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Original Research Article

Resilience and Empathy as Predictors of **Psychological Wellbeing among Adolescents**

Seema Vinayak¹, Jotika Judge²

¹Professor, Department of Psychology, Punjab University, Chandigarh ²Ph.D. Student, Department of Psychology, Punjab University, Chandigarh

Corresponding Author: Seema Vinayak

ABSTRACT

The purpose of this study was to examine predictors of psychological wellbeing among adolescents. A sample of 150 adolescents (13-15 years) was administered Psychological well-being scale (Ryff, & Keyes, 1995), Conner-Davidson resilience scale (Campbell-Sills & Stein, 2007) and Toronto empathy questionnaire (Spreng, McKinnon, Mar & Levine, 2009) to examine the impact of resilience and empathy on psychological well-being. Correlational analysis, t-test and multiple regression analysis were applied. Resilience and empathy were found to be positively related to psychological well-being. Resilience and empathy were retained as predictors among girls while resilience came out to be the sole predictor of psychological well-being among boys. Girls were found to be more empathetic and resilient than boys. No gender differences were found on psychological well-being.

Keywords: Empathy, gender differences, psychological well-being, resilience

INTRODUCTION

Youth is an important part of population for any nation as they bring new ideas and energy, contributing to the overall development of nation in particular and world in general. In a country like India where 41 % of population is under 20 years of age (Census, 2011), the need to ensure the proper health and development of this group increases manifold. definition of health has itself undergone various changes over years. Today. psychological and mental health is been acknowledged at par with physical health world over. WHO describes health as "a state of complete, physical, mental and social well-being and not merely the absence of disease or infirmity." Any definition of health is today, incomplete without the mention of psychological health. Psychological well-being has become the centre of psychological research with the

advent and growth of field of positive Before the focus shifted psychology. towards positive psychology, health especially psychological health was viewed more in terms of psychological distress and absence of any disease. Positive psychology shifted the focus towards a fully functioning individual who is not only free from infirmity and disease but also strive for his/her own betterment. Defining psychological wellbeing has remained a difficult task as various concepts such as life satisfaction; happiness as well as subjective wellbeing has been included in the foray of psychological wellbeing. Ryff and Keyes (1995) came up with a multidimensional model of psychological wellbeing. This model is a shift from developmental and abnormal psychology approaches psychological well-being. According Ryff's model, psychological well-being has different dimensions; autonomy,

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environmental mastery, personal growth, positive relations with others, purpose in life and self-acceptance. All these dimensions have their own role and add to the psychological well-being of an individual. This multifaceted model is today, the most empirically tested and scientifically valid model of psychological well-being (David, 2015).

Resilience leads to positive youth development (Larson, 2006) and empathy develops extensively during adolescence (Shellenbarger, 2013). Resilience is helpful for adolescents in gaining a healthy sense of identity (Dent, 2016) and empathy helps in the development of emotional as well as social competence in adolescent adulthood (Allemande, Steiger & Fend, 2014). This study explores the relationship of these two variables with psychological well-being among adolescents in Indian context as both these variables contribute positively to mental health. Resilience is defined as "the process of adapting well in the face of adversity, trauma, tragedy, threats, or even significant sources of stresssuch as family and relationship problems, serious health problems, or workplace and financial stressors (American Psychological Association, 2014). Lee, Cheung & Kwong (2012) in their review on resilience, put forward its three main aspects, resilience as a capacity, as a process and as a result. In all these capacities the construct of resilience is considered be important to an developmental construct for adolescents. Sagone and De Caroli (2014) found that resilience in middle as well as late adolescents is positively related to PWB. When adolescents view themselves being growing, expanding and able to make choices, the more resilience they possess.

