

WHAT IS NUTRITION??

- Nutrition is a science focused on the interactions between living organisms and their food
- It includes the study of the biological processes used in consuming food and our body's ability to use the nutrients contained in food
- Nutrients are the chemical substances contained in food that are necessary to sustain life:
- ~ Provide energy (calories)
- ~ Contribute to the body's structure
- ~ Regulate and assist in the functioning of all body processes {Examples include enzymes and hormones}



ANCESTRAL NUTRITION?

Development of agriculture Grains in the diet (9,000 years ago) Chemical manipulation of foods Prepared foods & fast foods Separation from forest and farm (30-60 years ago)

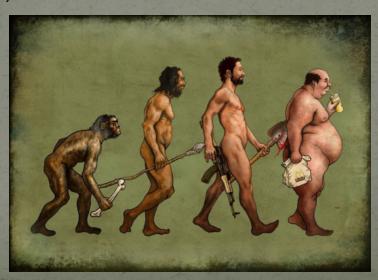
2 million years ago

Control of fire Cooking of food (1.9 million years ago) The last major evolutionary shift in humans
Ability to chase food
(180,000 years ago)

Development of modern flour (200 years ago)

Industrial agriculture Pesticides, hormones CAFOs, mechanization (40-80 years ago) Globalization Foods out of season Genetic manipulation (10-40 years ago)

Today



EVOLUTIONARY MISMATCH







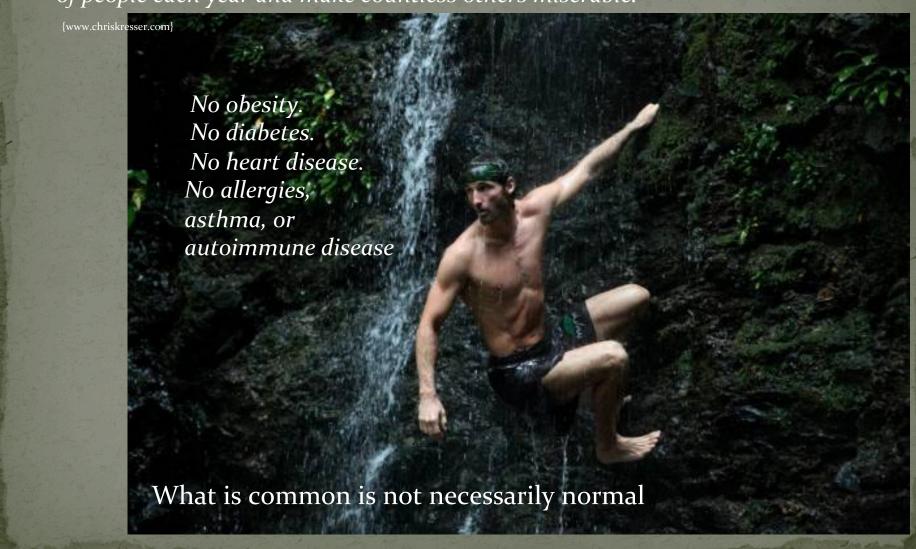


Yet ...

- Excess weight now accounts for one in three deaths among middle aged people in the US each year.
- A billion people around the world suffer from diabetes and obesity.
- 600 thousand people die of heart attacks in the US each year.
- One-third of Americans suffer from high blood pressure, which contributes to almost 800 thousand strokes every year.
- 50 million people in the US—one in six Americans—suffer from autoimmune diseases like Hashimoto's, rheumatoid arthritis, multiple sclerosis, and Crohn's disease.
- Depression is now the leading cause of disability, affecting more than 120 million people worldwide.

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Our species evolved roughly two million years ago and for 99.5 percent of that time, humans were free of the modern diseases that today kill millions of people each year and make countless others miserable.



