

## INTRODUCTION

Adolescence is a crucial developmental stage in which the need to upgrade and integrate personality aspects such as identity integration, interpersonal relations and

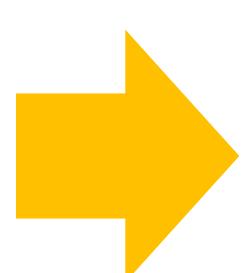
Currently, researchers and clinicians are conducting a wide-ranging reflection on personality disorders (PDs) (Skodol, 2012): significant aspects on this topic are the need to delineate the core domains that define personality pathology, as well as the demand to formulate a clinically relevant description of PDs. Within a dimensional perspective, given the evidence of a strong relationship between identity pathology and PDs, identity emerges as a key process, considering both the subjective experience (integration vs. diffusion) and the social-cognitive perspectives (degrees of development of identity processes), in unravelling aspects of the self and interpersonal impairment in personality pathology (Clarkin et al., 2015).

affect regulation emerges (De Fruyt et al., 2014; Ensink et al., 2015).

Furthermore, given that during adolescence it is crucial to integrate changes of self-image related both to mental and bodily experiences, few studies have explored the relationship between identity integration in adolescence and the presence of somatic symptoms (Jung et al., 2013).

#### I.M.A. Benzi, F. Madeddu

Dipartimento di Psicologia, Università degli Studi di Milano-Bicocca ilaria.benzi@unimib.it



# WHICH ASPECTS OF IDENTITY INTEGRATION DESCRIBE ADOLESCENTS WITH SOMATIZATION SYMPTOMS?

IS THIS RELATIONSHIP MEDIATED BY PERSONALITY TRAITS?

## **METHODS**

#### **PARTICIPANTS**

**523 community participants** (mean age 16.4± 1.61; range 13–19; Female=61.8%, Male=38,2%) recruited in high-school institutes in Northern Italy. Inclusion criteria for all participants were as follows: (1) age between 13-19 years old; (2) exhibit no cognitive impairment and (3) not meet the criteria for significant psychological distress.

#### **MATERIALS**

Severity Indices of Personality Problems 118 – SIPP-118 (Verheul, et al., 2008; Feenstra et al., 2011); Personality Inventory for DSM-5 – PID-5 (APA, 2013; Fossati et al., 2013); Symptom Checklist-90-R – SCL-90-R (Derogatis, 1977; Sarno et al., 2011)

#### STATISTICAL ANALYSES

All analyses were performed using SPSS 23.0 (SPSS, Chicago, IL). Descriptive statistics were used to describe the sociodemographic and psychopathological characteristics.

Multiple regression and linear regression models were conducted to evaluate which identity aspects were associated with the presence of somatization symptoms, controlling for the effect of gender and age, and whether this association was mediated by personality traits (internalizing and externalizing).

## **RESULTS**

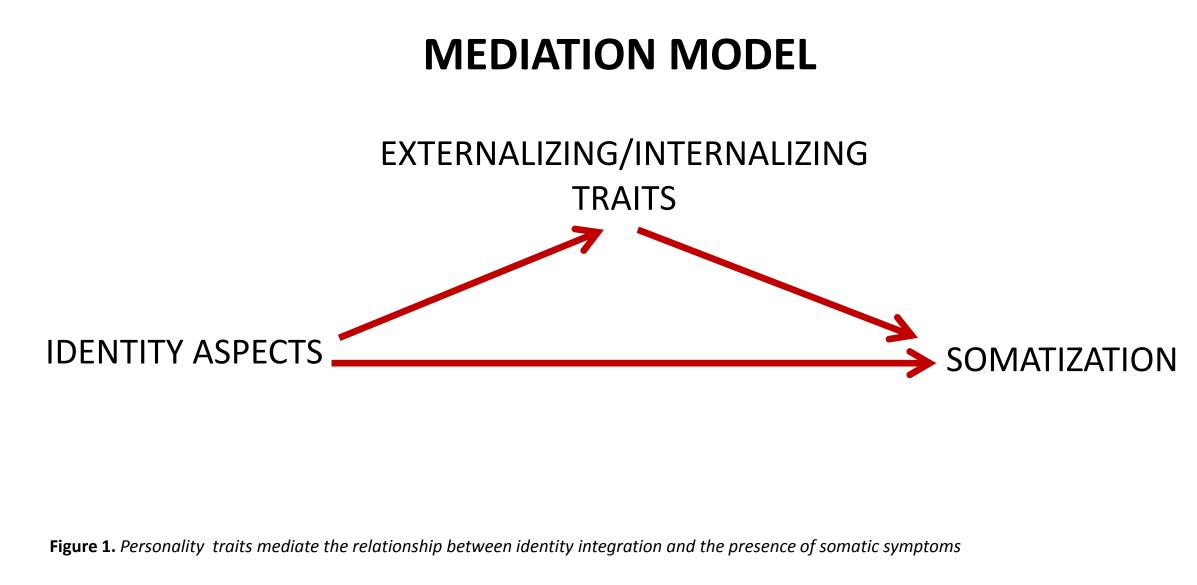
### ASSOCIATION BETWEEN IDENTITY INTEGRATION ASPECTS AND SOMATIZATION SYMPTOMS

Results showed that, when the effects of the IDENTITY INTEGRATION dimensions are considered together in a multiple regression model, **only the dimension of SELF-RESPECT, STABLE SELF-IMAGE and SELF-REFLECTIVE FUNCTIONING had a significant effect on the presence of SOMATIZATION SYMPTOMS**. The greater the difficulty to accept themselves (Self-respect:  $\beta$  = -.13, t(516) = -2.58, p < .01), the lower the stability of their self-image (Stable Self-image:  $\beta$  = -.16, t(516) = -2.8, p < .01) and the greater the impairment in the ability to reflect about themselves (Self-reflective functioning:  $\beta$  = -.16, t(516) = -3.06, p < .01) the higher the probability of having somatization symptoms was .

