# **Social Connectedness and Health Issues**

Sudipta Karmakar <sup>1</sup>, Dr. Deb Prasad Sikdar <sup>2\*</sup>

<sup>1</sup> M. Phil Research Scholar, Department of Education, University of Kalyani, Pin- 741235, India <sup>2</sup> Professor, Department of Education, University of Kalyani, Pin- 741235, India

\*Corresponding Author:

Dr. Deb Prasad Sikdar

Professor
Department of Education
University of Kalyani
Pin: 741235
West Bengal, India

### **Abstract**

The feeling of being a part of a family or community is social connectedness. Social connection is a crucial element of health and wellness, therefore it's all about the interactions that individuals have with one another. Social connectedness is one of the fundamental needs of individuals and is essential for a person's health and well-being. The goal of this narrative literature review is to examine numerous published works in order to determine the connection between social connectedness and health. The majority of the investigations in this case were conducted on adults (11–21 years old) and older adults (22–60 years old). Researchers studied several published research articles from 2007–2022 and discussed about their methodologies and findings. Most studies have revealed that socially connected people are generally have good physical and mental health. Lack of social connectedness causes negatively impact on young people's physical health by increasing their risk of inflammation, hypertension and obesity. Studies on mental health and social connectivity have shown that people who are socially connected have less stress, depression, suicidal thoughts, emotional discomfort, and anxiety than those who are not. After studying and critically analyzing various research articles the researchers found that social connection was linked to both physical and mental health. So all people need to be socially connected with others in order to maintain their health and quality of life.

Index Terms: Social connectedness, Health Issues, Review study

### I. INTRODUCTION:

Humans are social creatures, no individual can develop fully without society. Human personality develops fully by living in society. We are born into a family and from there our social consciousness begins and gradually it is prolonged. According to WHO [1] "Health is a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity." In order to be healthy and happy, one needs to interact with others. A sense of social connectedness is a sense of community, family, or group membership. It concerns people's interactions with one another and their participation in the larger community. The concept of connectedness has been developed originally in a psychological context and refers to an individual's relationship to society [2]. For a person to be physically and psychologically healthy, they need to engage with others. A successful life is typically regarded as a predictor of social connectivity, which has been linked to numerous positive social and health outcomes. Social connectedness has been described as one of the key motivational reasons underpinning social behavior [3]. Relationships with family members, friends, classmates, acquaintances, communities and society, all contribute to one's social connectivity [4]. Social connectedness is defined as the quality of a person's ties with others and how those relationships affect, how they interact with other people [5]. In terms of general health and well-being, social connectivity is crucial. The context and complexity of an individual's identity include their physical, psychological, and social characteristics [6]. Every human need to balance their personal and social life, and for this reason, humans need to know about their social norms to survive. The importance of social relationships in the treatment of disease and the maintenance of health and well-being has drawn the attention of scientists and practitioners across a large number of behavioral science and medical disciplines [7]. In this regard health is a most important factor or resource for well-being as well as society. A lack of social connections can increase levels of stress by engaging in behaviors that increase health risk factors such as increasing tobacco and alcohol use or decreasing healthy behaviors such as exercising well and eating enough. Socially isolated individuals face elevated rates of illness and death [8]. The physical and mental health of a person as well as the health of a society is greatly influenced by social connectivity which is significant predictor of health outcomes [9].

### (1) Concept of social connectedness:

The feeling of being a part of a community family or group is known as social connection. It focuses on how people interact with one another and how they engage with the community at large. An essential part of health and well-being is social connection. Everybody feels like they belong in a community that has strong social ties. It is a place where everyone has access to the resources they need to participate in interpersonal interactions, forge connections, and strengthen existing social networks. In society, people have a location to congregate with their friends and neighbors. It is an environment where social linkages are considered in all planning and strategic actions. Experience of belongingness and relatedness i.e., social connectedness between people is a pivotal idea for understanding the communication systems in that particular awareness systems [10]. Therefore, having a sense of community and connectivity is crucial.

