Preventing Diabetes

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Objectives

Provide nutrition education and strategies to help you begin making lifestyle modifications today.

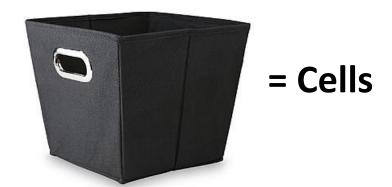
We need a volunteer!



= Glucose

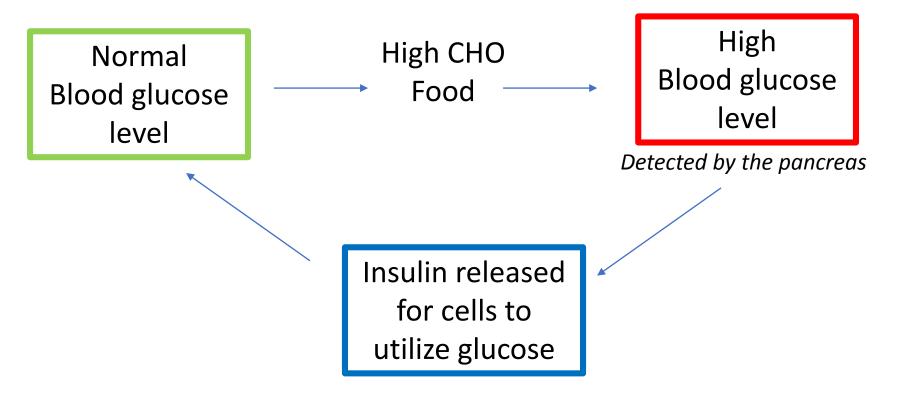


= Insulin



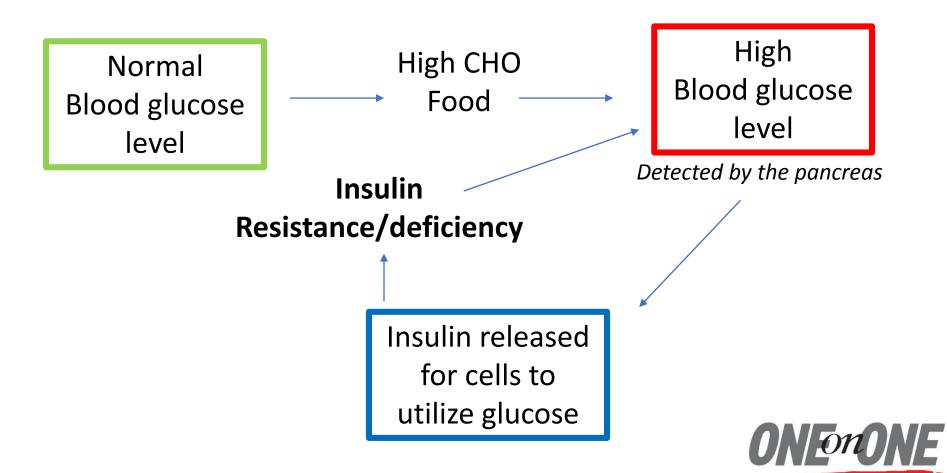


Normal Blood Glucose Regulation

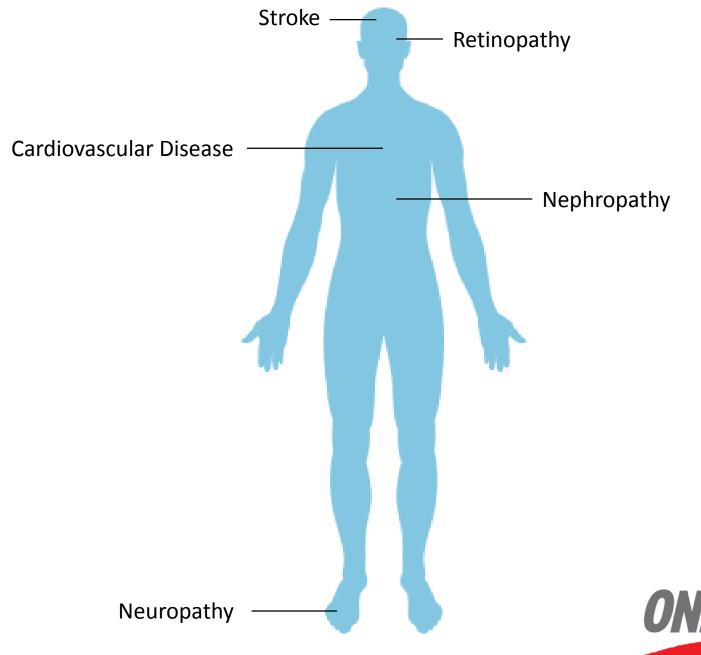




Abnormal Blood Glucose Regulation











Modifiable

- Overweight/Obese
- Previously impaired fasting blood glucose
- High blood pressure
- Dyslipidemia
- Inactivity
- Smoking

Non-Modifiable

- 45 years or older
- Family history
- Race/Ethnicity
 - African American
 - Latino
 - Native American
- Polycystic Ovarian Syndrome (females)
- History of Gestational Diabetes (females)



Lifestyle interventions such as diet and physical activity reduces your risk of developing Type 2 Diabetes by 58%.

