Psychosocial Risk Factors: its Relation with Social Cognition, Emotional Regulation and Well-Being

Yaneth Urrego Betancourt1*, John Alexander Castro Muñoz1

1Universidad Piloto de Colombia, Colombia.

Abstract.

In Colombia, an increase of suicidal behavior in adolescents caused by personal and environmental factors is evidenced. This quantitative, descriptive, correlational research aimed to establish the existing relationship between social cognition, perception of the quality of relationships and emotional regulation with the variables of psychosocial risk, suicide risk and level of psychological well-being in adolescents in contexts of high socioeconomic vulnerability of Bogotá. A total of 155 adolescents were selected through non-probabilistic sampling at convenience, with ages between 13 and 17 years ($M = 14.47$ and $DE = 1.03$). The results allowed observing the existence of significant relationships between the study variables. From a linear regression analysis, the emotional bond and emotional self-regulation had a higher level of explanation about the perception of well-being and the psychosocial risk associated with suicide. Finally, the results and implications of a greater participation of the emotional bond in comparison to that of social cognition in adolescence are discussed, in order to formulate programs that promote well-being and prevent risk.

Resumen.

En Colombia se evidencia un aumento en la conducta suicida de los adolescentes, determinada por factores personales y ambientales. Esta investigación de tipo cuantitativa, descriptiva y correlacional tuvo como objetivo establecer la relación existente entre cognición social, percepción de la calidad de las relaciones y regulación emocional con las variables de riesgo psicosocial, riesgo suicida y nivel de bienestar psicológico en adolescentes de contextos de alta vulnerabilidad socioeconómica de Bogotá. Participaron 155 adolescentes seleccionados mediante muestreo no probabilístico a conveniencia, con edades entre los 13 y 17 años ($M = 14.47$; y $DE = 1.03$). Los resultados permitieron observar la existencia de relaciones significativas entre las variables de estudio. A partir de un análisis de regresión lineal, el vínculo afectivo y la autorregulación emocional tuvieron un mayor nivel de explicación sobre la percepción de bienestar y el riesgo psicosocial asociado al suicidio. Finalmente, se discuten los resultados e implicaciones de una mayor participación del vínculo afectivo en comparación al de la cognición social en la adolescencia, para la formulación de programas que promueven el bienestar y previenen el riesgo.

Keywords.

Adolescents, well-being, suicidal risk, social cognition, emotional regulation, family relations.

Palabras Clave.

Adolescentes, bienestar, riesgo suicida, cognición social, regulación emocional, relaciones familiares.
1. Introduction

The concern for adolescent health has been addressed interdisciplinarily, considering unhealthy lifestyle habits a source of risk (Chen, Wang, Yang, & Liou, 2003). However, the gaze still focuses mainly on physical health (Gortmaker, Walker, Weitzman, & Sobol, 1990; Goodman, 1999; Moor et al., 2014; Ames, Leadbeater, & MacDonald, 2018), and it does not acknowledge aspects of the emotional, personal and contextual order that could constitute together psychosocial risk factors.

One of these factors is suicidal risk (Lewinsohn, Rohde, & Seeley, 1994; Gould, Fisher, Parides, Flory, & Shaffer, 1996; Nock et al., 2013; Luby, Whalen, Tillman, & Barch, 2019), which is associated in an important way to the presence of depressive symptoms, bullying and participation of interactive social networks (Urrego Betancourt, Quintero, & Manrique, 2016; Klomek et al., 2013; Sourander et al., 2010; Marini, Dane, Bosacki, & Cura, 2006; Lewinsohn, Rohde, & Seeley, 1998; Lewinsohn, Roberts, Seeley, Rohde, & Et, 1994; Harter, Marold, & Whitesell, 1992; Grover & Avasthi, 2019).

In the health of the adolescent, there is increasing concern on their self-care practices and the emotional difficulties that accompany this stage (Abraham, Lee, Nelson, Yue, & Chow, 2015; Walker et al., 2002; Trinidad, Unger, Chou, & Anderson, 2004; Crockett, Carlo, Wolff, & Hope, 2016), as well as the interest in reducing dependency on parents and strengthening attachment with peers (Franz & White, 1985; Kidwell, Dunham, Bacho, Pastorino, & Portes, 1995; Wim & Inge, 2010; Urrego Betancourt et al., 2014; Cui, Graber, Metz, & Darling, 2019).