### (2) Concept of Health:

Modern definitions of health acknowledge that it implies a person's full potential for self-realization and self-fulfillment and goes beyond simply being free from disease [11]. Perry and Jessor mentioned health have four concepts, that is physical health, psychological health, social health and personal health, where physical health refers to processes of physical and physiological functioning and their adequacy and efficiency of this domain would be the proper operation of the main bodily systems with measurable signs like blood pressure, cholesterol levels, resting heart rate, carbon monoxide levels, etc. The term psychological health primarily refers to a subjective area or a person's sense of general well-being and self-appraisal. Person's psychological health also includes aspects like their sense of physical fitness and vitality, their sentiments of wellbeing, their perception of their own competence, and their sense of internal locus of control. The third area of social health, is concerned with how well someone interacts with others, how well they carry out their social roles and how well they develop the skills needed for adaptive functioning in social contexts and the fourth concept of personal health concern for one's own health suggests that there is untapped potential for fulfillment within a person, including aspects that are not always instrumental and that their stimulation and actualization would allow them to fully develop into who they can be. Personal health can be defined as an ongoing interest in pursuits that help a person transcend preoccupation with the responsibilities and tasks of daily living [12].

Several studies have shown that there is a connection of social connectedness and health. This study consists of two parts viz., social connectedness and health. The social connectedness part consisting of various part like family connectedness, community connectedness, peer connectedness, online connectedness etc. and health also consists two parts viz., mental health and physical health. In this regard, this study will review various related articles regarding social connectedness and health to explore the relation.

### II. OBJECTIVES OF THE STUDY:

- i) To understand the relationship of social connectedness with health issues.
- ii) To understand how social connectedness promote better health.
- iii) To find out the contribution of social connectedness and different health issues on quality of life.

#### III. METHOD OF THE STUDY:

This study is basically a narrative literature review. A narrative review is an identification of a few studies that describe a problem of interest it has no predetermined research question or specified search strategy, they are not systematic, and follow no specified protocol [13]. The phrases "health" and "social connectivity" were used in searches on Research Gate and Google Scholar to find references for this review. For the review, only records written in English were taken into consideration.

### IV. REVIEW OF RELATED LITERATURE:

Sl. No.	References	Study Design	Age Group	Findings
1.	Brooks, et. al., 2022 [14]	The 1072 women who completed all questions thoroughly were the focus of the study. Data were acquired through a cross-sectional study that was undertaken by a significant institution in the north-eastern United States. The Global Physical Activity Questionnaire was used to assess physical activity, the Centre for Epidemiology Studies-Depression Scale 7 was used to assess depression, and the Perceived Stress Scale 4 was used to assess stress. To describe the sample, descriptive statistics were calculated. The variations in physical activity, subjective stress, and depressive symptoms based on sexual orientation	19 years to 25 years aged women	For heterosexual and non- heterosexual women there were substantial differences in perceived stress and depressive symptoms but not in physical activity. When controlling for sexual orientation, higher levels of strength training and strenuous exercise were associated with decreased depressive symptoms and lower perceived stress. Depressive symptoms revealed a positive connection with perceived stress and a negative link with strength training for both heterosexual and non-heterosexual sexual women. In heterosexual women, depressive symptoms also

