

OBJECTIVE AND RATIONALE

Objective: To assess the association between descriptive social norms for weight and weight-related behaviors and associated behaviors at the worksite

Background and Rationale:

- Obesity and weight gain clusters in social networks
- However, little is known about the psychosocial mechanisms by which this happens
- Social norms are defined as: “How the majority of individuals in a group think or behave; group standards and values for a particular behavior”
 - Descriptive social norms, defined as “perceptions of the occurrence or frequency of the health-related behavior in a population” may be of particular importance for obesity-related behaviors
- Few studies have examined the association of social norms with dietary and physical activity behaviors in adults
- No study has examined social norms for weight-loss specific behaviors
- Most adults under the age of 65 spend significant amounts of time at work. Thus, the worksite social norms can influence an individual’s behavior

METHODS

Design and Sample:

- Baseline data from site-randomized trial of a worksite ecological intervention for weight control
- 12 public high schools in central Massachusetts
- Sample of 844 employees enrolled (~ 2/3 of all employees)

Worksite Weight-Related Social Norms (WWSN) Survey:

Developed by study team to assess descriptive social norms at the worksite for weight loss behaviors, physical activity and eating. Asks respondents to rate “Most people I work with.....” on a 5 point scale. Psychometric testing using principal component analysis. Cronbach’s alpha of final scores were:

- Weight loss descriptive social norms (4 items): .78
- Physical activity descriptive social norms(10 items): .83
- Eating behavior descriptive social norms (7 items): .83

Behaviors:

Weight Loss Attempts: Single item re: whether currently trying to loss weight (yes/no)

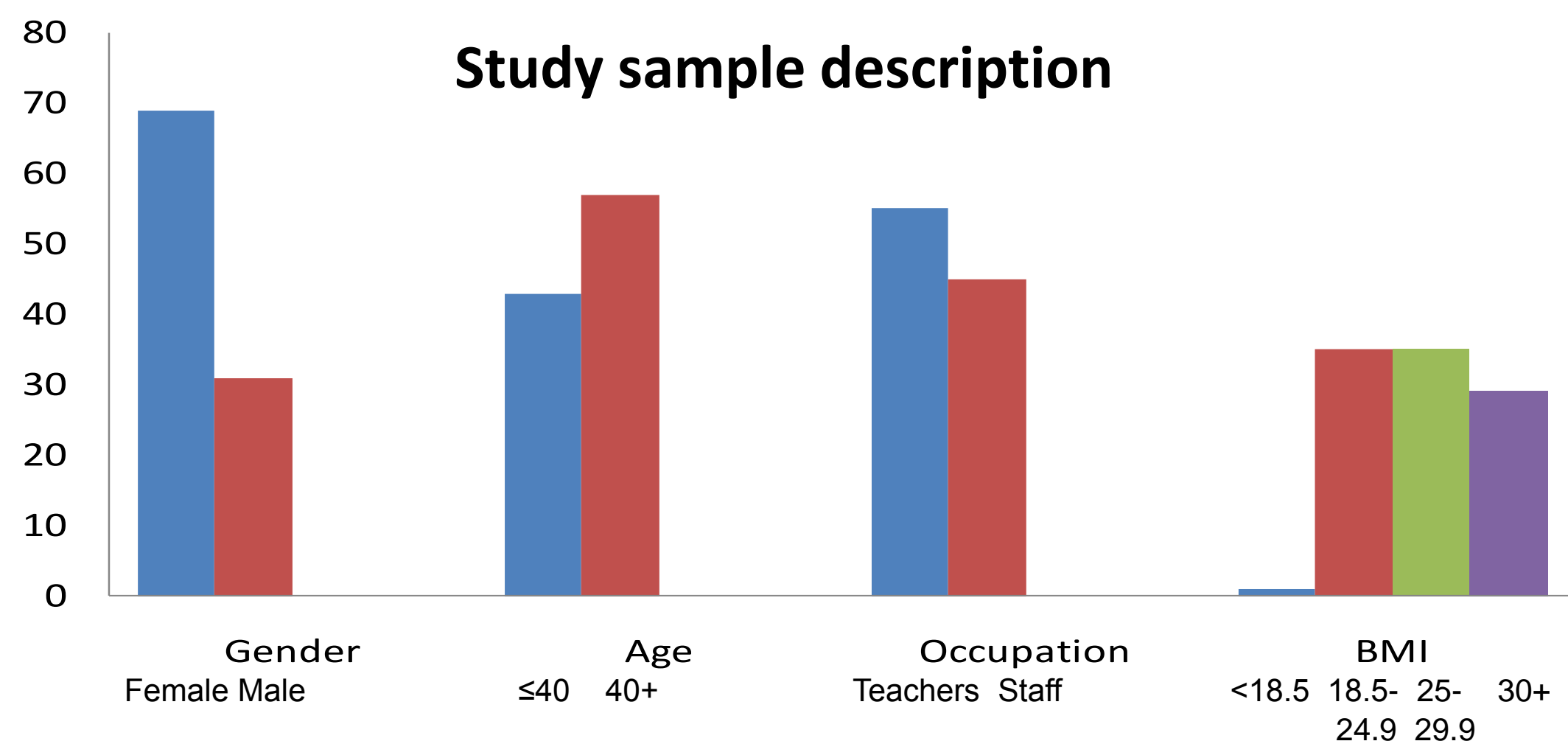
Walking: Arizona Physical Activity Questionnaire sub-scale (MET hours per day)