The promotion of health in this population has focused on self-care practices in physical health (Brenda & Barbara, 2006; Mohamadian, Eftekhar Ardebili, Rahimi Foroushani, Taghdisi, & Shojaiezade, 2011). However, as Pender (1996) points out, it includes cognition and social support (Wu, Pender, & Nauredline, 2015). In addition, several investigations highlight the role played by the family in both health and risk prevention (Cuffe, McKown, Addy, & Garrison, 2005; Fatori, Bordin, Curto, & De Paula, 2013; Ellis et al., 2017).

In the present investigation, the well-being and the psychosocial risk are considered, starting from the social cognition, a mediator in the social functioning that includes two essential components: empathy, according to Eisenberg (2000), is an emotional response that comes from understanding the state or situation of another person and is similar to what the other person is feeling; and the Theory of Mind (ToM), specified by Taylor (1998, 2006) as the inference of cognitive, motivational and affective states in others. In this regard, recent research in adolescence and young adulthood highlight the role of empathy in the processes of social interaction (Grant, 2014; Wagaman, Geiger, Shockley, & Segal, 2015; Van der Graaff, Carlo, Crocetti, Koot, & Branje, 2018), as well as the role of context on its modulation and its contribution to increase psychological well-being (Coutinho, Silva, & Decety, 2014; Melloni, Lopez, & Ibanez, 2014; Wondra & Ellsworth, 2015).

It also included the perception of social support (Tardy, 2006), understood as the provision or possibility of receiving support from the network, even if it is not being used (in Barrón, 1996), which has been included as an intervening factor in the promotion of health and prevention of disease (Rodrigo & Byrne, 2011; Bekele et al., 2013; Cheng et al., 2014; Greco et al., 2014; Kwan & Gordon, 2016).

Additionally, the perception of the quality of intra-familiar relationships (Rivera-Heredia & Andrade, 2010), along with the attachment, defined as one bond that is formed between itself and another, a bond that joins them in space and that lasts over time (Bowby, 1969/1982, 1998; Ainsworth, Blehar, Waters, & Wall, 1978), contribute into formal education contexts to the promotion of well-being in children and adolescents (Everri, Mancini, & Fruggeri, 2015; Leme, Del, & Coimbra, 2015; Liang, Lund, Mousseau, & Spencer, 2016).

Another of the study variables was emotional self-regulation, given the challenges it represents in this stage of life and its importance in the prevention of suicide (Weinberg & Klonsky, 2009; Crockett et al., 2016; Bottoms, 2013). Even more, as Gross and Thompson (2017) points out, it refers to how intrinsically each individual manages, expresses and experiences their emotions when they introduce themselves.