			ı	T
1		were investigated using independent		demonstrated a negative relationship
		samples t-tests. The association		with vigorous exercise. Results show
		between perceived stress, depressive		that non-heterosexual women
		symptoms, moderate physical activity,		perceive stress and depression
		strong physical activity, and strength		symptoms more intensely and that
		training, segregated by sexual		these mental health problems can
		orientation, was investigated using		affect people on many different
		Pearson's correlations. While		levels. Regardless of sexual
		controlling for sexual orientation,		orientation, more intense physical
		multiple regression models were		exercise and strength training were
		utilized to investigate the relationships		linked to reduced perceived stress
		between various forms of physical		and despair levels [14].
		activity and reported stress and		1
		depressive symptoms [14].	<u></u>	
2.	Sun, et. al.,	The study followed 210 Chinese	17 years to	The study sought to examine the
4.				
	2021 [15]	international students studying in the	29 years	simultaneous and long-term impacts
		United States throughout time to	aged	of perceived racial and linguistic
		examine how racial and linguistic	university	discrimination on Chinese
		discrimination affected their levels of	students	international students' mental health
1	10	anxiety and depression. Participants		as well as the potential moderating
	SL	were assessed twice - once during their		effects of social connectedness to the
	d Standa	first academic term and once more		host and ethnic communities. They
		three months later during their second		also looked at how social
	A TOP A	term at a U.S institution. Five scales		connectivity affected the relationship
	1.0			
1		were used in this study : i) the Beck		between mental health and perceived
	ALC: Y	Anxiety Inventory, ii) the Beck		discrimination. Overall, social
	2 100	Depression Inventory-II, iii) Brief		connectedness and mental health are
	200	Perceived Discrimination Scale iv) the		significantly correlated with Chinese
1 1		Perceived Language Discrimination		International students who reported
		Scale and v) the Social Connectedness		higher degrees of social
- 89	Day .	Scale[15].		connectedness with either Chinese or
.006	Loop -	Searc[10].		American students [15].
3.	Paiva, et. al.,	The Survey of Health, Ageing, and	50+ aged	This study focuses on connection
3.			_	
2000	2021 [16]	Retirement in Europe (SHARE), a	people	and social engagement as two
. 2		multidisciplinary and transnational	A P / P	psychosocial components of social
200	Mr.	biennial panel survey that collects		life in order to evaluate both their
10000	30	information on health, socioeconomic	2-300	individual contributions to the
1960		status, and social and family networks		understanding of cognition as well as
MARCH!	E	across 27 European nations as well as		the effects of their interactions on
1000	10.	Israel, is the source of the data used in		cognition. The findings
	tão:	the current study. Multilevel linear		
	A			demonstrated a correlation between
THE REAL PROPERTY.			974	29-5
		regression analyses were performed to		enhanced cognition and higher levels
				enhanced cognition and higher levels of social engagement and social
7	AL.	regression analyses were performed to		enhanced cognition and higher levels of social engagement and social connectivity. According to the
1		regression analyses were performed to		enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of
*		regression analyses were performed to		enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social
		regression analyses were performed to analyse the data [16].		enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better
		regression analyses were performed to	OURNAL	enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when
		regression analyses were performed to analyse the data [16].	OURNAL	enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when one of these components is absent,
*		regression analyses were performed to analyse the data [16].	OURNAL	enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when
		regression analyses were performed to analyse the data [16].	OURNAL	enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when one of these components is absent,
		regression analyses were performed to analyse the data [16].	OURNAL	enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when one of these components is absent, the other contributes to cognition protection. This study highlights the
4		regression analyses were performed to analyse the data [16].	OURNAL	enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when one of these components is absent, the other contributes to cognition protection. This study highlights the value of social engagement and
1		regression analyses were performed to analyse the data [16].	OURNAL	enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when one of these components is absent, the other contributes to cognition protection. This study highlights the value of social engagement and social connectivity for maintaining
		regression analyses were performed to analyse the data [16].	OURNAL	enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when one of these components is absent, the other contributes to cognition protection. This study highlights the value of social engagement and social connectivity for maintaining and improving cognition, which
		regression analyses were performed to analyse the data [16].	OURNAL	enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when one of these components is absent, the other contributes to cognition protection. This study highlights the value of social engagement and social connectivity for maintaining and improving cognition, which significantly improves the quality of
		regression analyses were performed to analyse the data [16].	OURNAL	enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when one of these components is absent, the other contributes to cognition protection. This study highlights the value of social engagement and social connectivity for maintaining and improving cognition, which significantly improves the quality of life for middle-aged and older
		regression analyses were performed to analyse the data [16].	OURNAL	enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when one of these components is absent, the other contributes to cognition protection. This study highlights the value of social engagement and social connectivity for maintaining and improving cognition, which significantly improves the quality of life for middle-aged and older persons [16].
4.	Steiner, et. al.,	regression analyses were performed to analyse the data [16].  The National Longitudinal Study of	Adolescent	enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when one of these components is absent, the other contributes to cognition protection. This study highlights the value of social engagement and social connectivity for maintaining and improving cognition, which significantly improves the quality of life for middle-aged and older persons [16].  Adolescent school connectivity may
4.	Steiner, et. al., 2019 [17]	regression analyses were performed to analyse the data [16].  The National Longitudinal Study of Adolescent to Adult Health's Waves I	students (7-	enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when one of these components is absent, the other contributes to cognition protection. This study highlights the value of social engagement and social connectivity for maintaining and improving cognition, which significantly improves the quality of life for middle-aged and older persons [16].  Adolescent school connectivity may have long-lasting protective impacts
4.		regression analyses were performed to analyse the data [16].  The National Longitudinal Study of		enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when one of these components is absent, the other contributes to cognition protection. This study highlights the value of social engagement and social connectivity for maintaining and improving cognition, which significantly improves the quality of life for middle-aged and older persons [16].  Adolescent school connectivity may
4.		regression analyses were performed to analyse the data [16].  The National Longitudinal Study of Adolescent to Adult Health's Waves I	students (7-	enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when one of these components is absent, the other contributes to cognition protection. This study highlights the value of social engagement and social connectivity for maintaining and improving cognition, which significantly improves the quality of life for middle-aged and older persons [16].  Adolescent school connectivity may have long-lasting protective impacts
4.		The National Longitudinal Study of Adolescent to Adult Health's Waves I and IV, which included weighted data (n = 14 800), were used. The	students (7- 12 -years)	enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when one of these components is absent, the other contributes to cognition protection. This study highlights the value of social engagement and social connectivity for maintaining and improving cognition, which significantly improves the quality of life for middle-aged and older persons [16].  Adolescent school connectivity may have long-lasting protective impacts on a variety of adult health outcomes relating to mental health, violence,
4.		The National Longitudinal Study of Adolescent to Adult Health's Waves I and IV, which included weighted data (n = 14 800), were used. The relationships between family and	students (7- 12 -years) and adults (24-32	enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when one of these components is absent, the other contributes to cognition protection. This study highlights the value of social engagement and social connectivity for maintaining and improving cognition, which significantly improves the quality of life for middle-aged and older persons [16].  Adolescent school connectivity may have long-lasting protective impacts on a variety of adult health outcomes relating to mental health, violence, sexual behaviour, and drug use.
4.		The National Longitudinal Study of Adolescent to Adult Health's Waves I and IV, which included weighted data (n = 14 800), were used. The	students (7- 12 -years) and adults	enhanced cognition and higher levels of social engagement and social connectivity. According to the analysis, people with high degrees of social engagement and social connectedness also had better cognitive scores. Moreover, when one of these components is absent, the other contributes to cognition protection. This study highlights the value of social engagement and social connectivity for maintaining and improving cognition, which significantly improves the quality of life for middle-aged and older persons [16].  Adolescent school connectivity may have long-lasting protective impacts on a variety of adult health outcomes relating to mental health, violence,