Eating Behaviors: 26-item Eating Behaviors Inventory (EBI)

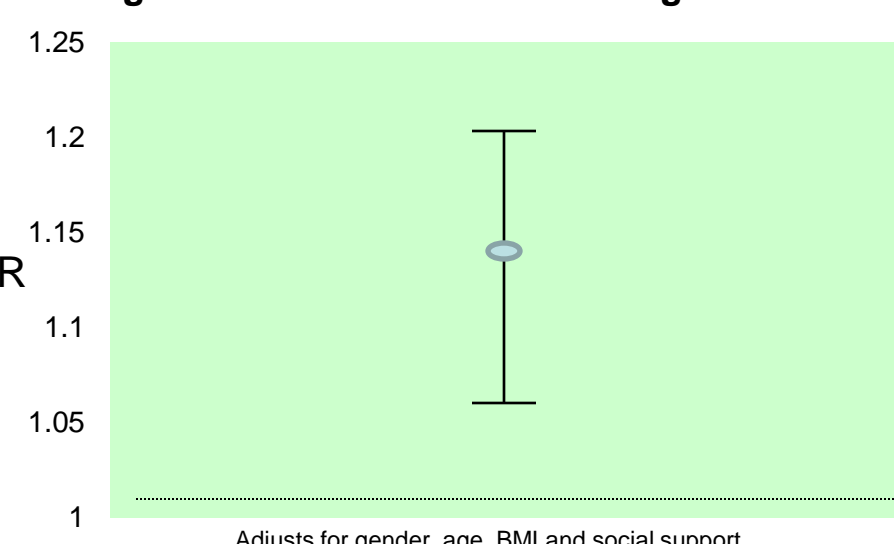
Co-variates: Age, gender, BMI diet and physical social support at the worksite

Analysis: Multivariate linear (walking and EBI) and logistic (weight loss attempts) regression models

