Internet Interventions for the Workplace: Results of Randomized Trials of Three Web-Based Multimedia Health Programs

Royer Cook, Ph.D.
ISA Group
Alexandria, VA
USA

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About the Programs

❖ Media-rich

 Built for the broadband environment – fully audio-narrated, with video and dynamic graphics throughout

Science-based

 Constructed by ISA health scientists and consultants to assure that content is accurate and scientifically sound

Empirically tested

 Tested in rigorous National Institutes of Health supported studies that provide evidence of effectiveness

Empower the user by:

- Providing skills and tools applicable to the demands of the situation
- Infusing the user with the confidence to utilize those skills

About the Programs

Health Connection

Addresses the three areas of health behavior that can have the greatest impact on disease prevention: stress, physical activity, and nutrition/weight management

Stress and Mood Management

Focuses on stress and stress management as well as the prevention and early intervention of depression and anxiety

Smart Rx

Provides guidance on the **safe use of psychotropic medications** for working women

Health Connection

- Includes three programs
 - Stress Management
 - Food Smart
 - Active Lifestyle

Health Connection - Stress Management

- Multi-media program designed to help users recognize the symptoms and sources of stress in their life, and to provide a wide variety of powerful tools for managing stress.
- Fully narrated and includes self assessments, video testimonials, animation, and multimedia graphics. The program is designed to help users build resiliency and develop techniques to address the strains and stresses of everyday life.
- Program components:
 - Understanding the nature of stress and the stress response
 - Assess your stress and learn to pinpoint your sources of stress
 - Learn to avoid negative choices and use positive coping strategies your personal "Toolbox" for managing stress.
 - See and hear from people who have successfully managed stress and changed their lives for the better

Health Connection Stress Management – Screen Shots



Health Connection - Food Smart

- Designed to enable users to analyze their eating habits, formulate an improved dietary plan, and engage in effective strategies for healthy weight management.
- Purpose of this program is to assist the user to achieve optimal weight and nutrition, thereby managing weight -- and reducing the risk of major disease, including cancer, cardiovascular disease, and diabetes.

Program components:

- Interactive exercises to help analyze current eating practices and choose new, more healthful practices
- Learn about the Harvard Healthy Eating Pyramid a new guide to making smart food choices
- See and hear though video testimonials from people who have successfully lost weight – and maintained a healthy weight
- Strategies for food shopping, meal planning, and overcoming challenges

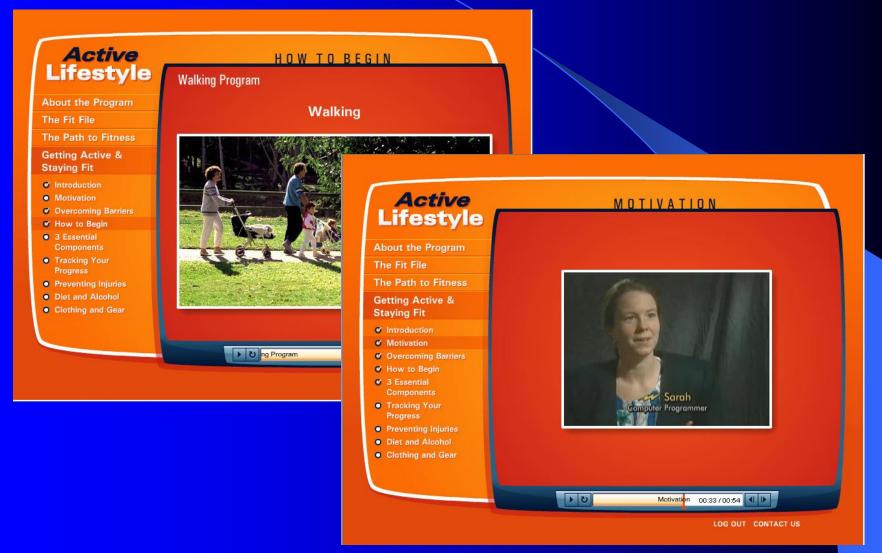
Health Connection Food Smart – Screen Shots



Health Connection – Active Lifestyle

- Contains comprehensive information on the benefits of physical activity, and provides realistic strategies for achieving lasting improvements in physical activity, with special strategies for those who are currently inactive.
- Designed to help users get on the path toward increased activity and better health.
- Uses video testimonials from people who have made positive changes and interactive tools on energy expenditure, calories and weight to provide an enjoyable and meaningful experience.
- Program components:
 - Information on the relationship between fitness and disease prevention
 - Motivational segments with "real people" discussing the rewards of regular exercise and offering tips for overcoming obstacles
 - An interactive exercise showing the relationship between calories expended, calories consumed and weight
 - Guidelines for staged goal-setting and selecting appropriate activities

