

# Application of WILD 5, a Wellness Intervention at Beloit College, Wisconsin Student Population

Tara M. Girard, RN, BSN; Christina Klawitter, PhD; Rachel A. Bergstrom, PhD; Sylvia Lopez, PhD; Jennifer Santos Esperanza, PhD; Rongal Nikora, PhD; Charles Raison, MD; Rakesh Jain, MD, MPH; Saundra Jain, MA, PsyD, LPC

WILD 5 Wellness ™
Wellness Interventions for Life's Demands

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### Introduction

<u>OBJECTIVE</u>: To examine the benefits derived from a multipronged wellness intervention in students attending Beloit College, Wisconsin.

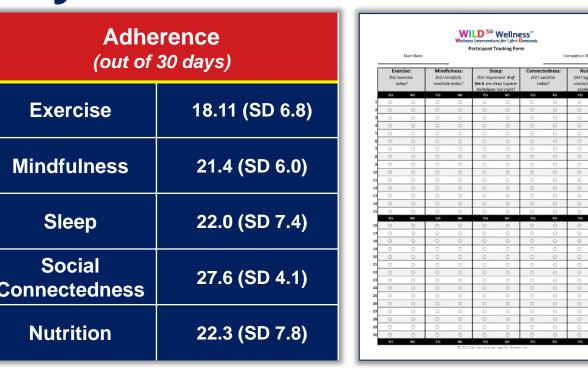
METHOD: 41 Beloit College students in Wisconsin enrolled in the WILD 5 Wellness Program, a 30-day wellness intervention that consists of daily activities focusing on exercise, mindfulness, sleep hygiene, improved social connectedness, and improved nutrition. Students completed multiple scales before the study started and at the end of the 30 days. After receiving an orientation session at the beginning of the program and having their questions answered, they started the wellness program. Students received daily motivational emails each of the 30 days. If they had any questions throughout the study, they were encouraged to contact the principal investigator of the study. The pre- and post-data were analyzed utilizing StatPlus, a statistical analysis software.

RESULTS: A total of 41 participants submitted both pre- and post-scores for data analysis. The mean age was 20.2 (range 18-25), with a M:F ratio of 18:23. The WHO-5 Wellbeing Index (WHO-5), an internationally accepted scale for the measurement of wellness (5-item scale; scores range from 0 to 25; higher score denotes improvement) had a baseline score of 12.4, which after the 30day WILD 5 Wellness Program improved to a score of 15.0, demonstrating a mean improvement of 20% (p=0.02). The newly developed HERO Wellness Scale, a measure of mental wellness (5item scale; scores range from 0 to 50; higher score denotes improvement) improved from a baseline of 26.1 to 31.2 at the end of this 30-day wellness intervention, demonstrating a mean improvement of 19% (p=0.04). Other measures of wellness revealed the following changes (scores range from 0 to 10): Happiness improvement (5.4 to 6.3, p=0.06, 16% improvement); Enthusiasm (4.8 to 6.0, p=0.01, 25% improvement), Resilience (5.5 to 6.3, p=0.1, 14% improvement); and Optimism (5.4 to 6.1, p=0.1, 12% improvement). Cognitive measures also revealed positive changes. The Cognitive and Physical Functioning Questionnaire (CPFQ), a wellaccepted instrument assessing cognitive and physical functioning (7-item scale; scores range from 7 to 42; lower score denotes improvement), improved from a baseline of 18.3 to 16.1 (p=0.01) with a mean improvement of 12%.

Several secondary scales were utilized to track mental illness symptoms. The Physical Health Questionnaire (PHQ-9), a measure of depression severity (9-item scale; scores range from 0 to 27; lower score denotes improvement), revealed fewer depressive symptoms at the end of this program (pre-score 7.1; post-score 5.6, p= 0.1, a 21% improvement). The Generalized Anxiety Disorder-7 (GAD-7) scale, a measure of anxiety (7-item scale; scores range from 0 to 21; lower score denotes improvement) revealed a pre-score of 8.2 and a post-score of 6.6 (p=0.2), with a mean improvement of 19%. Assessment for disability utilized The Sheehan Disability Scale (SDS), an assessment for disability (3-item scale; scores range from 0 to 30; lower score denotes improvement), which revealed less disability at the end of this 30-day wellness intervention (pre-score 6.2; post-score 4.9, p=0.3, a 20% improvement).

### **30-Day Intervention**

WILD 5 Wellness: A 30-Day Intervention  Program Expectations  Exercise Direction 30 minutes each day for 30 days, aim for a moderate intensity*  Mindfulness Practice mindfulness 10- to 15-minutes each day for 30 days.
moderate intensity*
Minefulness Reading mindfulness 10. In 15 minutes with day for 20 de-
reactice minorumess to- to 13-minutes each day for 30 day
Implement 4 or more of the 6 sleep hygiene practices each 30 clays:
Social Connectedness Meet, call, or text at least two family members or friends as for 30 days
Nutrition Log your daily meals, snacks, beverages, and alcohol each of 30 days <sup>444</sup>
HERO Complete the HERO exercises (2 questions) each day for 30



