

Food for Thought

Finding the Right Balance with Healthy Eating

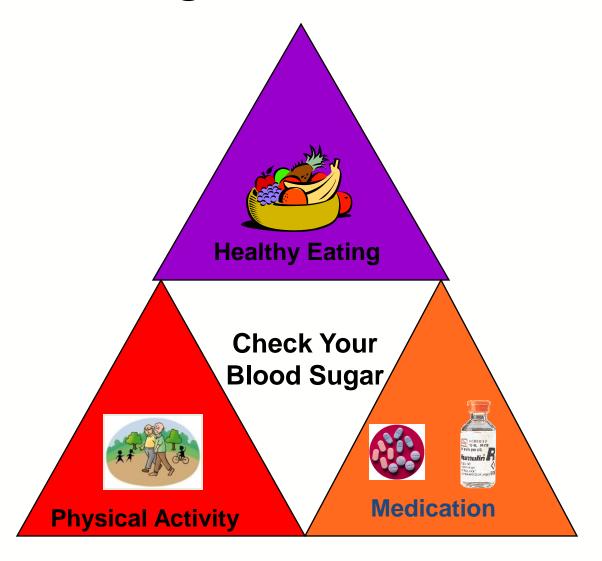
Adapted for Upstate Medical University by: Kristi Shaver, BS, RN, CDE, MS-CNS Student (2014) January 2014



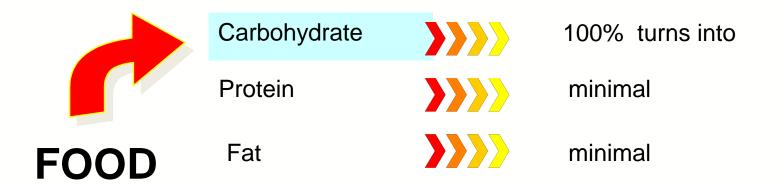
Why is Healthy Eating Important?

- Blood sugar control
- Reduces risks of complications
 - Heart disease
 - Kidney disease
- Weight control
- Good health

Caring for Your Diabetes



How Foods Affect Your Blood Sugar





BLOOD SUGAR



Why Does Carbohydrate Elevate Blood Glucose Quickly?

Fat 4 - 6 hrs.

Protein 2 - 4 hrs.

Carb 1 - 2 hrs.

Why Eat Carbohydrate?

- Fuel for physical activity
- Fuel to run our organs
- Source of vitamins, minerals, fiber
- Helps muscles

What Foods Have Carbohydrate?

- Grains rice, oats, wheat, barley
- Fruit & fruit juice
- Milk & yogurt
- Vegetables
- Legumes beans, peas
- Desserts & Snack Foods

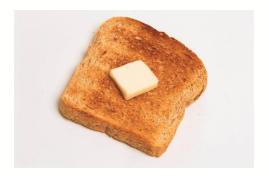
How much carb should I eat?

- Different for everyone
- Depends on:
 - Activity level
 - Weight goal
 - Gender
 - Diabetes medications
 - Blood glucose goals

Carbohydrate Equivalents

1 carbohydrate equivalent=15 grams

Breads/Grains



1 slice whole grain bread

Fruit



Small fresh fruit

Milk



8 oz lowfat milk

Other Carbs



1 med Choc chip cookie

Total Carbohydrates =
Total Effect on the Blood
Sugar

Serving Size 1 cup

Total Carbs 36 grams

Whole Grain Cereal

Nutrition Facts

Serving Size: 1 cup (53g/1.9 oz.) Servings Per Container: About 8

A	-	Conveloper
mount	rer	Serving

Amount Per Servin	·a	
Calories 190	Calorie	s from Fat 25
		% Daily Value**
Total Fat 3g*		5%
Saturated Fat 0g		0%
Trans Fat 0g		
Cholesterol 0mg		0%
Sodium 95mg		4%
Potassium 300mg		9%
Total Carbohydr	ate 36g	12%
Dietary Fiber 8g		32%
Soluble Fiber	3g	
Insoluble Fibe	er 5g	
Sugars 13g		
Protein 9g		14%
Vitamin A 0%		Vitamin C 0%