Health Connection Active Lifestyle - Screen Shots



Health Connection Results of a Randomized Trial

- * 419 employees, randomly assigned to Print or Web conditions, assessed on self-reports at pretest and posttest
- Web group improved significantly more than Print group on several dietary measures
- No significant differences between Web and Print on measures of stress or physical activity – both groups showed significant improvements

Stress and Mood Management

- Designed to help build resiliency and skills to tackle the strains and stresses of everyday life.
- Provides self-assessment tools to gauge levels of stress, anxiety or depression, and includes information on the body's response to stress and the physiology associated with depression and anxiety.
- Addresses the dangers of self-medication though alcohol and drugs and provides information on treatments that work
- Program components:
 - Assessments of stress, depression and anxiety
 - Tools and strategies for managing stress
 - Real people describing their stresses and coping strategies

Stress and Mood Management - Screen Shots



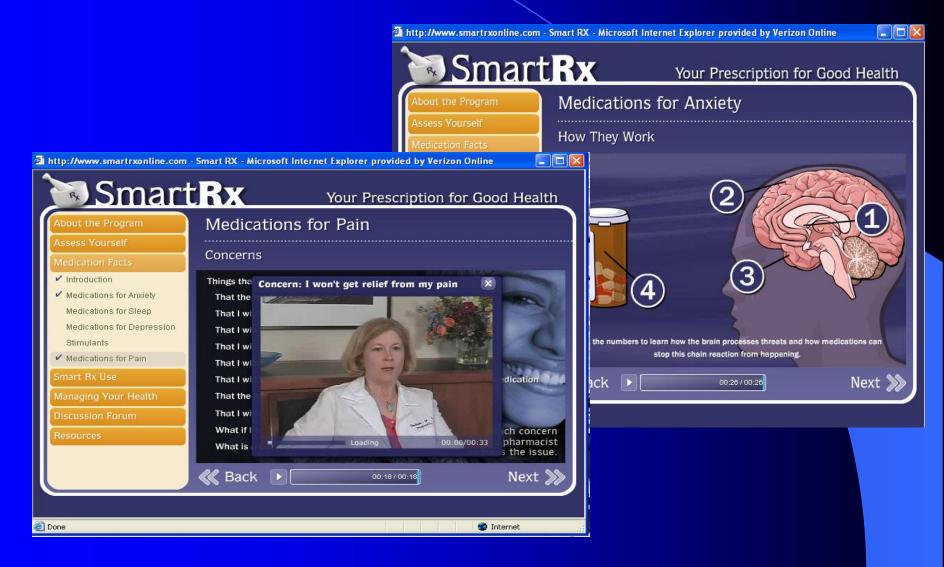
Stress and Mood Management Results from a Randomized Trial

- 309 working adults randomly assigned to Web condition or a wait-list control, assessed on self-reports at pretest and posttest
- Relative to controls, Web group:
 - Reduced their stress
 - Increased knowledge of depression and anxiety
 - Improved on binge drinking stage of change
 - Improved attitude toward seeking professional help

Smart Rx

- Designed to provide working women with guidance on psychotropic medications
- Contains self assessments of drug use
- Presents facts about major types of psychotropic medications
- Provides guidance on how to manage the medications
- Presents alternative strategies to medications

Smart Rx - Screen Shots



Smart Rx Results of a Randomized Trial

- 346 working women randomly assigned to Web condition or wait-list control, assessed on self-reports at pretest and posttest
- Relative to controls, Web group:
 - Increased their confidence to manage use and adhere to use as prescribed
 - Reported lower levels of drug problems (CAGE score)
 - Increased their knowledge of proper use of psychotropic prescription drugs

Summary & Implications

- ➤ Multi-media web-based programs can achieve improvements in worker diet, stress, and substance use
- ➤ Web-based programs addressing these health topics show considerable promise for improving the physical and mental health of the workforce
- > Many important questions remain:
 - ➤ How can utilization be increased?
 - > Are program effects lasting?
 - What is the role of personal contact (email, phone)?
 - ➤ What is the role of specific program characteristics tailoring, media (audio/video), interactive devices, etc.?

For more information on the programs and the studies:

> Contact:

Royer Cook, Ph.D rcook@isagroup.com

> Visit our websites:

www.centerforworkforcehealth.com www.isagroup.com