Metformin reduces your risk by 31%.



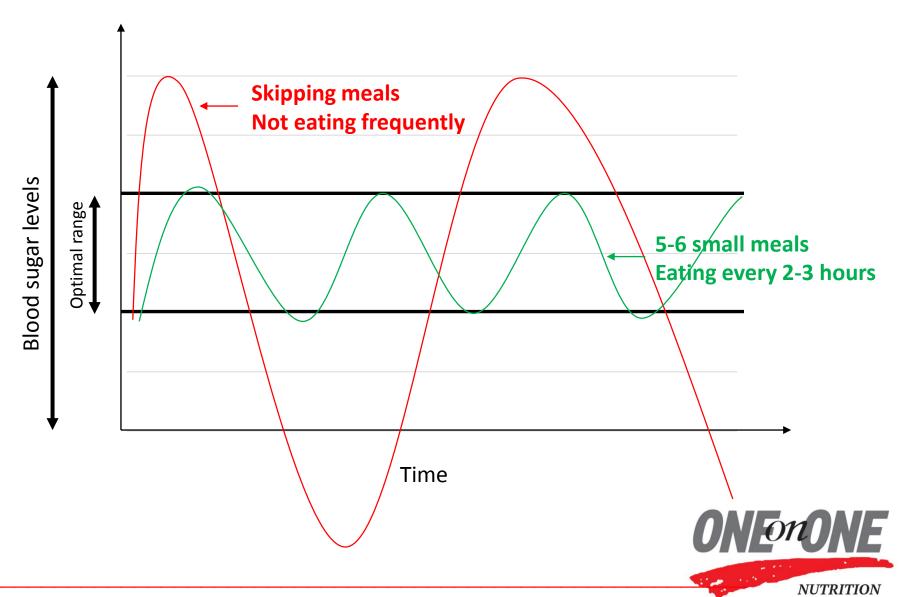
Weight Management

Losing 5-7% of your current weight can cut your chances of developing Type 2 Diabetes in half.

Current Weight (lb)	Pounds for 5% weight loss	Pounds for 7% weight loss
175	9	12
200	10	14
225	11	16
250	12.5	17.5
275	14	19
300	15	21



Frequency of eating



Simple Carbohydrates











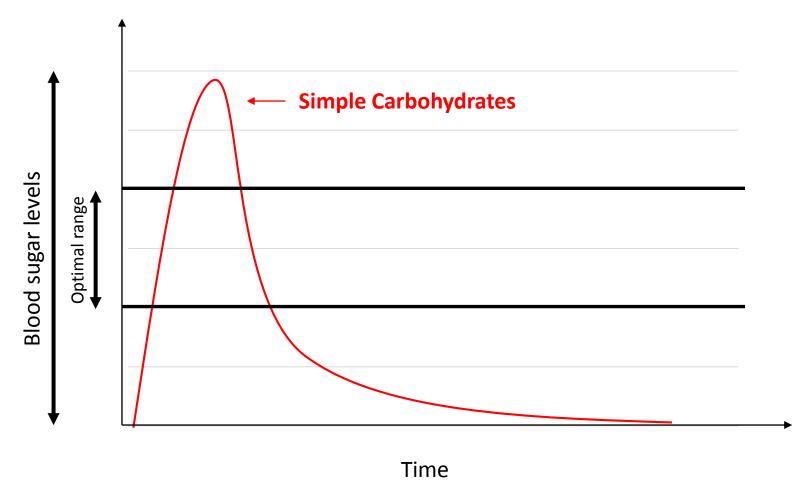


Sweeteners

Individuals who drink 8-16oz of sugar sweetened beverages per day have a 26% greater risk of developing Type 2 Diabetes than those who drink less than 8oz per month.



Macronutrient impact on blood sugar.