All these variables were studied for their explanatory value in the promotion of well-being from the perspective of eudaimonia, which states that human beings seek to live their lives the best possible way, based on their individual perspective to do it. This was proposed by Aristotle in Ethics to Nicomaco (cited by Ryff, 1989; Ryff & Keyes, 1995; Waterman, 1990). In 1989, Carol Ryff takes and theoretically structures this perspective, considering different approaches together to positive functioning in psychology: Erikson’s stages of psychosocial development (1959, 1994), Neugarten’s continuous growth (1973), the descriptions of well-being of clinical psychology from Maslow’s conceptualization (1968), Allport’s formulation of maturity (1961), and Rogers’s full personal functioning (1974). As a result, Ryff (1989); Ryff and Keyes (1995); Ryff and Singer (2013); Ryff et al. (2016) proposes that psychological well-being consists of the dimensions of self-acceptance, self-realization, autonomy, personal growth, quality of relationships and control of the environment. This, in turn, is conceptually related to the motivational theoretical formulation of the organismic metatheory on self-determination posed by Deci and Ryan (1987).
| Model participation | Variable Instrument | Dimensions | Cronbach Alpha | Expected mean (Obtained in validation) | Average expected | Mean (Obtained) | Standard deviation obtained |
|---------------------|----------------------|------------|---------------|--------------------------------------|------------------|----------------|--------------------------|
| Empathy             | Fantasy              |            | 0.73          | 14.41 (5.32)                         | 15.32            | 4.27           | 5.96                     |
| | Perspective take   | 0.64             | 18.25 (4.37) |            | 11.37                               | 11.37            | 4.59           | 3.96                     |
| | Empathy concern    | 0.60             | 18.25 (4.37) |            | 11.37                               | 11.37            | 4.59           | 3.96                     |
| | Personal discomfort | 0.65             | 11.37 (4.59) |            | 12.84                               | 12.84            | 4.05           | 3.96                     |
| | FRI - Evaluation scales | 0.82 | Total Theory of the mind | | | | |
| | | inter-personal | 0.73 | 14.41 (5.32) | 15.32 | 4.27 | 5.96 |
| | | reactivity | 0.64 | 18.25 (4.37) | 11.37 | 4.59 | 3.96 |
| | | empathy concern | 0.60 | 18.25 (4.37) | 11.37 | 4.59 | 3.96 |
| | | personal discomfort | 0.65 | 11.37 (4.59) | 12.84 | 4.05 | 3.96 |
| | | Total Theory of the mind | 0.61 | 23.36 (4.87) | 19.06 | 3.79 | 8.27 |
| | Quality of ERI – Evaluation scales of intra-familial relationships | | 0.92 | 29.98 (8.27) | 20.08 | 5.14 | 13.57 |
| | | emotional states in others | | | | |
| | | | 61 | 23.36 | 19.06 | 3.79 | 8.27 |
| | | | 60 | 18.25 | 14.44 | 3.36 | 2.96 |
| | | | 60 | 18.25 | 18.25 | 4.37 | 3.96 |
| | | | 65 | 11.37 | 12.84 | 4.59 | 3.96 |
| | | | 64 | 15.32 | 14.41 | 4.27 | 5.96 |
| | Expression | 0.89 | | | | |
| | | | 0.87 | | |
| | | | 0.87 | | |
| | | | 0.87 | | |
| | Predictive variables | | | | |
| | | | 0.87 | | |
| | | | 0.87 | | |
| | | | 0.87 | | |
Camargo, Mejía, Herrera, and Carrillo (2007) | Attachment-Neighbourhood-Positive Attachment-Neighbourhood-Danger Attachment–Alienation | .70 | Medium Punctuation | 7.58 | 2.29 |

| | | | | Expected:6 | Expected:10 | Expected:35 |

Emotional regulation Scale of emotional self-regulation (Cortés, Cuellar, González, & Gualteros, 2016) | Attention and emotional recognition | .62 | Medium Punctuation | 8.83 | 1.84 |

| | Emotional self-regulation in the social field | .61 | Medium Punctuation | 5.39 | 1.46 |

| | Emotional regulation strategies | .60 | Medium Punctuation | 7.82 | 1.93 |

| | Adaptation to new and complex situations | .60 | Medium Punctuation | 8.61 | 1.84 |

| | Total-Emotional regulation | .74 | Medium Punctuation | 29.76 | 6.36 |

Suicide risk Test of characterization of suicide risk (Urrego Betancourt et al., 2016) implemented in Cortés et al. (2016) | Cognitive factors | .98 | Medium Punctuation | 23.00 | 13.93 |

| | Emotional factors | .91 | Medium Punctuation | 17.84 | 7.98 |

| | Behavioral factors | .92 | Medium Punctuation | 19.94 | 11.08 |

Psychosocial risk instrument to identify psychosocial risk factors associated with child suicide. (Lalinde, Rey, Ramirez, Laguna, & Rodríguez, 2012) | Ability to identify family ties | .61 | Medium Punctuation | 29.35 | 4.79 |

| | Ability to identify physical abuse | .78 | Medium Punctuation | 20.45 | 5.92 |

| | Ability to identify psychological abuse | .81 | Medium Punctuation | 7.39 | 3.16 |

| | Ability to identify academic pressure | .80 | Medium Punctuation | 15.67 | 5.35 |