## Results



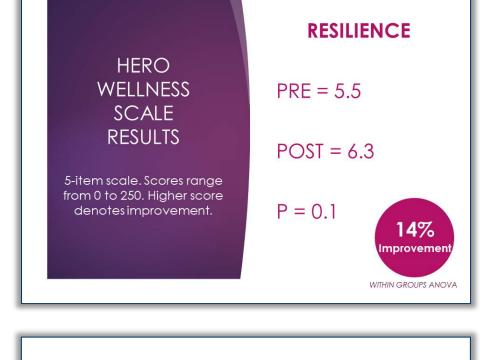


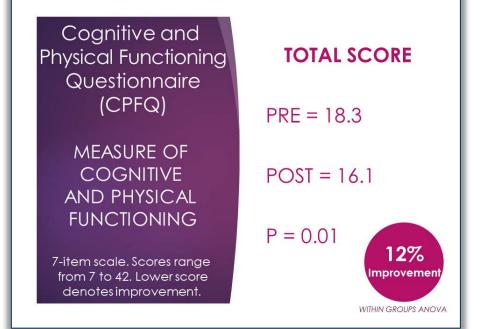






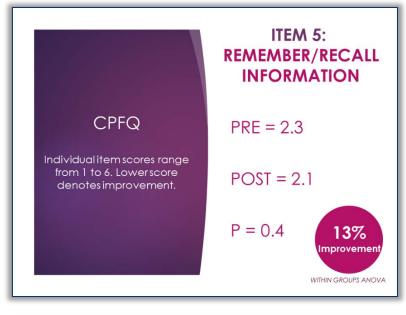




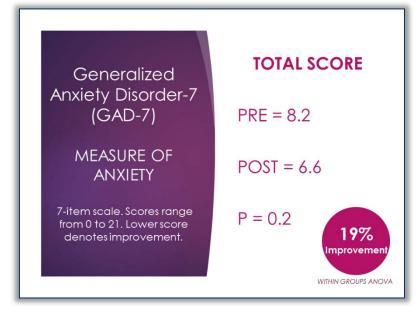




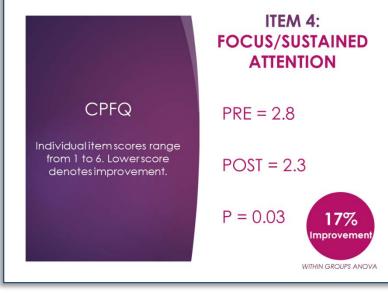




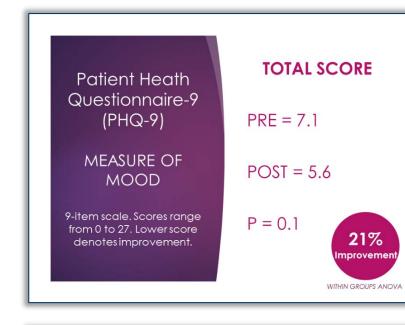


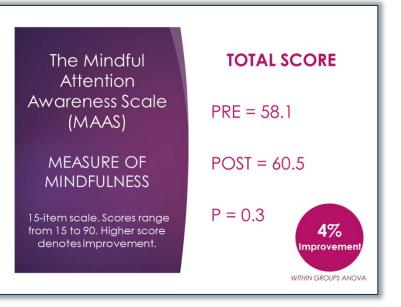


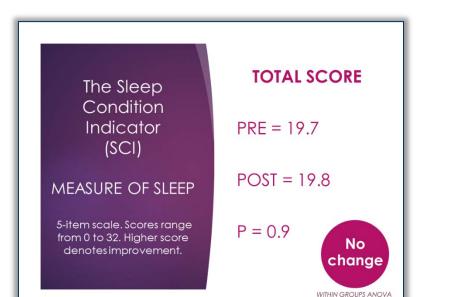


















**ADHERENCE** 

**EXERCISE** 

20.1 (SD 9.3)

**MINDFULNESS** 

9.8 (SD 10.3)

16.9 (SD 10.2)

OCIAL CONNECTEDNES

NUTRITION

12.9 (SD 11.0)

**HERO ELEMENTS** 

11.2 (SD 10.7)

### Conclusions

The WILD 5 Wellness Program, a 30-day integrated, prescriptive, and trackable wellness intervention in this college student population, was effective in improving mental wellness. In addition, improvement in symptoms of depression and anxiety were noted. College students generally experience high levels of stress and are at high risk for mental illness symptoms. College and university student counselors and educators should consider offering integrated wellness interventions to college students to both improve mental wellness and alleviate mental illness symptoms.

#### **Affiliations**

Tara M. Girard, RN, BSN, Beloit College, Director, Health and Wellness Center; Christina Klawitter, PhD, Beloit College, Dean of Students; Rachel A. Bergstrom, PhD, Beloit College, Assistant Professor of Biology; Sylvia Lopez, PhD, Beloit College, Harry C. Moore Professor of Modern Languages and Literatures, Latin American & Caribbean Studies Minor Chair; Jennifer Santos Esperanza, PhD, Beloit College, Associate Professor, Department of Anthropology; Rongal Nikora, PhD, Beloit College, Assistant Professor for Political Science and Health and Society; Chuck Raison, MD, University of Wisconsin-Madison, Professor, Department of Psychiatry; Rakesh Jain, MD, MPH Texas Tech University School of Medicine, Clinical Professor, Department of Psychiatry; Saundra Vain, MA, PsyD, LPC, Adjunct Clinical Affiliate, School of Nursing, University of Texas at Austin.