EATING FOR DIABETES

OUTLINE

Nutrition

- Carbohydrates, Sugar & Other nutrients
- Balanced meals
- Alcohol
- Reading labels
- Portion sizes

TRUE OR FALSE?

Now that I have diabetes, I have to eat a perfect diet.

No carbs, no fat, no salt and especially no sugar. Food will never be fun again.

FALSE!

Truth: Carbohydrate (sugar) is part of a healthy diet.

- Choose healthy sources of carbohydrate most of the time
- It is okay (and healthy) to eat sweet treats sometimes

Avoid "all or nothing" thinking

WHAT CAN I EAT?

DIABETES NUTRITION

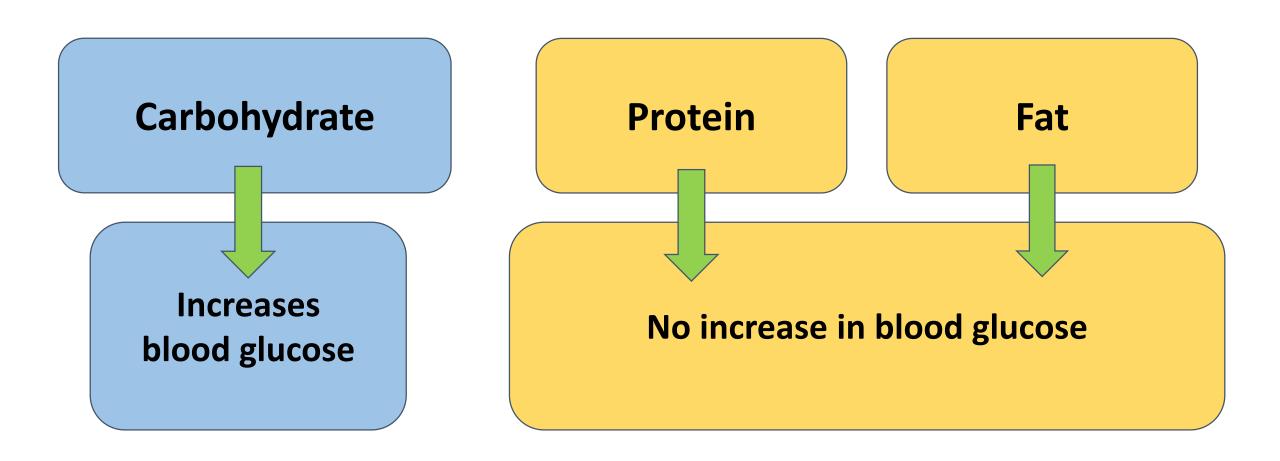
- Healthy eating for diabetes is simply that: healthy eating!
 - No foods are "off limits"

- How much of a difference can healthy eating make? A LOT!
 - Decreases 10 year risk of diabetes complications by at least 30%
 - Can lower A1c by 1-2%
 - Balanced eating is more powerful than any medication

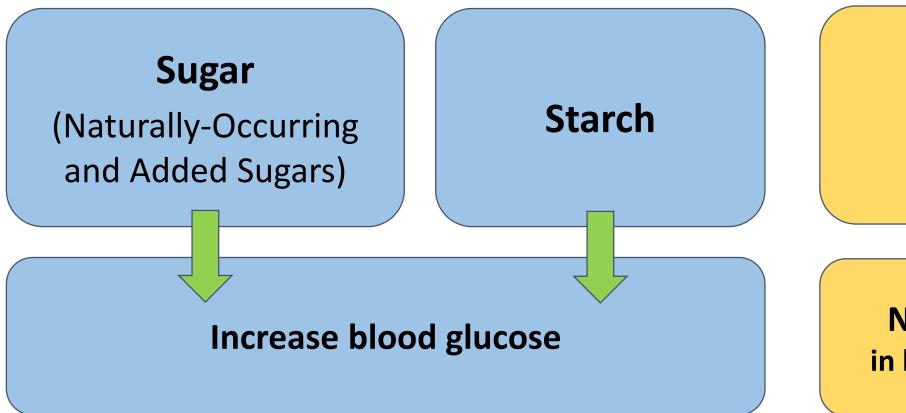
TAKE HOME POINT: YOUR OVERALL DIET PATTERN IS WHAT MATTERS MOST



Nutrients



Carbohydrates



Fibre

No increase in blood glucose

CARBOHYDRATES (CARBS)

