

WALK FOR WELLNESS: A PEDOMETER WALKING PROGRAM FOR UNIVERSITY EMPLOYEES

VALKFOR

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INTRODUCTION

Background & Significance

- Forty-eight percent of Americans do not meet the recommended physical activity guidelines of 10,000 steps per day¹
- Physical inactivity is associated with numerous chronic illnesses²
- Health benefits can be achieved with thirty minutes a day of moderate physical activity (e.g., walking)³
- The highest rate of physical inactivity occurs in the workplace, which is an ideal setting to influence health behaviors⁴
- Literature supports the efficacy of a pedometer-based walking intervention as a method to increase daily step counts of adults:
- Individual & Team Goal-Setting^{4,5}
- Goal-Setting & Cognitive and Behavioral Support Materials^{6,7}

Purpose

Evaluate a 6-week pedometer walking program to increase daily steps of university employees

OUTCOMES

- Number of participants who increased daily step counts by 20% over baseline
- 2. Program completion rate
- Program elements with which participants were satisfied or dissatisfied
- Barriers to attendance
- Feasibility and cost of initiating a walking program

METHODS

Setting

- Rural, private Midwestern University
- 200 employees

Inclusion Criteria

- Current University employees
- Read English
- Ambulatory without assistance

Design

Pretest-Posttest, Convenience Sample

Participant Demographics Gender **Education Level** Age

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WALK FOR WELLNESS INTERVENTION

6-Week intervention Mid-September to the end of October 2016 Based on a modified version of the Walk This Way! Toolkit⁸

Week 1

- Self-monitoring using an accelerometer or pedometer
- Goal-setting
- Establishing baseline
- 1-mile walking path

Weeks 2-6

- Weekly emails "Motivation Monday", "Walking Wednesday", "Fun Facts Friday"
 - Benefits and fun facts about walking
 - Best practices for safe and effective walking exercise
 - Ways to step up walking routines for those already active
 - Ways to incorporate walking into daily routine
- Ways to stay engaged and motivated, including walking groups
- Social Media: Walk4Wellness
 - Facebook
 - **Twitter**
 - Instagram
 - #StepItUp #Walk4Wellness
- Weekly challenges
 - Individual and group
 - Incentives, gift cards, recognition, traveling tennis shoe trophy



Walk for Wellness Kick-Off Event



WALK FOR

WELLNESS

September 19-25

Walk for Wellness **Grand Prize Winner**

RESULTS

Mean increase in daily steps from baseline to 6 weeks: 39%

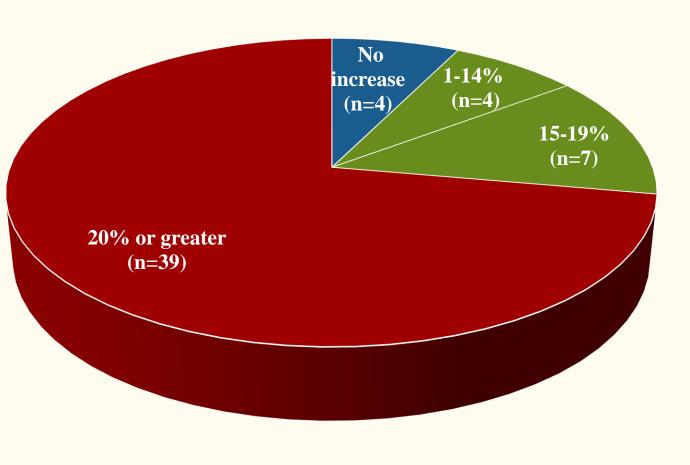
- Completion rate: 96.4% (54 of 56) completed the 6-week intervention
- Barriers to attendance: Broken pedometer and lack of time
- Cost: \$146 per participant

