# Eat Smart, Move More, Weigh Less: A Community-Based Weight Management Program for Adults

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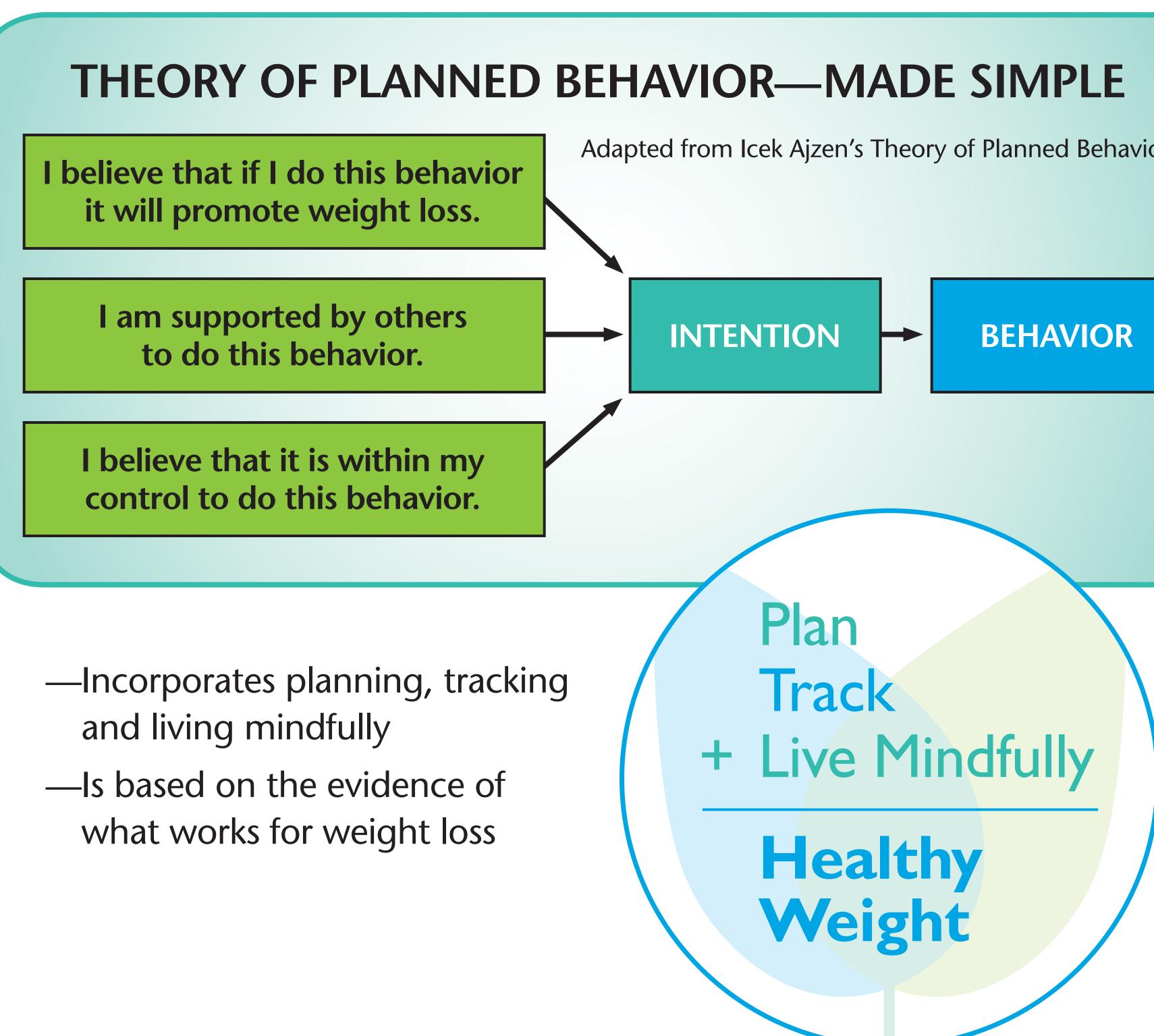
#### INTRODUCTION

Obesity is now widely recognized as one of the most pressing public health challenges in the United States. *Eat Smart, Move More NC* is a statewide movement that promotes increased opportunities for healthy eating and physical activity wherever people live, learn, earn, play and pray. The Eat Smart, Move More, Weigh Less curriculum supports this movement with group education and social support.