Vitamin A 0%		Vitamin C 0%	
Calcium 4%	•	Iron 10%	
Phosphorus 10%	•	Magnesium 10%	
Copper 8%			
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additional 40 calories, 65mg sodium, 6g total carbohydrates (6g sugars), and 4g protein. ** Percent Daily Values are based on a 2,000 calorie diet. Your daily

** Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs:

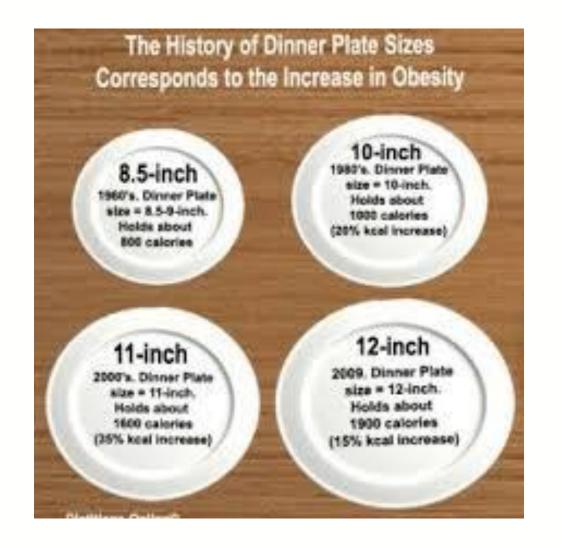
-	Calories:	2,000	2,500
Total Fat	Less Than	65g	80g
Sat. Fat	Less Than	20g	25g
Cholesterol	Less Than	300mg	300mg
Sodium	Less Than	2,400mg	2,400mg
Potassium		3,500mg	3,500mg
Total Carbohyo	Irate	300g	375g
Dietary Fiber	6	25g	30g
Protein		50g	65g
Calories per gr	am:		Donatala 4

INGREDIENTS: Soy Grits, Hard Red Winter Wheat, Long Grain Brown Rice, Whole Grain Oats, Barley, Rye, Buckwheat, Sesame Seeds, Evaporated Cane Juice Syrup, Corn Meal, Corn Flour, Soy Protein, Wheat Bran, Oat Flour, Corn Bran, Honey, Natural Flavors, Calcium Carbonate, Salt

CONTAINS SOYBEAN AND WHEAT INGREDIENTS







Supersizing!

Bagel

20 Years Ago

Today





Important Points...

- Find balance
- · Count your carbohydrate grams
- It's not about following a "Special Diet". Follow your meal plan; if it doesn't work it can be changed
- Even a small sweet treat now & then can work into a meal plan

True or False

Being active is important for blood sugar control...





Physical activity makes you healthier



- Helps with weight control
- Increases your strength
- Improves blood glucose control/A1C
- Helps medications work better
- Helps with blood pressure/cholesterol
- Reduces risk of chronic disease
- Makes you feel better
- Reduces depression



How does physical activity affect blood glucose?



Exercise helps insulin work



What keeps you from being physically active?

- Time/work
- Not sure what to do
- Lack of support
- Medical problems
- Weather
- Feeling lazy
- Dislike exercise



Possible Solutions

- Find activities you enjoy
- · Set small, reachable goals
- Exercise with family or friends
- Buy a new pair of shoes
- Plan your workouts in your calendar
- Other ...



Plan YOUR path to fitness! Stay F.I.T.T.

- Frequency
 - How often?
- Intensity
 - How long or hard?
- Type
 - What kind of activity?
- · Time
 - When will you exercise?







What type of activity?

- Aerobic Exercise:
 Walking, biking, swimming,
 hiking, dancing, jogging
- Aerobic Machines:
 Elliptical, stationary bike,
 rowing, arm bike





How Often & How Long?

Fitness & Diabetes	Weight Loss & Maintenance
5 days/Wk	6-7 days/Wk
30 Minutes	60-90 Minutes

- Perform multiple bouts of minimum
 10 mins exercise
- · Start slowly and build up





How Hard?

- · Follow the "Talk Test"
 - If you can sing or whistle while doing the activity, you are active at a <u>light</u> intensity
 - If you are able to carry on a conversation comfortably while engaging in the activity, you are active at a <u>moderate</u> intensity
 - If you become winded or too out of breath to carry on a conversation, the activity can be considered <u>vigorous</u>





What Time of Day?