- Provide energy for the body
- Carbohydrate = sugar



































QUALITY OF SUGAR

Naturally Occurring

- ↑ Nutrients (usually)
- ↑ Fibre
- ↑ Vitamins & Minerals



Added Sugars

- **↓** Nutrients
- **↑** Calories











LIMIT SIMPLE SUGARS (EVEN NATURALLY-OCCURRING)

- Honey, maple syrup, raw sugar = the same as white sugar
- Fresh or frozen fruit = healthy but fruit juice = high sugar









HOW MUCH SUGAR CAN I EAT?

For "added" or "simple" sugars

- 20-40 g per day
- Consider the nutritional quality = fibre + natural or added sugars?
- Small amounts of sugar throughout the day are better than all at once
- Discuss with a Registered Dietitian

FIBRE

- Not digested = no sugar
- Stabilizes blood glucose
- Lowers blood cholesterol
- Makes you feel full
- Need = 25-35 grams/day









PROTEIN

- Does not turn to sugar
- Keeps muscles & tissues healthy
- Stabilizes blood glucose
- Makes you feel full
- Quality matters!



FAT

- Does not turn to sugar
- Helps absorb nutrients from food
- Stabilizes blood glucose
- Makes you feel full
- Quality matters!
- Attend Eating For Heart Health class for more detail



POLL QUESTION

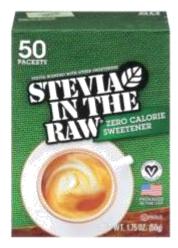
Is it better to eat real sugar – or – artificial sweetener?

SUGAR VS. ARTIFICIAL SWEETENER

Truth: The choice is yours

- Safe and approved by Health Canada for use in foods
- Artificial sweeteners do not raise blood glucose
- Many options available





BALANCED MEALS:

HEALTHY PLATE METHOD

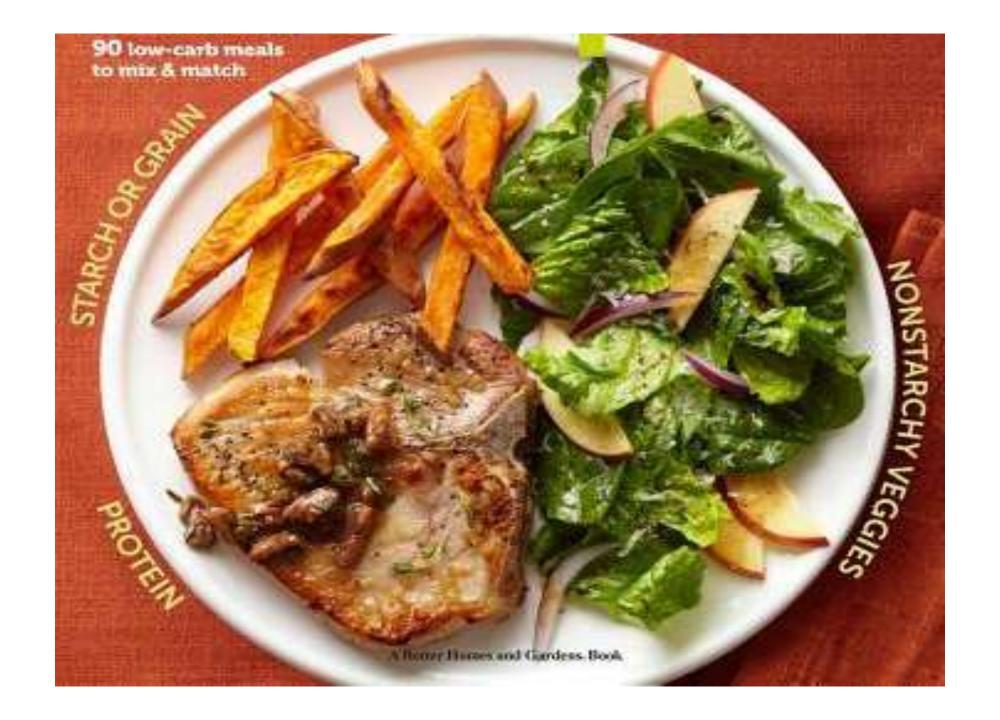












MEAL TIMING AND FREQUENCY

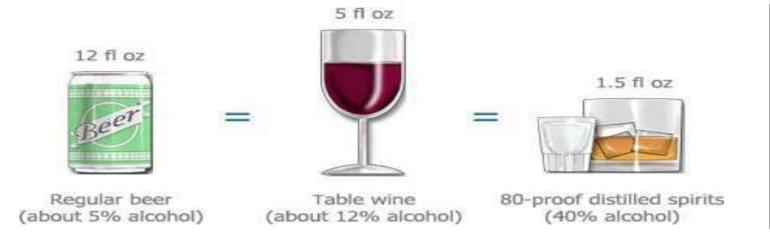
- 3 meals per day
- Snacks are optional

Eating regularly:

- Keeps blood glucose stable
- Helps portion control

ALCOHOL: MAXIMUM RECOMMENDED INTAKE

- Men: 2-3 drinks per day (total 15 per week)
- Women: 1-2 drinks per day (total 10 per week)
- When moderation may be too much
 - Avoid alcohol most of the time if you have fatty liver or high triglycerides



CAUTION

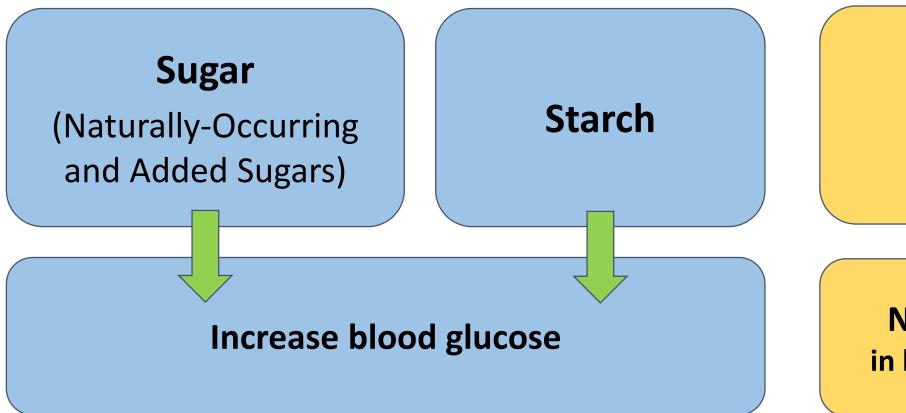
Alcohol can cause delayed low blood sugar (hypoglycemia)

LABEL READING



Nutrition Facts / Valeur nutritive Per 1 cup (47 g) / Par 1 tasse (47 g)							
Amount/ Teneur	Cereal / Céréales	With 1/2 cup skin milk / Avec 1/2 tasse de lai écréme					
Calories / Calories	160	210					
	% Daily Value" / %	valeur quotidienne*					
Fat / Lipides 1 g*	2%	2%					
Saturated / Saturés 0.2 g + Trans / Trans 0 g	1%	2%					
Cholesterol / Cholestérol 0 mg	0%	1%					
Sodium / Sodium 0 mg	0%	2%					
Potassium / Potassium 190 mg	5%	11%					
Carbohydrate / Glucides 38 g	13%	15%					
Fibre / Fibres 6 g	24%	24%					
Sugars / Sucres 0 g		1000000					
Protein / Protéines 5 g							
Vitamin A / Vitamine A	0%	8%					
Vitamin C / Vitamine C	0%	0%					
Calcium / Calcium	2%	15%					
Iron / Fer	10%	10%					
Vitamin D / Vitamine D	0%	25%					
Thiamin / Thiamine	8%	10%					
Riboflavin / Riboflavine	4%	20%					
Niacin / Niacine	15%	20%					
Folate / Folate	4%	6%					
Vitamin B12 / Vitamine B12	0%	35%					
Pantothenate / Pantothénate	6%	15%					
Phosphorus / Phosphore	15%	25%					
Magnesium / Magnésium Zinc / Zinc	20% 15%	25% 20%					

