

Does Exercise Help or Hurt Weight Loss Progress?

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Director of Nutrition Education

- PhD Nutrition with a concentration in Exercise Science
- Registered Dietitian
- Quit University position to follow this crazy dream :)

 CrossFitter, runner, yogi

 Mother of 2

- Passionate about health, nutrition and fitness







WHO WE ARE

Introduction to Stronger U

Nutrition coaching company

Started by Founder and CEO Mike Doehla in April 2015

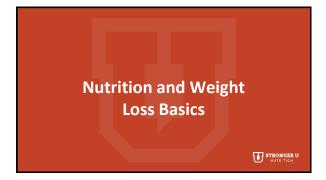
Served ~40,000 members in ~ 50 cour

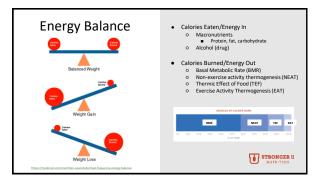
Questions We'll Answer

- Do you have to exercise to lose weight?
- Can exercise make weight loss more challenging
- Do I get to eat more if I exercise?
- What about the long-term effects will exercise help me maintain my weight loss?
 What exercise should I do?

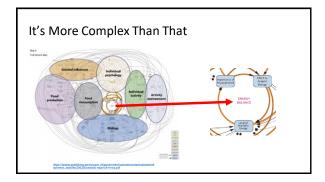














How Can Exercise Benefit Weight Loss?

- Energy expenditure/Calories burned
- Muscle mass increase/reduced loss
- Stress reduction/mental health



Energy Expenditure from Exercise • Exercise burns calories • Increasing NEAT may have a bigger impact than exercise • May be able to eat a little more and still lose weight

Calories Burned in 30 MINUTES WALE CHANGE PRINTE CONTINUE OF THE PRINTE OF THE PRIN

PEffects on Muscle Mass During weight loss, you will lose both fat and fat-free mass Including resistance training exercise (and eating adequate protein), can reduce the amount of muscle loss Some people can gain muscle while losing weight Benefits - reduces impact on metabolic changes A you lose weight, you are smaller and your body needs to use less energy to sport your smaller size Maintaining muscle keeps your BMR higher

Stress Chronic stress can impact weight Changes in appetite Changes in food cravings Changes in food cravings Changes in food cravings Coping mechanisms that lead to increased energy intake and decreased energy output High Corticol levels actually breakdown both muscle and fat Inpacts recovery from exercise and performance improvements Unhealthy conjug mechanisms lead to lat gain Stress can impact sleep Impact recovery, change appetite, affect capacity to adhere to your program American Psychological Association American Psychological Association Company of the control of the cont



How can exercise "hurt" my weight loss efforts? Physiological/behavioral effects of exercise on energy expenditure Physiological effects of exercise on energy intake Ununger/hormones driving intake Psychological effects of exercise on energy intake Service of exercise on energy intake Service on energy intake Step

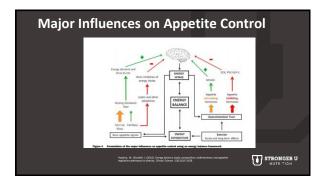
Effects of Exercise on Total Energy Expenditure Adding exercise can increasing total energy expenditure by increasing EAT, however, May reduce NEAT remainder of the day Some people may eat more May need up at least 60 minutes per day if relying on exercise alone for weight loss Best option for weight loss is a combo of exercise AND dietary changes

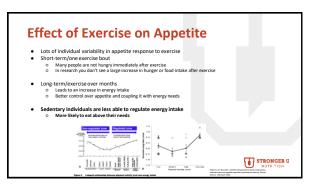


Appetite Regulation Starting (initiation) and stopping eating (satiation) and time in between eating bouts (satiety) is driven by many factors "Satiety Cascade" Pychological/dehavioral patterns, peripheral physiological/metabolic events, neural/metabolic events in the brain O Short-term regulators Gastrointestinal tract Gherlin, CCK, PYY, GLP-1 Macro Intake Protein has strongest effe Long-term regulators Body composition (fat and fat free mass) Legis... O The Legis... O

All of this can be easily overridden in our current food environment

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Psychological Effect of Exercise on Eating Behaviors Burned more calories = earned more calories? Activity tracker said I burned this much Cacuracy = off by 9-43% Actually burned 400 calories, could report 572 calories! Feelings of hunger Real or believed?

Don't always pick one over the other Not getting enough sleep Negatively improsts hunger and appetite regular to last to increased catorie insiste the next day Increases lean body mass loss and decrease fat mass loss during weight loss Part of the process of

Exercise and Long-Term
Weight Loss Maintenance

Exercise and Long-Term Weight Loss Maintenance	
Weight loss maintenance is hard but it's the ultimate goal	
Both experimental and observational research point to the	
importance of exercise	
National Weight Control Registry	
High levels of exercise >150min/week related to better weight loss	
maintenance (amount to burn ~400 calories per day)	
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The "Best" Exercise For Weight Loss