Perception of psychological well-being Adaptation to the Psychological Well-being Test by Ryff and Keyes (1995), conducted by Diaz et al. (2006) and validated in Colombia by Pineda-Roa, Castro-Muñoz, A., and Chaparro-Clavijo (2018) | Self-acceptance | .69 | Medium Punctuation | 23.87 | 5.92 |

| | Positive relationships | .63 | Medium Punctuation | 24.63 | 5.12 |

| | Autonomy | .62 | Medium Punctuation | 30.50 | 5.81 |

| | Domain of the environment | .60 | Medium Punctuation | 24.81 | 4.53 |

| | Personal growth | .70 | Medium Punctuation | 18.00 | 3.89 |

| | Purpose in life | .72 | Medium Punctuation | 25.19 | 5.79 |
| Correlation | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
|-------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| **Empathy-Perspective shot** | .377** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Empathy-Fantasy** | .292** | .414** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Empathy - Upset Staff** | .185* | .139 | .154 | .057 | .179* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Total Empathy - Tom** | .151 | .162* | .05 | .063 | .111 | .076 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Union and support** | .094 | .089 | .088 | .119 | .141 | .079 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Expression** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Difficulties** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Instrumental support** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Adaptation to stress and complex situations** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Total - Social support** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Parents attachment-Confidence and communication** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Parental attachment and communication** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Psychosocial risk-Sibling attachment** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Psychosocial risk - Physical abuse** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Psychosocial risk - Psychological abuse** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Suicide Risk-Cognitive** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Suicide Risk-Emotional** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Suicide Risk-MOTOR** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Psychosocial risk - Family bonding** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Psychosocial risk - Psychological abuse** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Psychosocial risk - Physical abuse** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Psychosocial risk - Sibling attachment** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Psychosocial risk - Digital abuse** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Eudaimonic well-being** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Eudaimonic well-being - Self-acceptance** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Eudaimonic well-being - Positive relationships** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Eudaimonic well-being - Autonomy** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Eudaimonic well-being - Domain of the environment** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Eudaimonic well-being - Personal growth** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Eudaimonic well-being - Life purpose** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

** The correlation is significant at the 0.01 level (bilateral).
Additionally, the psychosocial risk was incorporated from the evaluation of the presence of environmental variables that include psychological and socioeconomic factors, such as problems related to the primary group, the social, educational environment (N. Londoño et al., 2010) and that represent difficulties and suicidal risk, characterized by beliefs linked to the end of life (Vargas & Saavedra, 2012). Thus, the question that this research sought to answer was:

Is the relationship between the perception of well-being and the presence of psychosocial risk of suicide significant, taking into account social cognition, the perception of the quality of social and emotional relationships, and emotional regulation?

Therefore, the objective of the research was to establish the level of each of the variables in the adolescent population and to observe if the relationships between social cognition, the perception of the quality of relationships and the emotional regulation are significant in relation to the psychosocial risk, the suicidal risk and the level of psychological well-being in adolescents in highly vulnerable contexts in Bogotá.

2. Method

2.1 Investigation design
This was a quantitative methodology research, of descriptive nature, with analysis of correlational data, cross-sectional and non-experimental (Hernández Sampieri, Fernández Collado, & Baptista Lucio, 2010).

2.2 Participants
A total of 155 adolescents from middle school (66 of 8th grade and 89 of 9th grade) participated, with a range of ages between 13 and 17 years \( (M = 14.47 \text{ and } DE = 1.03) \), in conditions of socio-economic vulnerability, belonging to a school in the city of Bogotá, situated in the locality of Kennedy, where there are high health tensions in the adolescent population (Hospital del Sur E.S.E, 2014) and high rates of suicide (Unidad de atención del sur, 2016). Sampling was for convenience and the data from adolescents who reported suicide attempts, and those who neither themselves nor their families wanted them to participate in the study were excluded.

2.3 Instruments
The instruments are presented in Table 1, specifying the evaluated dimensions, the internal consistency levels, the expected means and the obtained means.

2.4 Procedure
The research was carried out in the five phases. First, identifying schools in localities with high socioeconomic vulnerability, with practice agreements and research with Universidad Piloto de Colombia. Secondly, obtaining institutional permits and signing consents (parents) and assents (teenagers). Thirdly, applying the instruments in two sessions, in order to avoid bias due to tiredness or social desirability, during two consecutive days. In the first one, the following were applied: the IRI, Baron-Cohen’s Eyes test, the ERI, the MOS, the Emotional Self-regulation questionnaire; in the second, the suicide risk, psychosocial risk and perception of well-being tests. The applications were done in five groups, according to the distribution of students in their classrooms. The instructions were read verbally as each participant selected the answers. Two formats were created to record each one of the answers through pencil and paper. 4) Obtaining data from the typing of each of the answers to a matrix designed in Excel, according to the options of each instrument. Fifthly, analyzing results through the use of SPSS software, v.24, as well as elaborating the discussion and conclusions. Statistically, descriptive analyzes were performed through measures of central tendency (mean and standard deviation expected v. Obtained, see Table 1) and non-parametric inferential analyzes of bivariate correlation type, using Spearman’s rho. Finally, linear regression analysis was carried out using the simultaneous introduction method, in which all the predictive variables are entered in order to determine those variables that best allow predicting the behavior of the research criterion variables from the level of significance (Alderete, 2006).