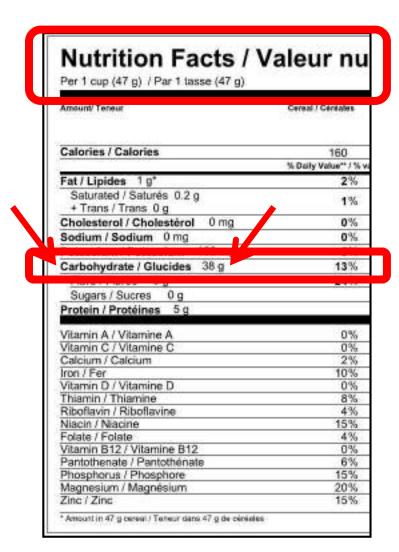
Carbohydrates



Fibre

No increase in blood glucose

LABEL READING

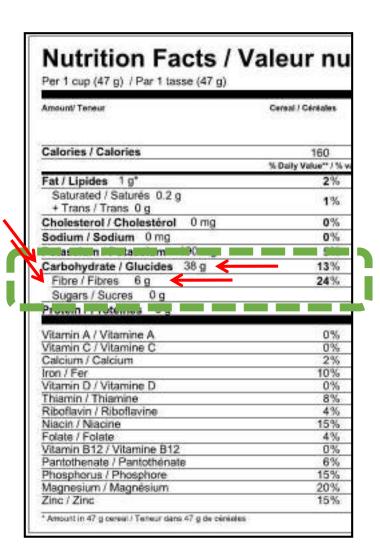


- 1) Look at the serving size Compare to your <u>actual intake</u>
- 2) Look at the **total grams of carbohydrate** per serving

Includes:

- Fibre,
- Sugar, and
- Starch (but starch is not always displayed on the label)

LABEL READING



3) Subtract the fibre(Does not raise blood sugar)

38 g carbohydrate per serving

- 6 g fibre

32 g net carbohydrate

(sugar + starch)

COMPARING FOODS





COMPARING FOODS





37 g net carb per 2/3 cup

WHOLE GRAIN DATS, SUGAR, WHOLE GRAIN WHEAT, RAISINS, WHEAT BRAIN, RICE FLOUR, CRANBERRIES, HONEY, CORN SYRUP (FIBRE), WHEAT, ALMONDS, GLYCERIN, BROWN SUGAR SYRUP, ACACIA GUM, SALT, COPN AND BARLEY MALT EXTRACT VEGETABLE OIL, MALTODEXTRIN, PALM OIL, CINNAMON, MONOGLYCERIDES, CITRIC ACID, NATURAL, FLAVOUR, MIXED TOPOSHERIES, SOR DESCRIPTORS



- 1) Serving size
- 2) Total grams of carb
- 3) Subtract fibre

HOW MUCH CARBOHYDRATE SHOULD I EAT?

HOW MUCH CARB SHOULD I EAT?

Women

- 30-45 grams of carbohydrate per meal (x 3 meals/day)
- Maximum 15-20 grams of carbohydrate per snack
- Maximum 150-200 grams total carb per day

Men

- 30-60 grams of carbohydrate per meal (x 3 meals/day)
- Maximum 15-30 grams of carbohydrate per snack
- Maximum 200-250 grams total carb per day

Carbohydrate in Foods

This handout can help you find out which foods are higher and lower in carbohydrate. Knowing this can help you manage your blood sugge.

Carbohydrate foods

These foods turn into sugar in your blood. You can have some carbohydrate foods every day. Each serving below is 1 choice.

1 choice = 15 grams of carbohydrate.

