

Jessica Bachman **Director of Nutrition Education**

- PhD Nutrition with a concentration in Exercise
 Science
- Registered Dietitian
- Quit tenured 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

Change the way the world views food!

Started by Founder and CEO Mike Doehla in April 2015

Served over 30,000 members

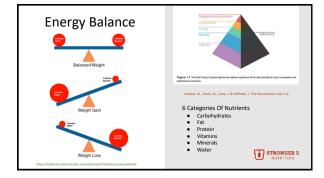
Focus for Today

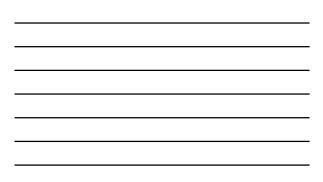
Success related to the effect of sleep and stress on overall health but specifically

- Body weight and body composition goals
- Performance goals









How Diets Work for Weight Loss			
Diet	How It Works	Why It Works	
	Track and eat a specific amount of each macro (carbs, fat, protein)	Creates a calorie deficit	
Keto Diet	Eat almost 0 carbs, high fat and moderate protein	Creates a calorie deficit	
	Eat for only a certain number of hours per day	Creates a calorie deficit	
Paleo Diet	Eat no processed food or dairy	Creates a calorie deficit	
	Eat high protein, moderate fat, low carb	Creates a calorie deficit	
Weight Watchers	Eat a certain number of "points" that represent an amount of food	Creates a calorie deficit	
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- Cognitive performance
 Ability to think clearly, form memories
- Abi
 Mood

- Mood
 or Intrability, depression, anxiety
 Physical health
 or Increased risk for
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 Independent of the state stream of the stream of the

Relationship Between Sleep and Obesity

- Steep deprivation (less than 7 hours of sleep), related to where the set more for food that can encourage you to est more Charges In hormoes that make you feel more hungry expension affects women more than more there are a set of the set of the set of the exercise is set.
 O More time a wake which means more time to eat
- ALL of which can encourage eating too many/ burning too few calories which can
- lead to weight gain NOTE Obesity increases risk for sleep

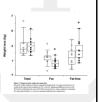


Sleep and Body Composition

- Recent study examined the effect of sleep on weight loss • 2 groups - 5.5 hours of sleep versus 8.5 hours of sleep

Same calorie intake, same exercise
 Same amount of weight loss

- However, in the 5.5 hour group
 - o LESS fat and MORE muscle loss when slept 5.5 hours More hungry
 Used more carbs then fat for energy
- Sleep may be really important in maintaining muscle when losing weight!



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The Effect of Food Intake on Sleep

- Their is very limited, if any impact on the types of foods consumed or macronutrient ratios (how much catabolydrate, protein or fat you eat) on sleep Long-term energy restriction may impact sleep slightly

 Two 'delary' (they are a schall y drugs not nutrients) components that may impact sleep are o carlient

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 Drate is sleep comes from the buildup of a noiscule called elensine brief is an elensine antigontal brief is a schedule antigontal brief is a Scheduler antigontal boardine ait are none

 Alcohol Cons one glass reduces time in deep, Rich kep Is a schedule but impacts quality of sleep

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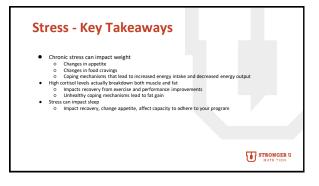




Sleep - Key Takeaways

- Not getting enough sleep
 Negatively impacts hunger and appetite regulation which can lead to increased calorie
 initiate the next day
 Negatively impacts glucose control and insulin sensitivity
 Reduced the use of fat for fuel
 Increases lean body mass loss and decrease fat mass loss during weight loss
- Very few dietary factors impact sleep in any significant way
 Alcohol and caffeine are the exceptions
 Improving sleep hylen habits are more important to improving sleep then
 making any dietary changes





What is Stress?

Stress is a "generalized, nonspecific response of the body to any factor that overwhelms, or threatens to overwhelm, the body's compensatory ability to maintain homeostasis"

Automatic response as as way to protect from threats
 In response to danger, body kicks into high gear
 Flooding the body with hormones
 Elevate hear trate
 Increase blood pressure
 Boost energy
 High alert to deal with the problem

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Stress Affects Almost All Of Us

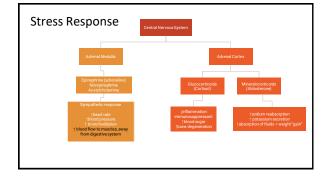
- 75% of American report experience symptoms of stress in previous month o Anxiety, depression/sadness, fatigue,
- irritability Main causes of stress

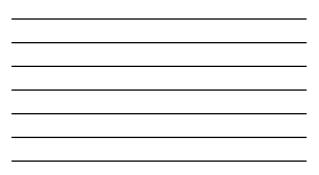
Source - Stress in America - American Psychological Association

 Money, work, the economy, family responsibilities, personal health concerns

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Appetite Responses to Acute and Chronic Stress

- In response to acute stress
 - o Epinephrine released that temporarily reduces stress to focus on the stressor $\bullet \quad \rightarrow \mathsf{rebound}, \mathsf{flood} \: \mathsf{of} \: \mathsf{relief} \: \mathsf{and} \: \mathsf{desire} \: \mathsf{to} \: \mathsf{eat}$
- In response to chronic stress
 - o Body switches to producing cortisol instead
 - Increases motivation to eat
 - Reduces inhibitory control
 - Activates brain's reward system → more cravings and positive feelings when eating highly palatable foods

Stress-Eating

- 33% of American report eating too much and/or unhealthy food in response to

- Often occurs at the end of the day when exhausted and will-power is depleted
- Recommendations
 - Home food environment



Stress and the Immune System

- Stress stimulates the immune system
 - Can be a plus for immediate situations
 Help you avoid infections and heal wounds
- But over time, stress hormones will weaken your immune system and reduce your body's response to foreign invaders
 - Chronic stress = more susceptible to viral illnesses like the flu and the common cold, as well as other infections
 Stress can also increase the time it takes you to recover from an illness or injury

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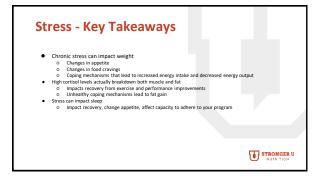
5 Steps to Stay Healthy During Times of Stress

- The American Institute of Stress recommends
 - Focus on gratitude
 - Turn off the news and social media
 Schedule time to worry

 - Practice the pause
 Focus on what you can control
- KEEP CALM AND WASH YOUR HANDS

Source: American Institute of Stress htt







Keys to Success

- Sleeping & stress reduction
- Setting realistic goals for you • May look different right now
- Consistency over perfection
- Planning/Structure
- Tracking your progress
 Scale, measurement, mirror
 Other non-scale victories
- Accountability

 Food and movement



Envision Success

- Dieting Reing jined. The facet facet
- One of the most important things you can
 do is to envision your success
 What do you want life to look like in 3
 months, 6 months, 1 year, 5 years, etc.
 Think about the life that person lives and how
 that person feets.
- You need the right attitude and effort to get there
- Stay open to learning and developing new habits and approaches to your lifestyle

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Why Stronger U Right Now?

- Accountability
- Opportunity to build new habits
 In some ways, more control over food intake
- Fresh star







 Cooking for more information?

 info@strongeru.com

 https://strongeru.com/