# Calmly Coping: A Motivational Interviewing via Co-Active Life Coaching Intervention for Stress among University Students

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#### **ABSTRACT**

The Purpose of this semester-long pilot study was to assess the impact of Motivational Interviewing via Co-Active Life Coaching (MI-via-CALC) on the stress management experiences of 30 full-time, English-speaking students aged 17-24 years. Methods: Participants' experiences were assessed quantitatively using the previously validated Perceived Stress Scale and Hospital Anxiety and Depression scales) at pre-, mid-, and postintervention.

Findings: Three one-way, repeated-measures ANOVAs were completed for each scale and statistically significant differences (p < .05) in stress reduction were found for all scales between pre-intervention to mid-intervention, and between preintervention to post- intervention; no statistically significant differences occurred between mid-intervention to post- intervention to post- intervention revealed participants' positive experiences with the intervention and improved stress management proficiencies. Methods were employed throughout to enhance qualitative data trustworthiness.

#### **BACKGROUND & RATIONALE**

- 20% of Canadians experience a mental health issue each year; 33% say needs are entirely or partially unmet<sup>1</sup>.
- •People aged 15-24 are in the most vulnerable age group with regard to suffering from mental illnesses<sup>1</sup>.
- •56% of Western students rated their overall stress levels as "more than average" or "tremendous" within the past 12 months<sup>2</sup>.
- •33% of Western students reported academic performance is affected by stress, and 27% reported their performance is impacted by anxiety<sup>2</sup>.
- •Western's Psychological Services has seen a 77.5% increase over 4 years, with a 3-month wait to be seen.
- •Innovative approaches are needed to support students.

# **PURPOSE**

•To assess the impact of MI-via-CALC on the stress management experiences of undergraduate students experiencing high stress.

# **ELIGIBILITY CRITERIA**

- •Full-time, English-speaking students aged 17-24 years;
- Not on medications for stress, anxiety, or any other mood/ mind-altering drugs;
- Not receiving counselling or therapy; and
- Experiencing stress that interferes with daily life and activities, and feels unmanageable.

# **METHODS & DATA ANALYSIS**

- •Data was collected at 3 time points (pre-, mid-, and postintervention):
- Qualitative: Semi-structured interviews used to gather firsthand experiences from participants. Themes compiled using inductive content analysis<sup>3</sup>.
- •Quantitative: The Perceived Stress Scale (PSS)<sup>4</sup> and the Hospital Anxiety Depression Scale (HADS)<sup>5</sup> were used. Three one-way repeated measures ANOVAs determined changes.

# WHY MOTIVATIONAL INTERVIEWING VIA CO-ACTIVE LIFE COACHING (MI-via-CALC)?

- •MI-via-CALC is a one-on-one approach in which the coach and client work together in service of meeting the client's needs.
- •Approach used to overcome MI's reported weaknesses of putting tenets into action<sup>6,7,8</sup>. •Studies observing the impact of MI-via-CALC on obesity and smoking cessation have been positive – e.g., results indicated a
- reduction in waist circumference and reduced rates of smoking, respectively<sup>9,10,11,12</sup>. •In previous studies, albeit quite different in nature, participants described increased levels of self-esteem, functional health
- status, and lower levels of stress, and changes in stress management skills were illustrated qualitatively and quantitatively. •Therefore, MI-via-CALC seemed to be an appropriate approach to utilize for this pilot study.



Conclusion: MI-via-CALC is a promising approach for university students struggling with stress and additional research on a larger sample is warranted.









**Co-Active Relationship** 

#### **FINDINGS**

# Qualitative

## Pre-Intervention:

- •Themes: above normal stress levels, health issues, worry, lack of balance, procrastination, and a longing for increased self-awareness and coping skills. Mid-Intervention & Post-Intervention:
- •Same themes arose at mid- and post-intervention: decreased & more manageable levels of stress, seeing stress from different perspectives, increased self-awareness, self-reliance, and positive experiences with the coaching sessions.

### Quantitative

- •PSS: Pre-intervention (M = 25.21, SD = 5.69), Mid-intervention (M = 16.92, SD
- = 5.57), Post-intervention (M = 15.92, SD = 7.19).
- •HADS Anxiety: Pre-intervention (M = 12.04, SD = 2.99), Mid-intervention (M = 12.04) 9.20, SD = 3.12, Post-intervention (M = 7.79, SD = 3.87).
- •HADS Depression: Pre-intervention (M = 6.54, SD = 3.52), Mid-intervention (M = 6.54) = 4.87, SD = 2.43), Post-intervention (M = 3.70, SD = 2.78).
- •Statistically significant differences were found on all scales from preintervention to mid-intervention, and from pre-intervention to post-intervention
- •PSS: [F(2, 46) = 28.49, p < .05], HADS Anxiety: [F(2, 46) = 16.09, p < .05], HADS Depression: [F(2, 46) = 9.30, p < .05]
- •Statistically significant differences not found from mid- to post-intervention, on all scales.







#### STUDY LIMITATIONS

- No control group possible due to ethical considerations; next study should use comparison group.
- 13 certified coaches may have introduced variability of approach.
- 20% attrition rate (n = 6) may have resulted from random coachparticipant matching, or participants not ready to make change, or unsurprising given study required one more task in stressed students' lives.

# CONCLUSION

- •Follow-up assessments planned at 4-months post-intervention.
- •At this point, it seems MI-via-CALC is a promising approach for university students struggling with stress and additional research on a larger sample is warranted.

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