Empathy has been described in terms of emotional appreciation of others feelings by Lipps, (Montag, Gallinat& Heinz, 2008) in days, when research on empathy began. It is the ability to feel the emotions of others and understanding it from his/her perspective. Empathy was found to be related positively to higher

levels of psychological well-being across various traditions (O'Conner et al., 2015) However, the relationship between empathy and wellbeing has not been clearly defined in literature. Researches like Figley (1995), Jones et al. (2000), Batson, Ahmad & Stocks (2004), Prinz (2011), Bloom (2013), have put forward a different side of empathy where it may relate to negative emotions and distress if one takes it to extreme levels and thus negatively affect an individual's wellbeing. Due to such claims researchers, now, have begun to differentiate between positive and negative empathy (Morelli, Lieberman & Zaki, 2015). However, the majority of research on empathy finds desirable correlates and outcomes (Konrath & Gyrnberg, 2013).

Resilience has been found to play in promoting and enhancing role individuals' well-being various by researchers (Kimberly, Christopher & Kulig, 2000; Souri & Hasanirad, 2011; Hasse et al., Palazzeschi, 2014: Fabio & Scoloveno, 2015). Resilience prepares an individual to fight against and remain vigilant regarding any sort of risk, thus, acting as a deterrent to any potential maladaptive coping and behaviour. Psychological well-being is also found to be positively influenced by empathy (Ickes, 2003; Khajeh, Baharloo & Soliemani, 2014; Bourgault et al., 2015; Shanafelt, 2005; Choi et al, 2016; Morelliet al., 2017). Empathy enhances an individual's selfimage and also helps to maintain relationships (Chung, 2014) which add up to the well-being of an individual. Empathy is a key component of resilience (Brooks & Goldstein, 2003) as when one tries to understand the perspective of others' he also prepares oneself to tackle with any situation that might come his way. By putting ourselves in others' situation we can learn resilience without even being going through the stressful situation. Various researchers, over the years have found a positive correlation between empathy and resilience (Samani et al., 2007; Grant & Kinman, 2014; Haramati & Weissinger, 2015; Smith

& Hollinger-Smith, 2015).

Review of literature points out the importance of psychological well-being for adolescents and this makes it necessary to dig deeper all the aspects that can influence previous researches have resilience and empathy to be two such variables. The primary objective of the study was to predict whether resilience and empathy can predict psychological wellbeing among adolescents. It also measures the associations between these variables viz. resilience, empathy and psychological well-being among adolescents. addition. study also In measures gender differences in resilience, empathy and psychological well-being among adolescents. The study can help in identifying ways in which levels of psychological well-being and mental health among adolescents can be promoted.

Based on review of literature following hypothesis were proposed

- 1. PWB will be positively related to resilience and empathy among adolescents.
- 2. Resilience and empathy will predict PWB among adolescents.
- 3. There will be significant gender differences in levels of resilience, empathy and psychological wellbeing among adolescents.

METHOD

The study was designed to measure the predictors of psychological well-being among adolescents. The data was collected from private schools in Jalandhar district. 300 students of classes 9th and 10th were contacted in the age range of 13-15 years. Out of these 300, 150 students (75 boys and 75 girls) who met the inclusion criteria were chosen as final sample.

Inclusion Criteria

- Participants who were from middle socio economic group were included.
- Participants staying in nuclear families were included.
- Participants from rural areas were included.

Exclusion Criteria

- Adolescents suffering from psychopathology or deteriorated mental or physical health were not included in the sample.
- Adolescents from dysfunctional and broken families were excluded from the sample.
- Adolescents with parents suffering from psychopathology or deteriorated mental or severe physical health issues were not included in the sample.

MEASURES

Conner-Davidson Resilience Scale

Conner-Davidson Resilience Scale (Campbell-Sills & Stein, 2007) consists of 10 items, each rated on a five point scale. Scale has internal consistency reliability of 0.85 along with satisfactory construct validity.

The Toronto Empathy Questionnaire

The Toronto Empathy Questionnaire (TEQ; Spreng, McKinnon, Mar & Levine, 2009) consists of 16 questions, each rated on a five point scale. It has internal consistency reliability coefficient of 0.72 with strong construct validity.

Psychological Well Being Scale

Psychological Well-Being Scale is an 18 item scale (Ryffet al., 1995). All responses are made on 7-point scale ranging from 1(strongly agree) to 7 (strongly disagree). The measure has adequate reliability of .70 (Ryff et al., 2007).