3. Results
The measurements of empathy and the theory of the mind ToM provided the average expected levels. There were high levels of perception of social support, quality in intra-familiar relationships, and attachment from parents and peers. High levels of emotional regulation and perception of well-being were observed. Finally, regarding the presence of psychosocial risk associated with suicide, low levels were reported.

Concerning the relationship between the variables (see Table 2), we can see the complete matrix composed by the relationships among the 37 evaluated dimensions from the nonparametric statistic of Spearman’s rho.

In Table 3, the significant relationships with value \( p < 0.01 \) and \( R \) equal or superior to 0.3 are highlighted.

Finally, to determine the explanatory capacity of the predictive variables on the criterion variables, linear regression analyzes were performed, which are presented in Table 4.

This analysis highlights the relationship between the perception of social support, attachment and emotional self-regulation with indicators of psychosocial risk and the perception of well-being. In addition, it is possible to identify a positive relationship between the affective bond with parents and the identification of protective factors of psychosocial risk. At the same time, there is a relationship between “Alienation”, a negative indicator
### Table 3

*Significant relationships with P value < 0.01 and Spearman’s R equal to or greater than 0.3*

| Predictive variables / Criteria variable | Spearman’s rho correlation |
|-----------------------------------------|----------------------------|
| Perceived informational / emotional support Ability to identify family ties | .40*** |
| Total - Perception of social support Ability to identify family ties | .34*** |
| Psychological well-being - Purpose in life | .30*** |
| Peer attachment - Trust and communication Ability to identify the family bonding | .55*** |
| Ability to identify family ties | .31*** |
| Psychological well-being - control of the environment | .37*** |
| Psychological well-being - positive relationships | .34*** |
| Psychological well-being - control of the environment | .36*** |
| Attachment - Danger Psychological well-being - Purpose in life | .38*** |
| Ability to identify physical abuse | .33*** |
| Ability to identify psychological abuse | .44*** |
| Attachment - Alienation Ability to identify physical abuse | .42*** |
| Ability to identify academic pressure | .58*** |
| Emotional self-regulation in the social field Psychological well-being - Self-acceptance | .38*** |
| Psychological well-being - Autonomy | .35*** |
| Psychological well-being - Domain of the environment | .33*** |
| Psychological well-being - Purpose in life | .39*** |
| Emotional self-regulation strategies Psychological well-being - Self-acceptance | .39*** |
| Psychological well-being - Domain of the environment | .38*** |
| Psychological well-being - Purpose in life | .36*** |
| Self-regulation - adaptation to new situations Psychological well-being - Domain of the environment | .31*** |
| Total emotional self-regulation Psychological well-being - Personal growth | .32*** |

### Table 4

*Multiple linear regression analysis set through the simultaneous introduction method*