		behaviours and experiences of		protective effects against emotional
		adulthood such as emotional distress, suicidal thoughts and attempts, physical violence victimisation and perpetration, intimate partner physical and sexual violence victimisation, multiple sex partners, condom use, sexually transmitted infection diagnosis, prescription drug misuse, and other risk behaviours, were examined using linear and logistic models [17].		distress, suicidal ideation, physical violence victimization and perpetration, numerous sex partners, prescription drug abuse, and other illegal drug usages. The same was true for familial closeness, which showed independent protective links for emotional distress [17].
5.	Gunn, et. al., 2018 [18]	This study makes use of The National Longitudinal Study of Adolescent to Adult Health dataset. This study was investigate three domains of social connection: i) parental connection, ii) school connection and iii) social integration. The connectivity changes and suicidal thoughts and ideas was tested by Logistic Regression Test [18].	12-21 years adolescents' students	The purpose of this study was to investigate the long-term relationships between changes in social connection and suicidal behaviour of adolescence. The result showed that social integration and changes in parental connectivity were both discovered to be protective variables against the reporting of suicidal ideation. Adolescents who reported higher degrees of parental attachment reported fewer suicidal thoughts, while those who indicated higher levels of social integration were less likely to express suicidal ideation [18].
6.	Saeri, et. al., 2018 [19]	In order to evaluate the bidirectional longitudinal association between social connectedness and mental health a cross-lagged panel analysis of a large longitudinal national probability sample was used by investigators about Attitudes and Values Survey using data from four successive waves of the New Zealand [19].	New Zealand's adult residents	According to the New Zealand Attitude and Value Survey, social connectivity and mental health have a positive and reciprocal relationship throughout time, with social connectedness having a stronger predictive power than mental health in terms of future social connectedness [19].
7.	McLoughlin, et. al.,2018 [20]	The current study used a two-stage sequential process to look at the connections between cyberbullying, help-seeking intentions, and coping mechanisms among South Australian high school students. Only the quantitative findings will be covered in this study [20].	12-17 years students	The significance of social connectedness and how technology can help young people foster it are both covered in this study. The study's main finding was that young people who were more socially connected were more likely to respond to frequent cyber victimisation by taking proactive measures to cope. They had a higher propensity to seek assistance and experience better mental health as a result [20].
8.	Wu et. al., 2016 [21]	A Systematic Literature Review [21].	-	This paper presents the results of a systematic evaluation of recent studies that examined the relationships between adolescents' usage of Internet technology and their sense of social connectedness. Teenagers are growing acclimated to technology and sticking around the virtual playground in part because it helps them strengthen their social bonds. This study demonstrates that real-life social skills are prerequisite