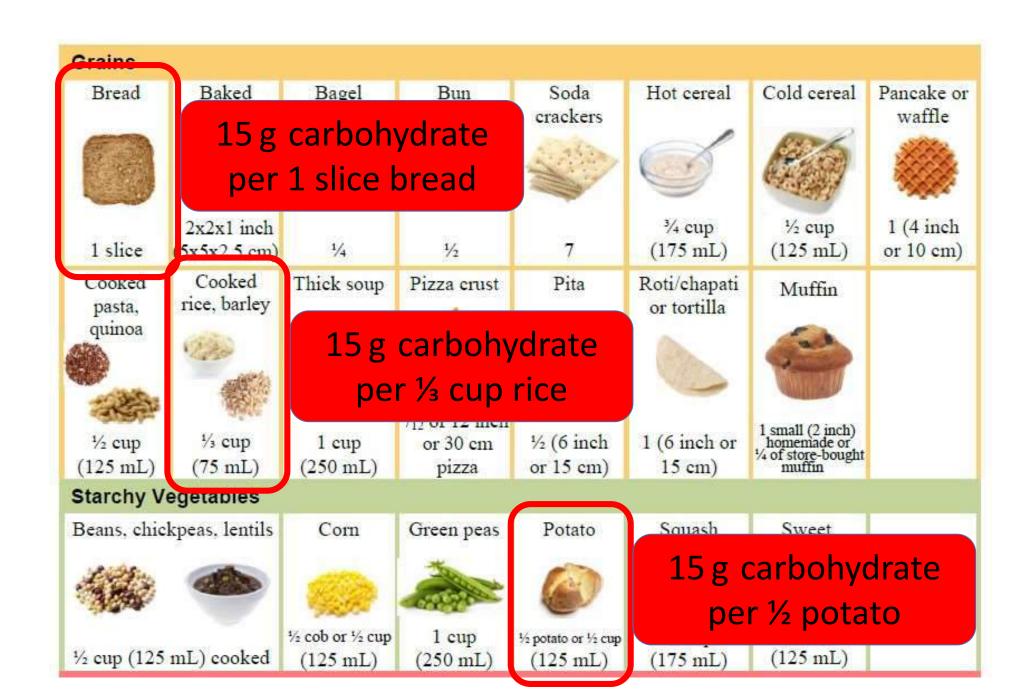
ou can have	some carbob	ydmic foods c	very day		110000 - 124	grams of carbo	myarme.
Graine .							
Breat	Baked benneck	Bagel	Bun	Soda crackers	Hot control	Cold cereal	Pancake er waffie
	-	9		Sale	0	1	-
I slice	2x2x1 inch (5x5x2.5 cm)	(WC	:16 :	7	% cup (175 mL)	% cup (125 mL)	1 (4 inch or 10 cm)
Cooked puita, quinea	Cooked nuc harley	Thick soup	Pluca crest	Pila	Ross chaputi or tortifla	Mulfin	
	400	-	A	0	0	-	
Si cup (25 mL)	% cup (75 mL)	1 cap (250 mL)	Vep of 12 meli or 30-em pizza	to (6 inch or 15 cm)	1 (6 inch or 15 cm)	I med (2 jech) Spranskij in It diegybough	
	egetables						
kearn, chic	kpeas, lentile	Com	Green pean	Potato	Squish	Sweet potato, yam	
100	-	-	-	6	2	N cup	
cup (125	mL) proked	% cobor % cup (125 mL)	(250 mL)	(125 mL)	(175 mL)	(125 ml.)	
ruit							
Apple, orange	Bátana	Blueberries	Strawberten, Paupherren, or Hisconorous	Chemics or grapes	Carned fruit	Kiwis	Feach, necturing
median	Lance of	1 cup (250 mL)	2 cups (500 mL)	14	% cup (125 mL)	2 medium	0
Meion	% targe Pose	Pincapple	Plums	Juice, 100%	Mandarins	Mango	Paiging of the
Top	-	SE.	R	Vi cup	8	(
250 mL)	Tsnull	(175 mk)	2 medium	(125 mL)	2 medium	1/4 medium	2 Thep (10 m)
ilk and A	Uternatives						
beverage in	ortified soy no added gar	84	r or no mlágd gar 175 mL i	Yogut with	added sugar	Milk or fo beverage (ese M
ther foo	NAME AND ADDRESS OF THE OWNER, TH	2 110000000	10.5000000	And the latest	estenanne	10000	massen -
Sugar, ji	OHO.	Sugary drinks, pop	Popcom	Potato or tortilla chips			
		W	1	min.			
1 Than	(15 mL)	%-crep (125 mL)	3 rags (750 mL)	17 chips (25 g)			