STATISTICAL ANALYSIS

Correlation analysis and predictor analysis were applied. Descriptive statistics viz, mean and standard deviation was also performed and t-test was used to find the gender differences among variables.

RESULTS

One of the objectives of study was to find the relationship between resilience, empathy and psychological well-being. The result shows that resilience (r=0.51***, $p \le 0.01$) and empathy (r=0.54***, $p \le 0.01$) are positively related with psychological well-

being. However, resilience and empathy have the higher correlation (r= 0.67**, p <0.01) as compared to their correlations with psychological well-being.

Another objective of the present study was to delineate the significant predictors for PWB. Variables i.e. resilience and empathy were entered as predictors. Regression Analysis revealed that both resilience ($\beta = 0.61$) and empathy ($\beta = 0.76$) turned out to be relevant and were retained as predictors for girl respondents. They explained 61.3% ($R^2 = 0.61$) of the variance in the criterion variable i.e. PWB (Table 1).

Among the two variables entered as predictors i.e. resilience and empathy only resilience ($\beta = 0.69$) came out to be a significant predictor among boys. explained 48.8 % ($R^2 = 0.48$) of variance in criterion variable i.e. PWB (Table 1).

Table 1 shows the regression equations for resilience and empathy as predictors of PWB.

Predictor	Standardized	t-value	\mathbf{R}^2	F-value
Variables	Coefficients			
Girls				
Resilience	0.61	6.67**	0.37	44.56**
Empathy	0.76	10.25**	0.59	105.23**
Boys				
Resilience	0.69	8.33**	0.48	69.53**

^{**}Significant at p≤ .01 level *Significant at p≤ .05 level

Yet another objective of study was to find gender differences on resilience, empathy and PWB. Gender differences were found on resilience (t = 4.06**, p ≤ 0.01) and empathy (t = $1.80**, p \le 0.01$) while no gender difference exists on PWB (t= 0.32).

DISCUSSION

The current study primarily aimed to associations investigate the between resilience, empathy and psychological wellbeing, and to investigate whether resilience and empathy predicts psychological well being in urban and rural adolescents. Psychological wellbeing is an important aspect for the growth and development of adolescents. Adolescence is a period of turmoil and during this time it becomes imperative to focus not only on physical but psychological wellbeing also on adolescents. Consistent previous with

findings, this study found that resilience is related to psychological wellbeing in adolescents (Miller et al., 1996; Carver, Scheier, & Segerstrom, 2010; Smith & Smith, 2015; Faisal & Mathai, 2017). Ryff and Singer's (2003) model of psychological well-being states that resilient people are better in maintaining their physical as well as psychological health which gives them more power to recover easily and quickly from stressful situations. Resilience gives an individual a better confidence and sense of which empowers them to with stress effectively and negative emotions, and thus, plays important role in psychological health. Rutter (2008) found that there is a common misconception that people who are resilient experience no negative emotions or thoughts and display high wellbeing and optimism in all situations. Contrary to this misconception, the reality remains that resiliency is demonstrated within individuals who can effectively and relatively easily navigate their way around crises and utilize effective methods of coping.

The results also indicate a positive relationship between empathy psychological wellbeing. Not many research has been conducted with these two variables but few researches (Shanafelt et al., 2005; Stutzer & Frey, 2006; Lee, Brennan, & Daly, 2011; Khajeh, Baharloo & Soliemani, 2014) have found about the positive impact that empathy has on psychological wellbeing. Empathy has an influence on psychological well being as taking others' perspective indicates doing away with egoistic perspective of one's own self, and therefore, helps in reduction of selfish and impulsive behaviour. which in contributes towards enhanced well-being (Gazzaniga, 2008). Empathy adds in to psychological well-being because an empathetic individual has positive perception of one's own self resulting from their empathetic feelings and actions towards others. According to Lyubomirsky Layous's (2013) positive-activity and model, acts of kindness and gratitude towards others enhance the well-being of an individual. Empathy enhances self-esteem and purpose in life but over indulgence in the emotion can also result in increased physiological difficulties (Manczak, DeLomgis & Chen, 2016)

