

#### 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

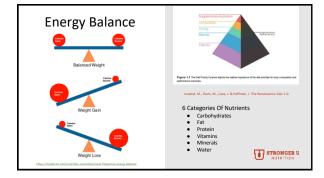
### **Focus for Today**

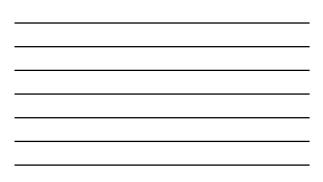
Success related to the effect of sleep and stress on overall health but specifically

- 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
   Increased risk for
   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

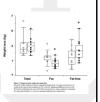


### **Sleep and Body Composition**

- 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

   Orflete

   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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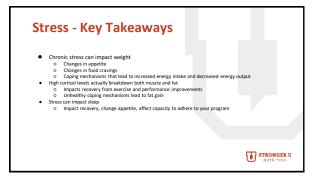




### Sleep - Key Takeaways

- 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

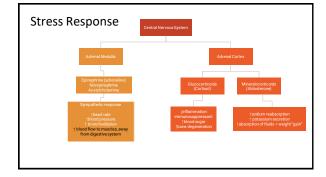
- 75% of American report experience symptoms of stress in previous month o Anxiety, depression/sadness, fatigue,
- irritability Main causes of stress

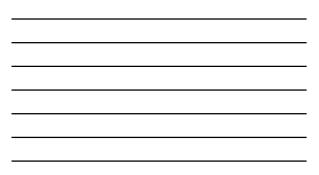
Source - Stress in America - American Psychological Association

 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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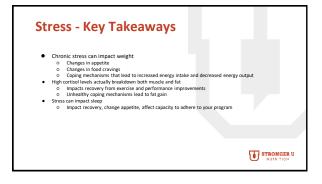
### **5 Steps to Stay Healthy During Times** of Stress

- 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/