Walking Group Winners

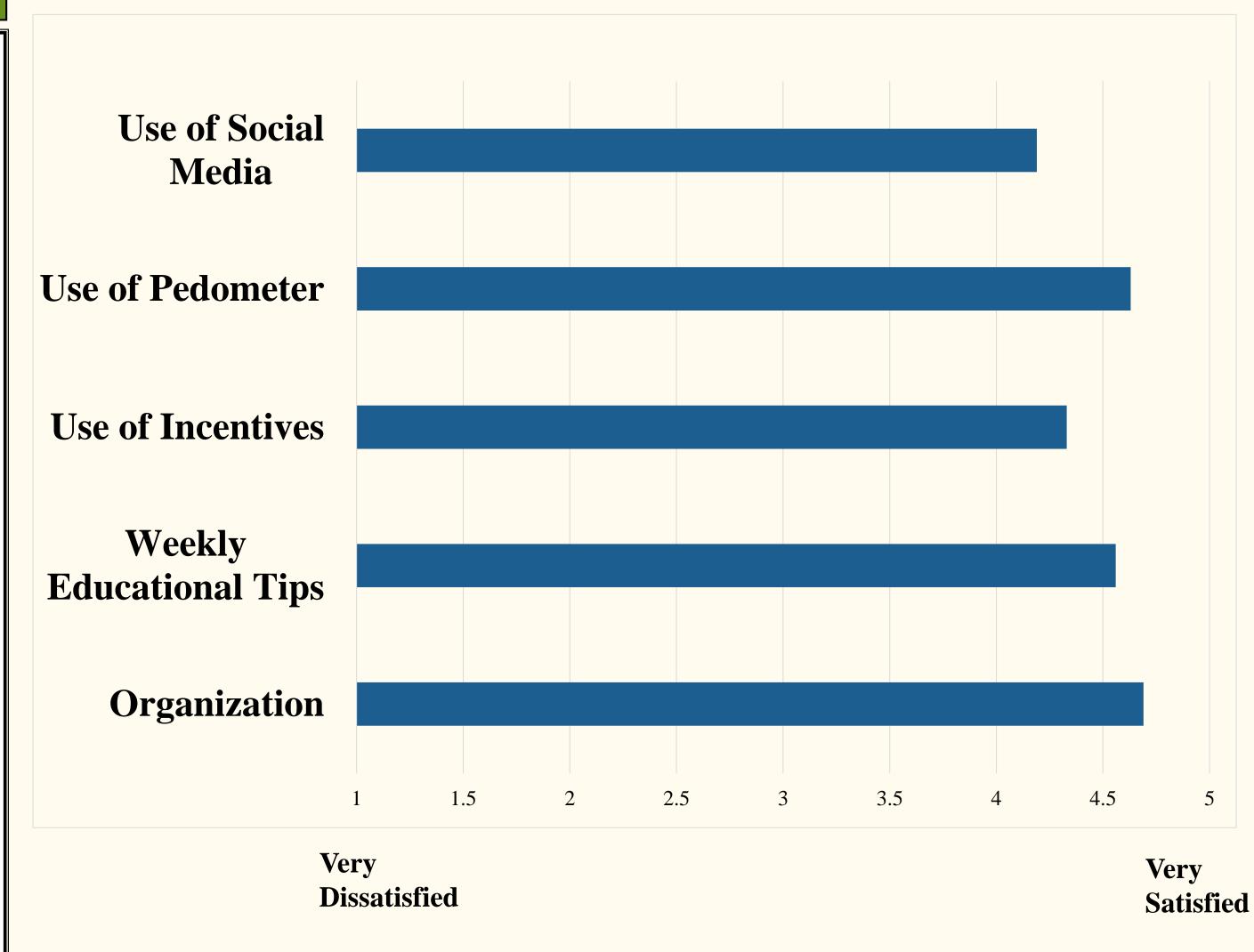
Perception of University Community & Connectedness: (Scale range = 1-5) Pre-program 2.98, post-program 3.49 (p = .012)

Mean Step Change for Group (n=24) vs. Non-Group (n=30) Walking **2500** *p = .612400 2300 2200 2100 2000 Group Group Walking

Increase Over Baseline



Program Elements



CONCLUSIONS

- Results support the feasibility and potential effectiveness of the Walk for Wellness pedometer-based intervention to increase daily steps
- An accelerometer or pedometer provided a tangible means of measuring physical activity and providing motivation to increase activity
- High level of employee interest, along with the high level of program completion demonstrates employees are interested in wellness
- Program fostered a sense of community and connectedness
- Results may not be generalized to other workplaces as participants were not a representative sample of the general population

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