			T	
9.	Grieve, et. al., 2013 [22]	In this study the cross-sectional design included subjective well-being,	1-st group mean age	for adolescents to use technology in a constructive way, even though Internet technology may give them more options to seek emotional connection with peers and school [21].  According to the findings, face book use may present a chance to establish
		anxiety, depression, and social connectivity on face book. This study initially looked into the distinction between face book and offline social connectivity as separate variables. Face book users participants were answered questions on their online and offline social connections. Face book connectivity was found through factor analysis [22].	was 28.12 years and SD=10.99 and 2-nd group mean age 25.87 years SD=9.90.	and sustain social connections in an online setting, and face book connections are linked to less cases of depression and anxiety as well as higher levels of happiness. Facebook may function as a distinct social medium where relationships can be formed and maintained which offering a different social outlet that linked to variety of psychological benefits [22].
10.	Dinnie, et. al., 2013 [23]	Finlathen and Baxter Park are the subjects of the case study on Dundee, United Kingdom.  Ten individuals participated in fourpart in-depth ethnographies that included semi-structured face-to-face interviews, walking interviews in parks and other green spaces, video recordings of the green space by participants and researchers, and video reviews with participants [23].	19 to 65 years aged people	This article examines how common interactions with urban green space are mediated by social and institutional practices and how such practices are related to emotions and well-being. The study discovered that people's interactions with green spaces and thus any health advantages brought about by engagement are inextricably social in nature and are controlled by their social group memberships. Furthermore, there are multiple social contexts and social orders [23].
11.	Yang, et. al., 2013 [24]	Latent growth curve models and longitudinal data from 4,323 persons in the Health and Retirement Study were used to assess the trajectories of social integration over five waves, 1998-2006, in relation to energy metabolism biomarkers in 2006. Using a summary measure of the quantity of social links across five areas, they evaluated social integration [24].	50+ years older adults	High social integration was associated with significantly decreased chances of metabolic dysregulation on an individual and a systemic level. High levels of social integration had longer-lasting effects on metabolism than variations in those levels. These effects were widespread among subpopulations and more pronounced in younger old males, white people, and low-income individuals [24].
12.	Kaczynski and Glover 2012 [25]	Adults in Canada's Waterloo, Ontario are the source of the data collection. A survey method was used to examine people's perceptions of the walk ability and social connectedness of their neighborhood. A thorough 7-day logbook was used to record each minute of neighborhood physical activity for transit and entertainment [25].	Adult people	In this study participants reported feeling both socially connected and having a high perception of walk ability engaged in the most physical activity for both leisure and transportation. While the high social connectivity or low walk ability group engaged in more recreational physical activity than the low walk ability groups, the high walk ability or low social connectedness group engaged in more transport-related physical activity [25].
13.	Mitchinson, et. al., 2008 [26]	The participants in this study were 655 patients from two Veterans Affairs medical centers who took part in a randomized controlled trial of massage	The mean age was 63.8 years	This study shows how the presence or absence of social contacts can significantly affect and how patients feel during their postoperative