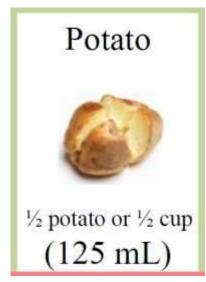
Foods with little or no carbohydrate These frosts have lattle effect on your blood sugar Vegetables

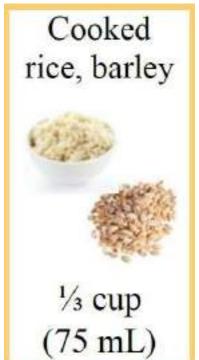


Notes:

15 g carbohydrate per serving







1 whole potato (½ potato x 2)

2 carbohydrate servings x 15 g carb

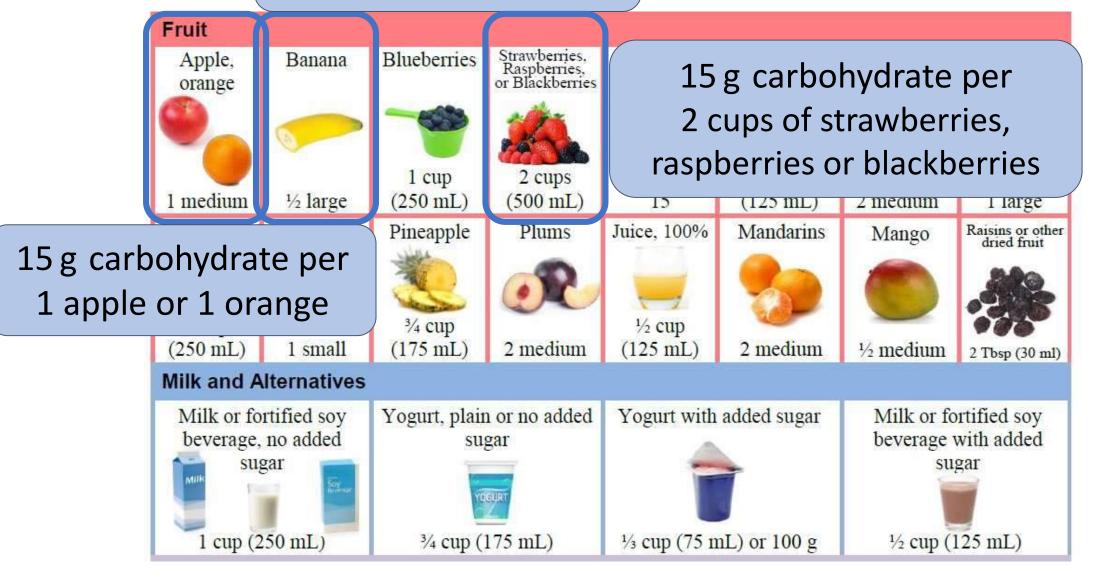
30 g carbohydrate
per 1 whole potato (1 cup)

1 cup rice (⅓ cup x 3)

3 carbohydrate servings x 15 g carb

45 g carbohydrate per 1 cup rice

15 g carbohydrate per ½ banana



Carbohydrate in Foods

This handout can help you find out which foods are higher and lower in earbehydrate. Knowing this can help you manage your blood sagge.