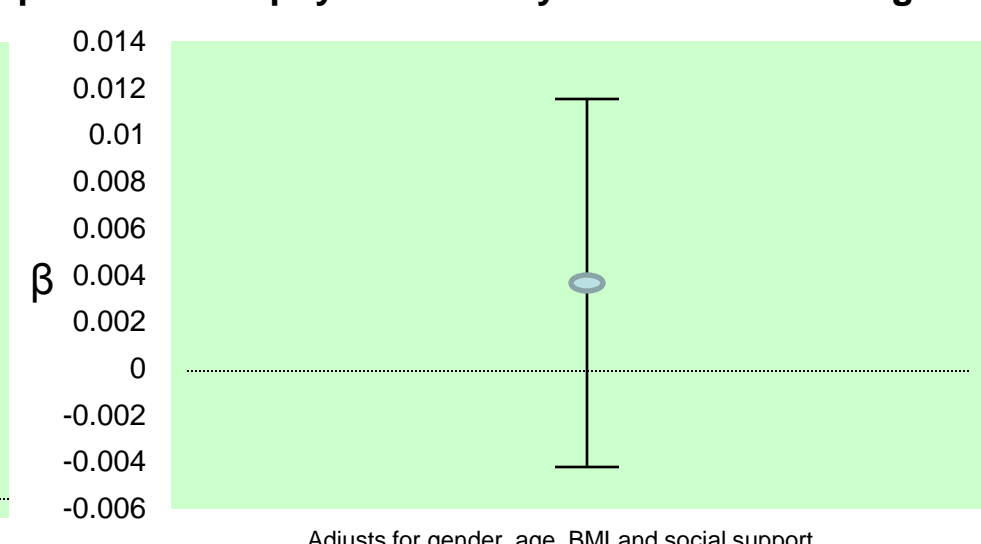
RESULTS



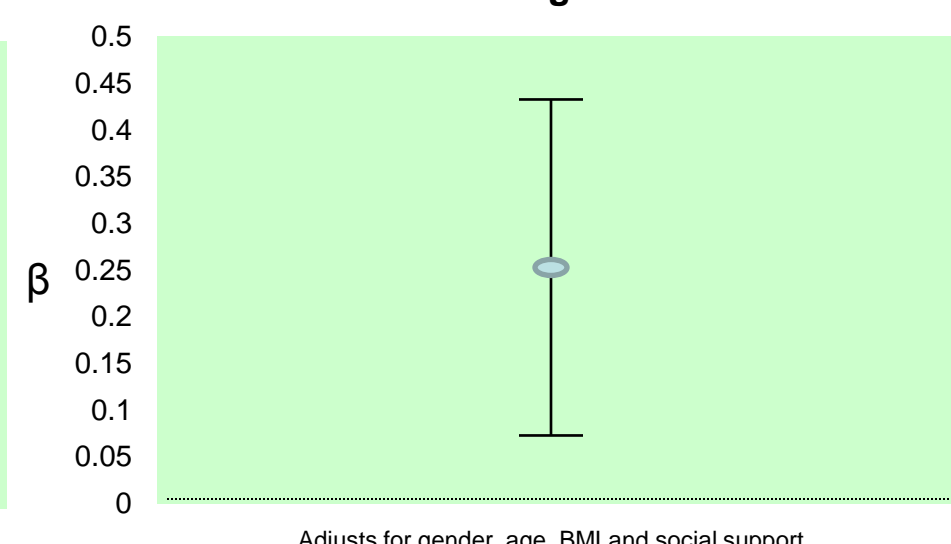
Multivariate logistic regression model: Association of weight loss social norms with weight loss attempt



Multivariate linear regression model: Association of physical activity norms with walking



Multivariate linear regression: Association of eating norms with the EBI



LIMITATIONS AND CONCLUSIONS

Limitations: 1) Causality can’t be assessed; 2) Social desirability bias; 3) Limited generalizability

Conclusions:

- Associations of weight loss and eating social norms with behavior
 - Unique from social support
- No association of physical activity social norms with physical activity
 - May be little opportunity for and therefore little exposure to physical activity during the workday
- Results support the development of weight loss interventions that address social norms for weight loss and eating behaviors at work

ACKNOWLEDGEMENT

This work is funded by the National Cancer Institute grant # R01CA132941.