Another objective of the present study was to delineate the significant predictors for criterion variable PWB. For this, multiple regression analysis was applied on the sample. The variables i.e. resilience and empathy were entered as predictors. The results revealed empathy contribute majorly in prediction of PWB followed by resilience in females while resilience came out to be the sole predictor of PWB among male respondents. Empathy is associated with positive emotions, able to understand others' in a better way leads to better sense of one's own self and also leads to altruistic actions which in turn gives a satisfaction and happiness of being useful to someone else. Recognizing one's own emotions well and also able to 'feel' the emotional states of others' is beneficial for the mental health (Carnicer & Caterina, 2014). As empathy works to understand others' perspective while remaining detached, it works towards the direction of protecting against damage to psychological well-being (Gerdes& Segal, 2009). Gender differences in empathy develop in adolescence with increase in empathy in female adolescents (Mestre et al., 2009). Thus, it failed to work as predictor of psychological well-being males. The differences among socialisation of genders as well as biological changes occurring at adolescent, tilts the development of empathy towards females (Oransky & Mareeck, 2009). Irrespective of biological gender, femininity has been found to be related with empathetic tendencies, whereas masculinity inhibits these same tendencies (Karniol et al., 1998). On average, male adolescents are more passive emotionally, and therefore, show lower sensitivity and loyalty than do female adolescents (Tello et al., 2012). Thus, the difference between genders contributes to role of empathy as predictor of psychological well-being among male and females.

Resilience comes out be as yet another predictor of psychological wellbeing. Resilience is an ability to bounce back from stressful experiences effectively and quickly (Tugade & Fredrickson, 2004) when one does so he not only gets a sense of self achievement but it also makes him believe that he is strong enough to face any hardships in the future, which resonates positive feelings even in the aftermath of difficult times. Resilience acts as protective factor which enhances positive thoughts and leads to healthy personality characteristics (Shastri, 2013). Hasse et al. (2014) resilience in illness model states that positive health factors induce resilience in individuals, thus establishing a favourable link between psychological well-being and resilience. Youth with any past trace or current mental illness have low levels of thus, showing the inverse resilience. relationship between two variables across time (McDermott et al., 2010). People high on resilience are less likely to interpret an event as stressful, which in turn, contributes towards their psychological well-being. Resilience relates to positive evaluations of one's self, a sense of growth, development and self-determination, it enhances an individual's belief in purposeful and meaningful life, thus, contributing towards psychological well-being (Fava &Tomba, 2009).

The study also found gender differences in terms of resilience and empathy. Girls are found to be high on resilience as well as on empathy. In terms of psychological well-being. no such differences exist. Female on an average are more resilient than male. Women face multiple challenges and prejudices in their lives, the accumulation of all this may enhance the resilience among them (Issacs, 2014). Women also receive more social support and expresses less anger which serve as a protective factor that adds up to their resilient abilities (Galambos, Barker &

Krahn, 2006). Males are more individualistic in terms of coping (Sneed et al., 2006), thus it limits their resilience as they fail to approach for help under difficult situations as compared to females. Girls also scored higher on empathy. This gender difference can be attributed to motivational factors prevalent in society (Klein and Hodges, 2001), as girls from young age are taught to be compassionate, soft spoken while boys are discouraged to have such qualities. However, these differences are evident in self-report measures while when objective measured in ways gender non-existent differences seem to be (Rueckert, Branch & Doan, 2011).

One of the limitations of the study is that the sample is based only on adolescents from rural areas. For better understanding and clear picture of adolescent health it is important to include population from urban areas as well. Also, the sample belongs to middle socio-economic strata which again limit its scope. For further studies, it is recommended that sample be included from different socio-economic strata.

CONCLUSION

On basis of this study, one can conclude that resilience and empathy are very closely related to psychological well being among adolescents. Thus, focus should be put in schools to teach students the art of being resilient and empathetic towards one another. These are positive emotions which will not only add to their psychological health but also lead them towards better inter as well as intrapersonal understanding.

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