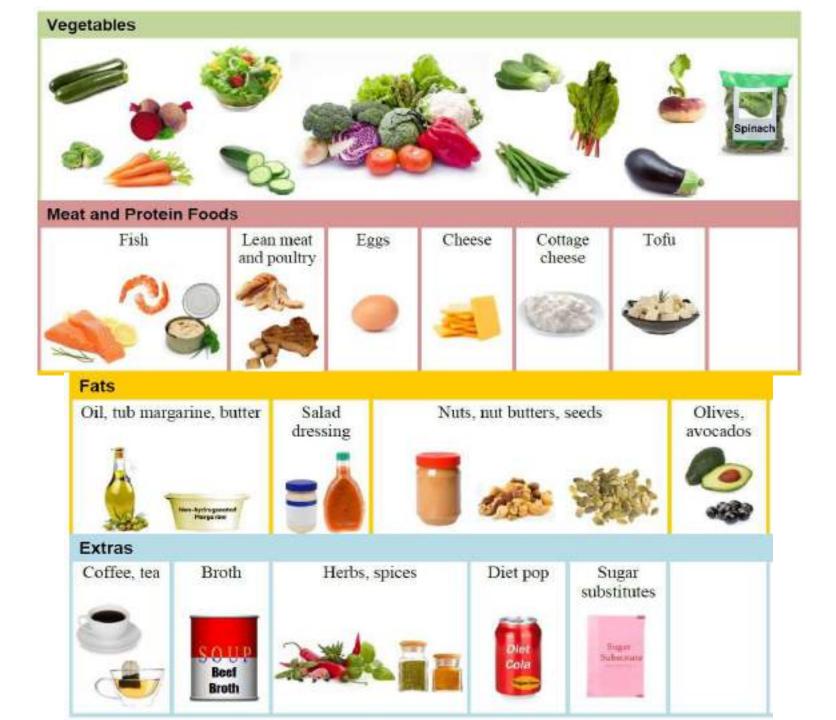
Carbohydrate foods

These foods turn into sugar in your blood. You can have some carbohydrate foods every day. Each serving below is 1 choice.

I choice = 1.5 grams of carbohydrate.

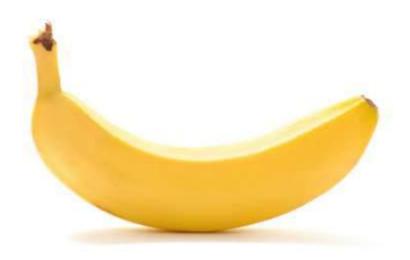




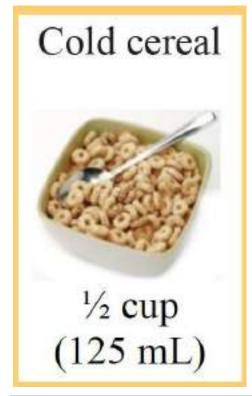


BREAKFAST - OPTION 1





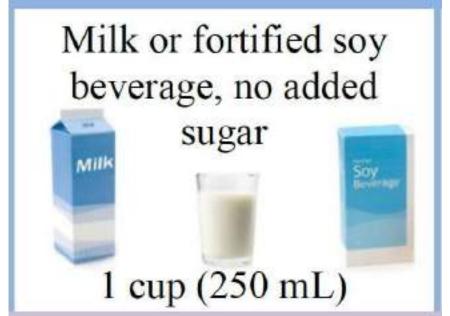
2 cups cereal with milk + 1 banana



2 cups cereal (½ cup x 4 servings)

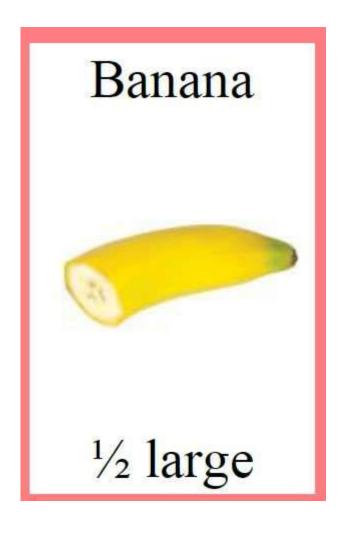
4 carbohydrate servings x 15 g carb

60 g carb per 2 cups cereal



1 cup skim milk (1 serving)

= 15 g carb



1 whole banana (½ x 2 servings)

