# Lifestyle Risk and Protective Factors Associated with **Depression in Young Adults:**

# Results from a Large Cross-Sectional Study in the General Population

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## **INTRODUCTION**

#### Depression

- If a most common mental disorder in the world: 11% of adults suffer from depression.<sup>[2]</sup>
- Adults aged under 30 years are the most at risk to develop depressive symptoms.<sup>[2]</sup>
- ✓ Depression impacts everyday life, in all life domains (e.g., work, social & family lifes, hobbies).<sup>[2]</sup>

#### Lifestyle

- ✓ Includes day to day behaviors and functions of individuals (e.g., occupation, leisure activities, sleep patterns, dietary choices, and exercise).[3]
- $\checkmark$  Plays an important role in the prevention, development, progression, and treatment of depression.<sup>[2]</sup>

Investigation of the relationships between depressive symptoms and lifestyle in young adults to identify risk and protective factors.

Self-administered questionnaires (online completion):

- (1) Socio-demographic information,
- (2) Center for Epidemiology Studies Depression Inventory (CES-D), (3) Five Facet Mindfulness Questionnaire - Short Form (FFMQ-SF),
- (4) Connectedness to Nature Scale (CNS),
- (5) 10-item Assessment of Eating Habits,
- (6) Self-assessment of physical activity, (7) Spiegel's Sleep Questionnaire, and
- (8) Brief Resilience Scale (BRS).
- N= <u>155 (</u>40 male,115 female) French-speaking young adults aged <u>18</u> to 29 (Average age: 25.6 ± 2.7)

### RESULTS

	Depression	
Mindfulness (Five Facet Mindfulness Questionnaire (FFMQ))	-0.59 ***	Lifestyle-related risk factors for depression Decreased physical activity> increased depressive symptoms Unhealthy diet> increased depressive symptoms Lifestyle-related protective factors for depression Better mindfulness skills> reduced depressive symptoms Better connection to nature> reduction of depression symptoms
FFMQ_Observing inner events	-0.07	
FFMQ_Describe experience	-0.26 **	
FFMQ_Non-Reactivity	-0.43 ***	
FFMQ_Acting mindfully	-0.49 ***	
FFMQ_Acting mindfully	-0.57 ***	
The Connectedness to Nature Scale (CNS)	-0.03	
Healthy Diet (Evaluation of eating habits)	-0.27 ***	
Physical Activity (Self-assessment test)	-0.21 **	
Sleep Quality	-0.27 ***	
Ability to bounce back or recover from stress (Brief resilience scale)	-0.55 ***	Affiliations and Contac <sup>1</sup> Faculty of Psychology, RUCHE Research Unit, University Liége, Belgum Contact: <u>maedeh.cacvin@ulicoc.b</u>
Table 1: Correlation Between Depression (CES-D) and Lifestyle Factors Note: * p < .05, ** p < .01, ***p < .001		References [2]World Health Organization. (2017). Depression and othe common mental disorders: global health estimates (Ne WHO/MSD/MER/2017.2). World Health Organization.
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## DISCUSSION

In line with the existing literature, we evidenced negative correlations between depression and: Mindfulness <sup>[4]</sup>

- Nature connectedness <sup>[5]</sup>
- Healthy diet [6]
- Physical activity<sup>[7]</sup>
- Sleep quality [8] \_
- Resilience [9]

Higher engagement in healthy lifestyle behaviors correlates with lower depressive symptoms [10].

Focusing on lifestyle modification m present two benefits: 1. Prevention 2. Treatment of depression [11].

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# GOAL