## Eat Smart Move More Weigh Less

#### **Curriculum Development**

- A multidisciplinary development team reviewed the scientific literature and identified strategies proven to be effective for weight loss and weight management. The team developed lesson plans based on these strategies
- The curriculum was reviewed by local, state and national experts and revised
- The curriculum:
- —Is based on the Theory of Planned Behavior



#### Dissemination

- In fall 2007, the development team conducted training for 200 Family & Consumer Science Agents from Cooperative Extension and health department Health Promotion Coordinators (health educators) representing 85 of NC's 100 counties.
- Training components:
- —Curriculum content, including the theory of planned behavior
- —The evidence for what works for weight loss
- —Basics in medical and surgical obesity management, as well as an overview of popular supplements
- —Strategies for successfully marketing and operating weight management programs
- In January 2008, classes launched in 38 counties.
- Classes were held primarily in worksites, with some held in schools, churches and other community settings.
- Average cost to participants was \$20, ranging from \$5 to \$75.

#### **Evaluation Methods**

- Each participant completed anthropometric measures at the first class including:
- —Blood pressure
- —Height, weight (BMI calculated)
- Each participant completed a survey during the last class to report behavior change and provide feedback on the curriculum.
- Each participant completed post-curriculum anthropometric measurements.
- Each instructor completed a survey to provide feedback on the curriculum.

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#### Lessons and Key Messages

LESSON	CORE CONCEPT		
Introduction	Weight Loss Readiness; Plan, Track & Live Mindfully		
Make Your Commitment	Setting realistic goals		
<b>Re-Think Your Drink</b>	The role of calorie containing beverages in weight loss and strategies for managing beverage calorie intake		
Eat Fewer Calories	Use of lower calorie food preparation techniques		
Move More	The role of regular physical activity in weight management		
Check the Facts	Label reading		
Enjoy More Vegetables	Vegetables as a strategy for limiting calorie intake		
<b>Right-Size Your Portions</b>	The role of portion sizes in weight management and strategies for portion control		
Plan, Shop, Fix and Eat	The role of home cooked meals in managing weight and strategies for preparing and eating more meals from home		
Eat Less Fast Food	The role of fast food in unhealthy weights and strategies for managing fast food intake		
Move Strong	The role that strength training plays in weight management		
Enjoy More Fruit	The role fruit plays in controlling calorie intake		
Start Smart	The role breakfast plays in managing weight		
Move Forward	The role of progressively more exercise in weight loss and weight maintenance		
Keep Your Commitment	Setting realistic goals to maintain weight loss and planning for special occasions		
Eat Out Less	The role that meals away from home play in unhealthy weight and strategies for eating at home more often		
Tame the Tube	The role that television—and other screens—play in weight management and strategies for controlling screen time		
Pack Smart Lunches	How to plan and pack healthy, low-calorie lunches		
Enjoy More Whole Grains	The role that whole grains play in weight management and strategies for eating more		

### Participant Demographics<sup>1</sup>

- 821 participants from 38 NC counties
- Average age: 51 years
- 22.5% African American; 1.2% Hispanic/Latino; 66.3% White; 10% Other
- 86.1% female; 9% male

#### **Results<sup>2</sup>**

- Overall weight loss for the cohort averaged 7 pounds (p <.0001), representing a 3.6% decrease in body weight — mean 192# pre; 185# post
- 85.7% of participants improved BMI — mean 32.4 pre; 31.1 post; n=647
- 77.4% reduced waist circumference
- mean 40.2" pre; 38.6" post; n=681
- 58.5% lowered both systolic and diastolic blood pressure — mean systolic 128 pre; 124 post; mean diastolic 79 pre; 77 post; n=289
- Most reported improving dietary habits — 86.7% report eating fewer calories; 88.1% reduced portions
- Fewer participants reported increasing physical activity beyond 30 minutes per day
- 40.3% reported being active more than 30 minutes per day, while 49.5% reported adding strength training
- 91.7% of participants were more mindful of what and how much they eat

Behavior	% Yes	% Already Doing This	% No
Active more than 30 minutes per day	40.3	14.2	45.3
Include strength training	49.5	11.4	39.0
Eat fewer calories	86.7	6.6	6.6
Eat smaller portions	88.1	6.8	5.1
Am more mindful of what I eat	91.7	7.1	1.1

#### CONCLUSIONS

- The curriculum appears to be successful in aiding modest weight loss.
- Participants were more successful at changing dietary behaviors and becoming mindful of eating behaviors; they were less successful with achieving more aggressive exercise recommendations.
- Initial feedback was very positive from both participants and instructors.
- The content can be covered in 15 classes, rather than 19, by collapsing some topics.
- This delivery model appears to meet a need in the community for low-cost weight management offered in non-health care settings.