| Multiple linear regression | Dependent variable / Independent | Beta  | Statistical significance | Adjusted R Square |
|----------------------------|----------------------------------|-------|--------------------------|-------------------|
| 1 | Ability to identify family ties | .12 | .02 | .34 |
|  | Perception of informational / emotional support | .05 | .29 | |
| 1 | Parent attachment - Trust and communication | .03 | .00 | |
| 1 | Peer attachment - Trust and communication | .03 | .19 | |
| 2 | Ability to identify academic pressure | .18 | .03 | .20 |
| 2 | Attachment - Danger | .08 | .00 | |
| 3 | Psychological well-being - Self-acceptance | .14 | .08 | .34 |
| 3 | Attachment - Danger | .06 | .00 | |
| 4 | Emotional self-regulation in the social field | .32 | .01 | |
| 4 | Self-regulation - adaptation to new situations | .24 | .29 | |
| 4 | Emotional self-regulation strategies | .24 | .00 | .19 |
| 5 | Psychological well-being - Domain of the environment | .26 | .28 | |
| 5 | Total emotional self-regulation | .20 | .18 | |
| 5 | Emotional self-regulation in the social field | .19 | .00 | .24 |
| 5 | Self-regulation - adaptation to new situations | .05 | .36 | |
| 5 | Emotional self-regulation strategies | .04 | .09 | |
| 6 | Parent attachment - Trust and communication | .03 | .08 | |
| 6 | Psychological well-being - Purpose in life | .33 | .020 | |
| 6 | Emotional self-regulation in the social field | .24 | .023 | .24 |
| 6 | Emotional self-regulation strategies | .03 | .002 | |
| 6 | Parent attachment - Trust and communication | .03 | .132 | |
of attachment, as a predictor of psychosocial risk. Finally, the indicators of the perception of well-being are affected by the strategies of emotional self-regulation and by the affective bond with parents and peers.

4. Discussion

In the study sample, the expected levels of social cognition and emotional regulation were presented. Although these levels may be influenced by the n of the sample and because only one educational institution was included, adolescents are in a stage where social relationships with their peers are important, which implies the use of skills to infer the cognitive, motivational and affective states of others (Taylor, 2006). In this regard, the capacity for mentalization helps to understand emotions and generate empathy.

Regarding the level of significance, the role of social cognition in the perception of well-being and risk prevention was reaffirmed in these findings (Melloni et al., 2014; Wondra & Ellsworth, 2015; Taylor, 2006; Davis, 2017). This relationship was only evidenced from some dimensions, especially personal growth and life purpose, and although it was significant, it was not strong. However, it can be seen in clinical implications how the role of having clear goals and generating conditions for the development of potentialities can be effective in preventing situations that lead to health deterioration. School levels and the stage of life can also explain the score, as adolescents are approaching the end of their basic cycle and bit by bit they become more reflective about their future.

The results also showed a relationship between the perception of the quality of intra-familiar relationships and the promotion of well-being, both evaluative variables on social interactions and the processes involved (Taylor, 2006; Davis, 2017).

In the same direction, but with greater strength in the association, the affective bond was related to the perception of well-being and psychosocial risk. The importance of attachment to parents and peers and their association with well-being (Urrego Betancourt et al., 2014), was confirmed. And contrary to what has been found on reducing dependence on parents (Franz & White, 1985; Kidwell et al., 1995; Win & Inge, 2010), which the study group shows, is that the support received by parents is found to be a protective factor and an aspect to be taken into account in the caring practices and the perception in the sense of well-being. On the other hand, it is interesting to find that according to what is reported in the health indicators (Hospital del Sur E.S.E, 2014; Unidad de atención del sur, 2016), the participants’ school location presents several psychosocial risks, tensions in health and suicidal behavior. Those aspects were not evident in the sample, and that confirms once again the protective role found in other investigations of the links with parents and peers and their role in promoting well-being (Everri et al., 2015; Leme et al., 2015; Liang et al., 2016), which should be integrated into the design of effective suicide prevention and welfare promotion programs.

In the same direction, the role of emotional self-regulation was observed, although it was only linked to the perception of psychological well-being (Gross & Thompson, 2017; Crockett et al., 2016). No strong association was found to suicide risk because the results were within the expected mean. In other words, despite the fact that there was no causal relationship, a greater perception of psychosocial risk and a lower suicide risk could be established indirectly.

5. Conclusions

The results show that in adolescence, the explanatory capacity of the factors coming from affective relationships continues to be greater. (Bowby, 1969/1982, 1998; Ainsworth et al., 1978; Liang et al., 2016; Rodríguez-Fernández et al., 2016; Cui et al., 2019; Grover & Avasthi, 2019).

These findings, despite the limitations related to the sample size and the type of sampling, suggest that, in order to intervene, with the purpose of promoting adolescent health and wellbeing, it is important to strengthen the affective bond and the emotional self-regulation strategies as central sources, without ignoring the role of social cognition and the perception of social support in this population.

It is suggested to continue with studies that expand the sample, validate the relationship of the variables, including different sociodemographic characteristics and the protective factors found here, in the design of programs that help to reduce suicide, being a daily problem that has increased in a vertiginous way in groups of adolescents and children.

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