			1	
		as an adjunct therapy for postoperative		recovery following major operations.
		pain.		In this study, patients with more
		Participants' social networks were		extensive social networks fared
		measured by the numbers of friends or		better than those with more limited
		relatives that individual had and how		or non-existent networks. Once pre-
		frequently contact was done among		operative pain and anxiety levels
		members of their social network.		were taken into account, the impact
		Five postoperative days were used to		of social network size on post-
		score subjective results using visual		operative levels of anxiety, despair,
		analogue scales. There were also		inner peace, relaxation, and pain was
		records on surgical complications,		not noticeable. This shows that
		length of stay, and daily opiate use		preoperative anxiety and pain levels
		[26].		are strongly correlated with the size
			ű ű.	of social networks [26].
14.	Vumi Vuoromo	Focus groups in donth intervious and	12 to 19	This study explores the relationships,
14.	Kumi-Kyereme,	Focus groups, in-depth interviews and		
	et. al. 2007 [27]	a nationally representative survey were	years aged	interactions and supervision of
		the three sources of data used in this	male and	unmarried teenagers in Ghana by
		study. 16 focus groups with in-school	female	their parents, other adults, friends
	-	and out-of-school participants were	adolescents'	and significant social institutions.
	4	held as part of this study.	group	The result shows adolescents have
	St. 1	Each focus group discussion featured		strong attachments to their families,
	dealer .	between 8 and 12 members, and		adults, friends, school, and religious
		discussions with homogeneous groups		
	Market 8	of adolescents who lived in either		groups. Adult monitoring is also high but family contact about sex
	1.0			
		urban or rural areas were done. The		related matters is less frequent than
	AL. Y	meetings were recorded on tape also		non-family members. Negative link
	6 460	102 in-depth interviews with both		between parental supervision and
	200	males and females between the ages of		sexual behaviour in both males and
		12 and 19 were done. To investigate		females was established by
1 1		the reasons why some young people		multivariate study of survey [27].
80	District 1	may be at risk for HIV and unintended		, , ,
300	Cooper -	pregnancy, an in-depth interview style		857
En.	Co. A	was adopted. The Third source of data		10°
4.4	7			
Section	.2	was household survey.	Company of the Compan	100
		Measures of adolescent's connectivity	A TO / THE P	
200	ref.	include living with parents or other		
- Marie Co	36.	parental figures the number of close		# E
-	9	friends, school attendance, frequency	100	79
Links	<u>er</u>	of religious attendance and		50 A
3000	(iii)	involvement in any clubs or social		200
	SA:	groups. Adolescent's communication		
	4.5	were measures through open ended		38
5000				199
4 = 1	X/ 1	questionnaire [27].	10.15	A
15.	Yugo and	Using cross-sectional weights from	12-15 years	A number of self-reported
	Davidson 2007	NLSCY Cycle 4, all analyses were	aged groups	favourable health outcomes and
	[28]	carried out through the Statistics		behaviours, such as excellent or very
	P	Canada Remote Data Access		good health, high self-worth, and
	1 6 No. of 1	programme. Parental nurturing,	CHIRMAL	decreased alcohol, cigarette, and
	APR 16. 7	parental monitoring, school		marijuana usage were linked to
	0	involvement, peer connectivity, and		connectedness within social
	1757 (172	community engagement were the five		contexts, particularly to family and
	10 A			school. Peer connection was linked
	- Tal. 188	assets represented by the NLSCY		Management of the control of the con
	175	variables that were originally		to increased alcohol, cigarette, and
		dichotomized into high and medium to		marijuana usage as well as higher
		low levels. The SAS Bootvar 3.0		self-worth and improved self-
		programme, logistic regression models,		assessed health. The transition of
		and the bootstrap method for variance		Canadian adolescents into healthy
		estimation were used to calculate five		adulthood could be facilitated by a
		self-reported health outcomes and		comprehensive strategy for healthy
		behaviours, including excellent or very		youth development that highlights
				and boosts strong interactions in
		good health, high self-worth, alcohol,		
	<u> </u>	cigarette, and marijuana usage [28].		these situations [28].
16.	Carter, et.	A web-based survey was created and	11 years to	This study highlights the value of
1	al.,2007 [29]	given to 652 students chosen randomly	16 years	families and schools as young

among the secondary schools in	adolescents	people's support systems. High
Dunedin, New Zealand. The	student	levels of health-promoting
relationship between family, friends,		behaviours and low levels of health-
and school characteristics and health-		compromising behaviours were both
promoting and health-compromising		significantly correlated with school
behaviours was discovered using		involvement. Connectedness to
logistic regression [29].		family was mainly linked to a
		decrease in suicidal ideation reports
		and an increase in physical activity
		reports. Connectivity to friends was
		mostly linked to a rise in reports of
		behaviours that compromise one's
		health [29].

### V. FINDINGS OF THE STUDY:

From various research journal it was evident that most of the study about social connectedness and health issues was done on adult student (11-21-years) and older adult people (22-60+ -years). From this study researchers opined that most of the study designs are mainly cross-sectional and longitudinal. Focus group discussion and in-depth interviews was also done. From the various study, it was established that social connectivity was associated with mental and physical wellbeing. It is evident from the different studies on mental health and social connectedness that those who are socially linked have less stress, sadness, suicidal thoughts, emotional pain, and anxiety than those who are not.