Evolutionary/Biological Mismatch

All organisms are adapted to survive and thrive in a particular environment. And when that environment changes faster than the organism can adapt, mismatch occurs. This is a fundamental principle of evolutionary biology, and it applies to humans as much as it applies to any other

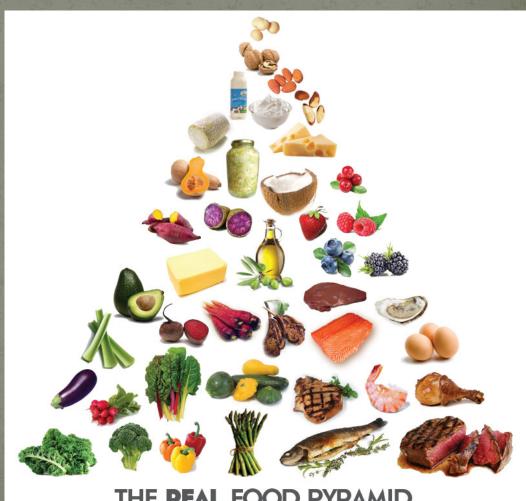
organism in nature.

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Making a Nutritional Match

- ~ Whole, Real, Food
- ~ Nutrient Density
- ~ Quality vs Quantity



EAT REAL FOOD

Avoid:

Flour Sugar Industrial Seed Oils Food Additives and Stabilizers



Embrace:

Fruits
Vegetables
Meat
Fish
Eggs
Nuts and Seeds
Herbs and Spices
Healthy Fats and Oils

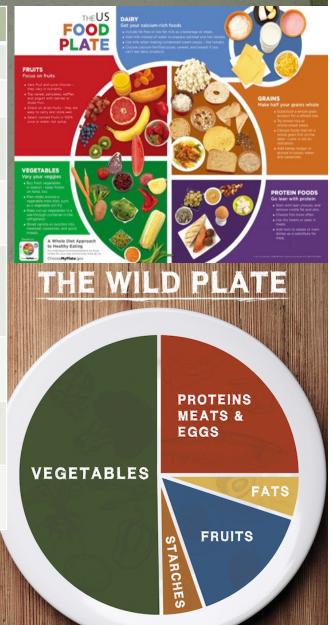


Nutrient Density + Nutrient Bioavailability

High	Medium	Low
Meat, Poultry	Whole Grains*	Refined Grains
Fish, Shellfish	Legumes*	Sugar
Eggs	Plant fats and oils**	Industrial Seed Oils
Fruits	Animal fats and oils**	Processed Foods and Snacks
Vegetables	Dairy	Sugar Sweetened Drinks
Nuts and Seeds*		Artificial Ingredients
Herbs and Spices		Alcohol
		Natural Sweeteners



** Assist with absorption of other nutrients



Quality vs Quantity









To Remember

Eat whole foods: Try to avoid the bags and boxes, read ingredients to reduce flours, sweeteners, industrial seed oils, additives and stabilizers

Focus on Nutrient Density and Bioavailability:

Meats, fish, eggs, vegetables, fruits, nuts and seeds, healthy fats
Properly prepare beans, grains, nuts and seeds

Quality Matters
Eat seasonal, local ,organic, grassfed and wild
caught whenever possible

Tips for building ancestral nutrition into our lives

Cooking is a healthcare skill

Simple meals:

- 1. Veggies or a Salad
- 2. A Meat, Poultry, Fish or Egg
- 3. Potato, Sweet Potato, Plantain, Properly prepared whole grain or bean
- 4. Coconut oil, olive oil, butter {ghee} or grassfed animal fat
- 5. Lots of herbs and spices {sea salt included!}

Meal Plan and Batch Cook



Stock Snacks and Pantry Items Jerky Nut and seed butters Canned Salmon Dry Roasted Nuts and Seeds Fruits and Veggies



Join a CSA, Buy an animal/meat share, visit farmstands, Join online buying clubs, food co-ops...even Kosco!

Grow a garden {herbs are easy}

Shop, cook and eat with family and friends!







RESOURCES

Chris Kresser {www.chriskresser.com}
Terry Wahls {http://terrywahls.com/}
Sarah Ballentyne {www.thepaleomom.com}
Jeff Leach {Rewild e-book}
www.thewhole3o.com
http://www.remedyfarm.com/strong-start/