of prevalence of health illness among school going children during pandemic at selected community area, Puducherry.

LEVEL OF PREVALENCE OF HEALTH ILLNESS	FREQUENCY (n)	PERCENTAGE (%)
Low	21	42
Mooderate	22	44
High	7	14
Total	50	100
Mean+Standard deviation	9.30+4.604	

TABLE 3: Association between the level of prevalence of health illness among school going childrens during pandemic with their selected demographic variables.

(N=50)

SL. NO	DEMOGRAPHIC VARIABLES	LEVEL OF PREVALENCE OF HEALTH ILLNESS						Chi-square X ² and P-Value
		LOW		MODERATE		HIGH		
		N	%	N	%	N	%	
1	Age in years							X ² =3.26 Df=6 p =0.775 NS
	a) 0-5 years	6	28.6	5	22.7	3	42.9	
	b) 5-10 years	6	28.6	5	22.7	2	28.6	
	c) 10-15 years	5	23.8	5	22.8	0	0	
	d) above 15 years	4	19	7	31.8	2	28.5	
2	Gender							X ² =3.51 Df=2 p =0.173 NS
	a) Male	9	42.9	12	54.5	1	14.3	
	b) Female	12	57.1	10	45.5	6	85.7	
3	Educational status							X ² =5.93 Df=6
	a) 1-2 rd standard	6	28.6	6	27.3	4	57.1	

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	b) 3-4 th standard	7	33.3	4	18.2	2	28.6	p =0.430 NS
	c) 5 -9th standard	5	23.8	5	22.7	0	0	
	d) 10-12 th standard	3	14.3	7	31.8	1	14.3	
4	Father occupation							X ² =1.37 Df=6 p =0.967 NS
	a) Private sector	10	47.6	9	40.9	3	42.9	
	b) Government sector	4	19	4	18.2	1	14.3	
	c) Business	3	14.4	6	27.3	2	28.6	
	d) Others	4	19	3	13.6	1	14.2	
5	Mother occupation							X ² =3.75 Df=6 p =0.709 NS
	a) Private sector	11	52.4	10	45.5	2	28.6	
	b) Government sector	4	19	4	18.2	1	14.3	
	c) Business	0	0	1	4.5	1	14.3	
	d) Others	6	28.6	7	31.8	3	42.8	
6	Father income							X ² =11.14 Df=6 p =0.04 *S
	a) 5000-10000	2	9.5	8	36.4	1	14.3	
	b) 15000-20000	10	47.6	8	36.4	1	14.3	
	c) 25000-30000	5	23.8	5	22.7	0	0	
	d) Above 30000	4	19	1	4.5	0	0	
7	Mother income							X ² =4.92 Df=6 p =0.554 NS
	a) 5000-10000	8	38.1	11	50	5	71.4	
	b) 15000-20000	9	42.9	10	45.5	2	28.6	
	c) 25000-30000	3	14.3	1	4.5	0	0	
	d) Above 30000	1	4.8	0	0	0	0	
8	Socioeconomic status							X ² =5.29 Df=4 p =0.259 NS
	a) Poor socioeconomic status	2	9.5	1	4.5	2	28.6	
	b) Middle class	15	71.4	19	86.4	5	71.4	
	c) Higher class	4	19	2	9.1	0	0	
9	Religion							X ² =6.28 Df=6 p =0.392 NS
	a) Hindu	14	66.7	17	77.3	4	57.1	
	b) Christian	4	19	4	18.2	1	14.3	
	c) Muslim	3	14.3	0	0	1	14.3	
	d) Others	0	0	1	4.5	1	14.3	
10	Birth order							X ² =3.67 Df=6 p =0.720 NS
	a) 1 st child	9	42.9	9	40.9	2	28.6	
	b) 2 nd child	8	38.1	10	45.5	4	57.1	
	c) Above	4	19	3	13.6	1	14.3	
11	Classification							X ² =14.13 Df=2 p =0.005 *S
	a) Infant	1	4.8	1	4.5	0	0	
	b) Toddler	3	14.3	3	13.6	0	0	
	c) Pre schooler	12	57.1	12	54.5	6	85.7	
	d) Schooler	4	19	3	12.8	1	14.3	
	e) Adolescent	1	4.8	3	13.6	0	0	
12	Type of family							X ² =1.602

	a) Joint family	6	28.6	5	22.7	2	28.6	Df=4 p =0.808 NS
	b) Large family	3	14.3	4	18.2	0	0	
	c) Small family	12	57.1	13	59.1	5	71.4	
13	Residency							X ² =5.94 Df=4 p =0.203 NS
	a) Urban	20	95.2	17	77.3	7	100	
	b) Rural	1	4.8	5	22.7	0	0	

The table 3 depicts that the demographic variable, Father income and Classification had shown statistically significant association between the level of prevalence of health illness among school going children's during pandemic with their selected demographic variables. The other demographic variable had not shown statistically significant association between the level of prevalence of health illness among school going children's during pandemic with their selected demographic variables respectively. $p < 0.05$ significant, $*-p < 0.001$ highly significant, NS-Non significant

V. CONCLUSION AND RECOMMENDATIONS:

A study to assess the prevalence of health illness among school going children's during pandemic period at selected community area, puducherry. The findings of the study revealed that out of 50 samples. Majority of the school going children 22(44%) had moderate level of prevalence of health illness, 21(42%) had low level of prevalence of health illness and 7(14%) had high level of prevalence of health illness.

NURSING IMPLICATIONS:

The study had implications for nursing practice, nursing education, nursing administration and nursing research.

NURSING SERVICES:

The parents must have adequate knowledge about health illness of school children and take care of them.

NURSING EDUCATION:

The nurse educated the parents about the health illness of children during Lockdown period. Provide a necessary health education, provide a activity therapy or routine works etc.,

NURSING ADMINISTRATION:

Nurse's administrators can make necessary steps to spread awareness about the health illness of care of children during lockdown period. Nurse's administration can organize awareness program or some participation events about health illness of children during lockdown period.

NURSING RESEARCH:

Numbers of studies are being conducted to a study to assess the prevalence of health illness among school going children's during pandemic period at selected community area, puducherry .Parents are mostly inadequate in knowledge .Different studies have to be conducted to evaluate the knowledge of parents.

RECOMMENDATIONS FOR THE STUDY:

Based on the findings of the study, following recommendation have been made for future study.

- A similar study can be conducted by large number of sample in future.
- The study was conducted to particular group of people at particular age.
- A prospective study can also be conducted
- Study based on daily life of clients to do their daily task.

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