### VI. DISCUSSION:

Human are social being, human-to-human relationships are essential for the society or vital for the development of an individual's life. Without society the individual can never sustain himself. Only with the support of the society individual can be able to show his performance or innovativeness. The main focus of these study is to examine the relationship between social connectedness and health issues by reviewing various published articles. Strong social connectedness has a positive impact on physical and mental health. It has been demonstrated in numerous studies that having better social connections improves one's health and well-being and which is beneficial for one's daily life. Hence social connectedness and mental health are significantly correlated [15]. Adolescents who are connected or associated with their schools have lower psychological distress, suicidal ideation, physical violence victimization, sex partners, prescription medication dependency and illegal drug use [17]. Social interaction and connectedness helps among middle-aged and older people in retention and increasing their cognitive function which greatly improves their quality of life [16]. The reporting of suicidal ideation was found to be protected by both changes in parental closeness and social integration [18]. According to Mitchinson, et. al., (2008) social connectivity is significantly co related for patient's recovery, preoperative anxiety and pain levels are strongly correlated with the size of social networks. Patients with larger social networks showed better than those with smaller or non-existent networks [26]. Being socially connected was prospectively linked to lower chances of anxiety and depression with a clinical diagnosis [30]. Use of technology in a constructive way, adolescents can be able to seek emotional connection with peers and school [21]. Social connectedness also impacts on people's metabolic system. Yang, et. al., 2013 proves that high degrees of social integration exhibited long-lasting impacts on metabolism than changes in those levels and they were linked with noticeably lower odds of metabolic dysregulation both on an individual and a systemic basis [24]. Numerous studies have shown that a young person's physical and mental health both can suffer from lack of social contacts. Having friends and other social contacts is good for our health and happiness. People's quality of life may be improved by solid relationships and ongoing social contact. At the core of all of our desires is the yearning to be accepted and to feel like we belong. A sense of social connection is one of our most fundamental human needs and it has an impact on our longevity, mental health, and physical health.

### VII. CONCLUSION:

After studying the various journals, articles researchers has been found out that people with less social connection faces various physical and mental health issues like loneliness, depression, anxiety, metabolic dysregulation, obesity, sleep disturbance etc. whereas people attached with society exhibited lower psychological distress, higher self-esteem, cooperation, empathic towards others and more trustworthiness. Social connectivity fosters a beneficial relationship between social, emotional and physical wellbeing. At last researchers concluded that a lack of social connections has been linked to deteriorating physical and mental health as well as a higher predisposition for antisocial behaviour. In order to improve health and maintain a high standard of living, all humans must maintain social connections with other peoples.

#### **VIII. REFERENCES:**

- [1] W.H.O., 2023, Mental Health, Pan American Health Organization, <a href="https://www.paho.org/en/topics/mental-health#:~:text">https://www.paho.org/en/topics/mental-health#:~:text</a> The World Health Organization
- [2] Moebs, S., McManis, J., (2008). Adaptive Social Connectedness in a Multimedia e-learning Environment.