2 carbohydrate servings x 15 g carb

30 g carb per 1 banana

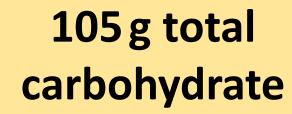
BREAKFAST - OPTION 1

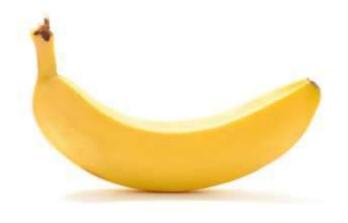


60 g carb



15 g carb





30 g carb

BREAKFAST – OPTION 2







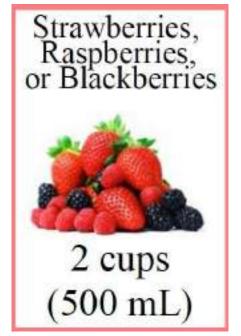
2 eggs + 2 slices whole grain toast with margarine or peanut butter + 2 cups strawberries



2 slices toast (1 slice x 2 servings)

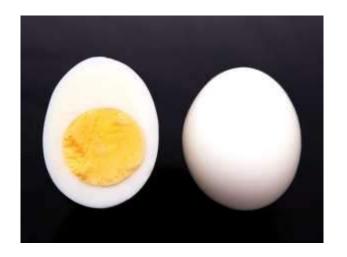
2 carbohydrate servings x 15 g carb

30 g carb per 2 slices toast



2 cups strawberries (I serving)

= 15 g carb



Eggs = no carbohydrate



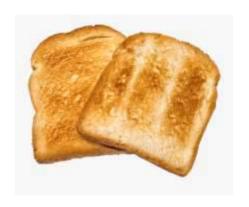
Margarine = no carbohydrate



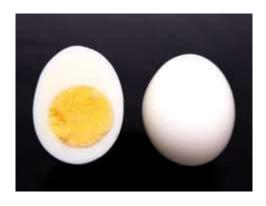
Peanut butter = no carbohydrate

= 0 g carbohydrate

BREAKFAST – OPTION 2



30 g carb



No carb



15 g carb



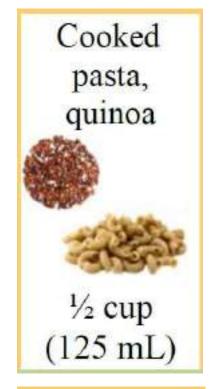
No carb

45 g total carbohydrate

SUPPER – OPTION 1



2 cups fettuccine alfredo with chicken+ 2 slices garlic bread



2 cups pasta (½ cup x 4 servings)

4 carbohydrate servings

x 15 g carb

60 g carb per 2 cups pasta



2 slices garlic bread (1 slice x 2 servings)

2 carbohydrate servings

x 15 g carb

30 g carb per 2 slices garlic bread



Chicken = no carbohydrate



Alfredo sauce = low/no carbohydrate (check the label)

= 0 g carbohydrate

SUPPER - OPTION 1



60 g carb



No carb



Low/no carb



30 g carb

90 g total carbohydrate

SUPPER – OPTION 2





1 cup fettuccine alfredo with chicken+ 1 slice garlic bread + 3 cups Caesar salad

SUPPER – OPTION 2



30 g carb



15 g carb



Low/no carb



Low/no carb

45 g total carbohydrate



No carb

BALANCED MEALS:

HEALTHY PLATE METHOD



HEALTHY EATING RESOURCES

 Diabetes Canada www.diabetes.ca Other health education groups, including Heart Health Essentials www.wrha.mb.ca/groups

Unlock Food
 Dietitian-approved meal plans
 nutrition information
 www.unlockfood.ca

FOR GENERAL NUTRITION QUESTIONS



1-877-830-2892 Call 204-788-8248 in Winnipeg

NEED MORE SUPPORT? Meet with a Registered Dietitian (optional)

 Do you have private health insurance? Find a private practice dietitian here: www.CollegeOfDietitiansMB.ca/find-a-dietitian/private-practice

■ If you don't have insurance, you may still be able to see a dietitian. Visit www.wrha.mb.ca/nutrition and select *Find A Dietitian*

THANK YOU!

Use the chat function or un-mute your microphone

ANY QUESTIONS?