## PERSONALITY TRAITS (EXTERNALIZING AND INTERNALIZING) MEDIATE THE RELATIONSHIP BETWEEN IDENTITY ASPECTS AND SOMATIZATION SYMPTOMS [Figure 1]

The presence of EXTERNALIZING personality traits and INTERNALIZING personality traits was associated with the presence of SOMATIZATION SYMPTOMS. Moreover, the presence of SOMATIZATION SYMPTOMS was associated with externalizing personality traits (Antagonism, Disinibition) and internalizing personality traits (Negative Affect, Detachment) [Table 1].

**Table 1.** Mediation model summary for internalizing and externalizing personality traits



Note. Standardized regression coefficients are reported. \*p<.05; \*\*p<.001.

IDENTITY ASPECTS	β	p	β	p
	EXTERNALIZING TRAITS		INTERNALIZING TRAITS	
SELF-RESPECT	32**	.00	28**	.00
STABLE SELF-IMAGE	34**	.00	18*	.01
SELF-REFLECTIVE	31**	.00	23**	.00
FUNCTIONING				
PURPOSEFULNESS	29**	.00	16	.07
ENJOYMENT	<b>23</b> **	.00	03	.69

American Psychiatric Publishing, Arlington, VA.

CONCLUSIONS

In line with the literature findings this study suggests that the greater is the difficulty that adolescents experience to accept themselves, the lower their stability of their self-image and the greater the impairment in their ability to reflect about themselves are, the higher the probability of having somatization symptoms is. Part of this effect is mediated by personality traits (internalizing and externalizing): the lower the identity integration is, the higher pathological personality traits are and the higher the probability of having somatization symptoms is.

This study may have important implications both on research and clinical practice:

- → the need to study the role of identity integration and externalizing and internalizing personality traits on the onset and maintenance of somatic symptoms
- → the importance of focusing psychotherapy interventions on adolescents with somatic symptoms through strengthening the aspects of identity integration, such as self acceptance, reflective functioning and self-image, accounting for pathological personality traits.

## REFERENCES

- American Psychiatric Association (2013). *Diagnostic and statistical manual of mental disorders* (5th ed.).
- Clarkin, J. F., Meehan, K. B., & Lenzenweger, M. F. (2015). Emerging approaches to the conceptualization and treatment of personality disorder. Canadian Psychology/Psychologie canadienne, 56(2), 155–167.
- and treatment of personality disorder. Canadian Psychology/Psychologie canadienne, 56(2), 155–167.
  De Fruyt, F., & De Clercq, B. (2014). Antecedents of personality disorder in childhood and adolescence:
- toward an integrative developmental model. Annual review of clinical psychology, 10, 449-476.
   Jung, E., Pick, O., Schlüter-Müller, S., Schmeck, K., & Goth, K. (2013). Identity development in adolescents with mental problems. Child and adolescent psychiatry and mental health. 7(1), 1
- with mental problems. Child and adolescent psychiatry and mental health, 7(1), 1.

   Karin Ensink, Marko Biberdzic, Lina Normandin & John Clarkin (2015) A Developmental Psychopathology
- and Neurobiological Model of Borderline Personality Disorder in Adolescence, Journal of Infant, Child, and Adolescent Psychotherapy, 14:1, 46-69.

  Lee, B. (2013). Ambivalence over emotional expression and symptom attribution are associated with
- Lee, B. (2013). Ambivalence over emotional expression and symptom attribution are associated with self-reported somatic symptoms in singaporean school adolescents. Asian Journal of Social Psychology, 16(3), 169-180.
- Mulcahy, S. L. (2006). The relationship between somatic complaints and emotional distress in adolescents in residential treatment settings (kentucky, illinois) Available from PsycINFO. (621566639; 2006-99014-148).
  Ruchkin, V., & Schwab-Stone, M. (2014). A longitudinal study of somatic complaints in urban adolescents:
- The role of internalizing psychopathology and somatic anxiety. Journal of Youth and Adolescence, 43(5), 834-845.
  Shrivastava, A., & Mukhopadhyay, A. (2009). Emotional intelligence and personality pathology of adolescents affected with internalizing symptoms. Journal of Projective Psychology & Mental Health,
- 16(1), 41-45.
  Skodol, A. E. (2012). Diagnosis and DSM-5: Work in progress. The oxford handbook of personality
- disorders. (pp. 35-57) Oxford University Press, New York, NY.
  Westen D, Chang C. Personality pathology in adolescence: a review. Adolesc Psychiatry. 2000;25:61–100.