- [3] Gogu, C. V., Kumar, J., (2021). Social Connectedness and Online Design Learning Experience in the Indian Context. *Design and Technology Education*. 26 (3): 325-340.
- [4] Costen, W. M., Waller, S. N., Wozencroft, A. J., (2013). Mitigating race: Understanding the role of social connectedness and sense of belonging in African-American student retention in hospitality programs. *Journal of Hospitality, Leisure, Sport & Tourism Education*. 12 (1): 15-24.
- [5] Banks-Weston, G. (2020). "Virtually a sisterhood" Virtual collaboration and its impact on social connectedness among a group of culturally diverse women. *Doctoral dissertation*, University of South Carolina.
- [6] Simonovska, M., Zivanovic, R., Stoimenova-Cenevska, E., (2015). Virtual And Social Identity: Connectedness, Conditionality and Difference. *Annual of the Institute for Sociological, Political and Juridical Research.* 3:25-36.
- [7] Cohen, S., Gottlieb, B. H., Underwood, L. G., (2004). Social Relationships and Health. American psychologist. 59 (8): 676.
- [8] Kim, D.A., Benjamin, E. J., Fowler, J. H., Christakis, N. A., (2016). Social connectedness is associated with fibrinogen level in a human social network. *Proceedings of the Royal Society B: Biological Sciences*. 283 (1837): 20160958.
- [9] Deitz, R. L., Hellerstein, L. H., St. George, S. M., Palazuelos, D., Schimek, T. E., (2020). A qualitative study of social connectedness and its relationship to community health programs in rural Chiapas, Mexico. *BMC Public Health*. 20, 1-10.
- [10] Van Bel, D. T., Smolders, K. C. H. J., Ijsselsteijn, W. A., De Kort, Y., (2009). Social connectedness: Concept and measurement. Conference: Intelligent Environments 2009 - Proceedings of the 5th International Conference on Intelligent Environments - Barcelona, Spain 2009.
- [11] Svalastog, A. L., Donev, D., Kristoffersen, N. J., Gajovic, S., (2017). Concepts and definitions of health and health-related values in the knowledge landscapes of the digital society. *Croatian Medical Journal*. 58 (6): 431.
- [12] Perry, C. L., Jessor, R., (1985). The Concept of Health Promotion and the Prevention of Adolescent Drug Abuse. *Health education quarterly*. 12 (2): 169-184.
- [13] Demiris, G., Oliver, D. P., Washington, K. T., (2019). Defining and analyzing the problem. *Behavioral intervention research in hospice and palliative care: Building an evidence base.* 27-39.
- [14] Brooks, M. E., Wilson, O., Elliott, L. D., Duffey, M., Bopp, M., (2022). Physical activity is related to mental health and sexual orientation among women in college. *International Journal of Exercise Science*. (15) 5: 1347-1356.
- [15] Sun, X., Hall, G. C. N., DeGarmo, D. S., Chain, J., Fong, M. C., (2021). A Longitudinal Investigation of Discrimination and Mental Health in Chinese International Students: The Role of Social Connectedness. *Journal of Cross-Cultural Psychology*. 52 (1): 61-77.
- [16] Paiva, A. F., Cunha, C., Voss, G., Matos, A. D., (2021). The interrelationship between social connectedness and social engagement and its relation with cognition: A study using SHARE data. *Ageing & Society*. 1-19.
- [17] Steiner, R. J., Sheremenko, G., Lesesne, C., Dittus, P. J., Sieving, R.E., Ethier, K. A., (2019). Adolescent Connectedness and Adult Health Outcomes. *Pediatrics*. 144 (1).
- [18] Gunn III, J. F., Goldstein, S. E., Gager, C. T., (2018). A longitudinal examination of social connectedness and suicidal thoughts and behaviors among adolescents. *Child and Adolescent Mental Health*. 23 (4): 341-350.
- [19] Saeri, A. K., Cruwys, T., Barlow, F. K., Stronge, S., Sibley, C. G., (2018). Social connectedness improves public mental health: Investigating bidirectional relationships in the New Zealand attitudes and values survey. *Australian & New Zealand Journal of Psychiatry*. 52 (4): 365-374.
- [20] McLoughlin, L., Spears, B., Taddeo, C., (2018). The Importance of Social Connection for Cyber victims: How Connectedness and Technology Could Promote Mental Health and Wellbeing in Young People. *International Journal of Emotional Education*. 10 (1):5-24.
- [21] Wu, Y. J., Outley, C., Matarrita-Cascante, D., Murphrey, T. P., (2016). A Systematic Review of Recent Research on Adolescent Social Connectedness and Mental Health with Internet Technology Use. *Adolescent Research Review*. 1: 153-162.
- [22] Grieve, R., Indian, M., Witteveen, K., Tolan, G. A., Marrington, J., (2013). Face-to face or Facebook: Can social connectedness be derived online? *Computers in Human Behavior*. 29 (3): 604-609.
- [23] Dinnie, E., Brown, K. M., Morris, S., (2013). Community, cooperation and conflict: Negotiating the social well-being benefits of urban greenspace experiences. *Landscape and Urban Planning*. 118, 103-111.
- [24] Yang, Y. C., Li, T., and Ji, Y. (2013). Impact of social integration on metabolic functions: evidence from a nationally representative longitudinal study of US older adults. BMC public health, 13(1), 1-11.
- [25] Kaczynski, A. T., and Glover T. D. (2012) Talking the talk, walking the walk: examining the effect of neibourhood walkability and social connectedness on physical activity. *Journal of Public Health*, 34(3), 382-389.
- [26] Mitchinson, A. R., Kim, H. M., Geisser, M., Rosenberg, J. M., Hinshaw, D. B., (2008). Social Connectedness and Patient Recovery after Major Operations. *Journal of the American College of Surgeons*. 206 (2): 292-300.
- [27] Kumi-Kyereme, A., Awusabo-Asare, K., Biddlecom, A., Tanle, A., (2007). Influence of social connectedness, communication and monitoring on adolescent sexual activity in Ghana. *Afr J Reprod Health*. 11 (1): 133-136.
- [28] Yugo, M., Davidson, M. J., (2007). Connectedness within Social Contexts: The Relation to *Adolescent Health. Healthcare Policy*. 2 (3): 47.
- [29] Carter, M., McGee, R., Taylor, B., Williams, S., (2007). Health outcomes in adolescence: Associations with family, friends and school engagement. *Journal of Adolescence*. 30 (1): 51-62.
- [30] Weziak-Bialowolska, D., Bialowolski, P., Lee, M. T., Chen, Y., Vanderweele, T. J., and McNeely, E. (2022). Prospective Associations Between Social Connectedness and Mental Health. Evidence From a Longitudinal Survey and Health Insurance Claims Data. *International Journal of Public Health*, 95.