Complex Carbohydrates

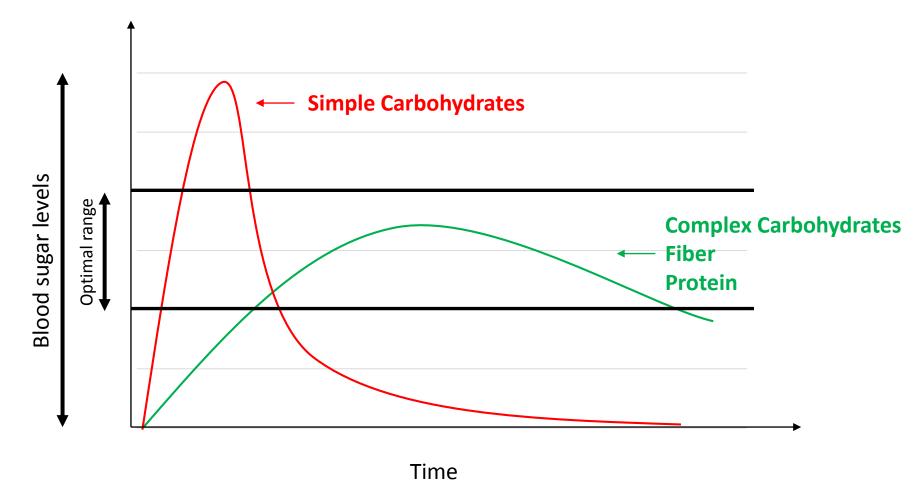








Macronutrient impact on blood sugar.





Fats



Trans Fats (0% of calories)

- Fried foods and bakery items
- Some processed foods (i.e. chips, salad dressings)



Saturated Fats (<7% of calories)

- Animal products (i.e. meat and dairy)
- Solid at room temperature (i.e. butter, creamer, coconut oil)



Unsaturated Fats

- Avocado, nuts, seeds, fish
- Liquid at room temperature (i.e. olive and canola oil)



Sodium

A blood pressure measurement of 140/90 increases your risk of developing Type 2 Diabetes.

2,300 mg/day ———

230 mg/serving

1 teaspoon table salt = 2,300mg of sodium

1,500 mg/*day*

140 mg/serving

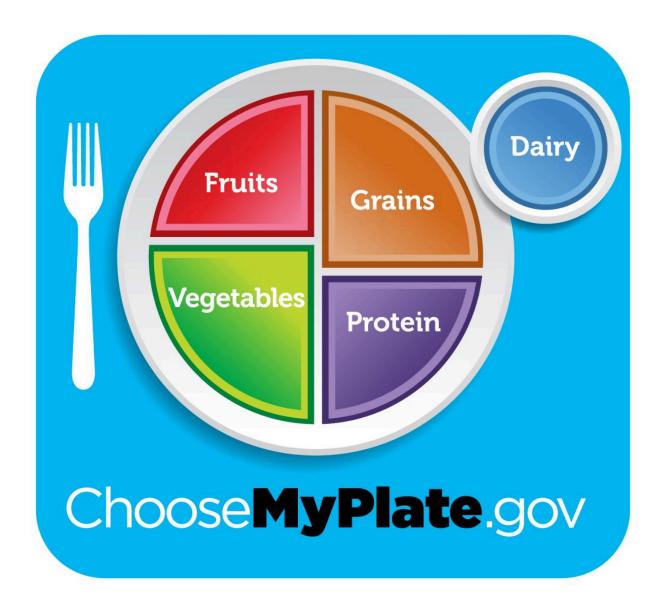


2,000 calorie diet

	Percentage of Calories
Carbohydrates	55%
Protein	20%
Fat	25%

Food Group	Number of Servings
Starch	12
Fruit	2-3
Vegetables	5
Dairy	1-2
Protein	6
Fat	5







Sample Day 1

Breakfast:

1 cup oatmeal

Lunch:

12" Subway® hoagie on white bread

Dinner:

2 cups white pasta with ground beef meat sauce

Dessert:

• 1 piece of fruit





Sample Day 2

Breakfast:

- 1 cup oatmeal (made with skim milk)
- 2 hard boiled eggs

Snack:

- 1 cup carrots
- 2 tablespoons Greek yogurt ranch dip

Lunch:

- Turkey Sandwich with whole grain bread
- 1 cup melon

Snack:

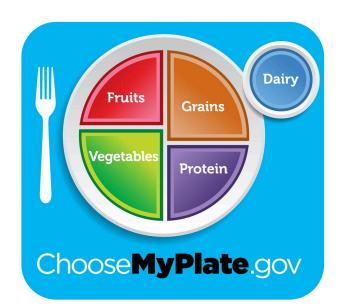
- 1 medium piece of fruit
- 1 lite string cheese

Dinner:

- 1 cup whole grain pasta
- 3oz grilled chicken
- Side salad

Dessert:

1 medium piece of fruit + 2 tablespoons powdered PB





Do LESS...

- Eat smaller portions.
- Eat less fat.
 - Focus on types!
- Eat fewer foods high in sugar.
- Use less salt when cooking and at the table.



Do MORE...

- Eat 5-6 small meals and snacks.
- Pair carbohydrates with protein and fiber.
 - Choose complex carbohydrates
- Eat more lean protein and low fat dairy.
- Increase physical activity.
 - People who watch 2 hours of TV per day have a 20% increased risk for developing Type 2 Diabetes.



Medical Nutrition Therapy (MNT)

1% to 2% decreases in A1C after 3 to 6 months of diet interventions.

Weight loss of 5 to 14lb in 3 months.

Save an average of \$1,232.00 in Metformin costs per year.