Any time that fits into your:

- Daily activities
- Lifestyle
- · Diabetes treatment plan

Plan ahead





Be More Active!

- Use stairs
- Walk, don't drive
- Get on or off the bus a stop earlier
- Do your own gardening
- Walk your dog
- Go dancing
- Wear a pedometer
 Pedometers are fun!





Watch for low blood glucose with these medications!

- Insulin & Injectables
- Diabetes Pills:
 - Diabeta, Micronase, Glynase, Glucovance, Glyburide, Glipizide
 - Glucotrol, Glucotrol XL, Metaglip
 - Amaryl
 - Prandin
 - Starlix







Prevent Low Blood Glucose

- Check blood glucose before and after activity with a goal to be:
 - Diabetes pills: over 100 mg/dl
 - Insulin: over 150 mg/dl
- Treat if your blood glucose is lower than goal
- Unplanned exercise
 - 30mins- take 15g of carbs
 - 60mins take 15g of carbs + 7-8g of protein



Eating for 30 minutes of exercise

15 grams of Carbohydrate

- 3 graham crackers
- 6 saltines
- 3 ginger snaps
- · 2 rice cakes
- 3 cups plain popcorn

- small apple
- 15 grapes
- small orange
- 2 Tbsp. raisins
- · medium peach



When NOT to exercise

- If you are not feeling well and...
- Type 2 diabetes blood glucose higher than 400 mg/dl
- Type 1 diabetes If blood glucose higher than 250 mg/dl, test for ketones:
 - If positive for ketones, <u>NO EXERCISE</u>
 - If negative for ketones:
 - · If less than 300 okay to exercise
 - · If greater than 300 exercise WITH CAUTION



Special Considerations

- High blood pressure
- Retinopathy
- Nephropathy
- Neuropathy
- Cardiovascular
- Musculoskeletal





Exercise safely!

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- Check your blood glucose
- Know when you should NOT exercise
- Be prepared clothes, shoes, supplies, identification, etc.
- Know what to ask your provider about your health



"It is better to discuss how far you have walked than how little you have eaten"

Dr. Elliott P. Joslin, 1924



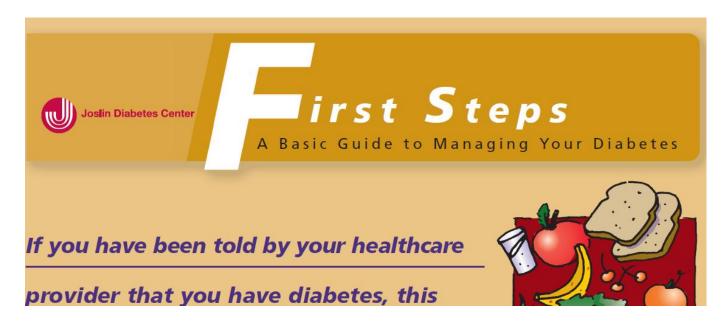
Go to the Patient Education link on the internal Upstate website



Select the <u>Diabetes/Joslin Adult</u> category



Check out all the great education materials!





Online Diabetes Resources to Learn More:

- 1. National Diabetes Education Program 1-888-693-NDEP (1-888-693-6337) www.YourDiabetesInfo.org
- 2. Diabetes HealthSense: An online library of resources for living well. www.YourDiabetesInfo.org/HealthSense
- 3. Academy of Nutrition and Dietetics 1-800-877-1600 www.eatright.org
- 4. American Association of Diabetes Educators 1-800-338-3633 www.diabeteseducator.org
- 5. American Diabetes Association 1-800-DIABETES (1-800-342-2383) www.diabetes.org
- 6. American Heart Association 1-800-AHA-USA1 (1-800-242-8721) www.americanheart.org
- 7. Centers for Disease Control and Prevention 1-800-CDC-INFO (1-800-232-4636) www.cdc.gov/diabetes
- 8. Centers for Medicare & Medicaid Services 1-800-MEDICARE (1-800-633-4227) www.medicare.gov
- 9.JDRF 1-800-533-CURE (1-800-533-2873) www.jdrf.org

