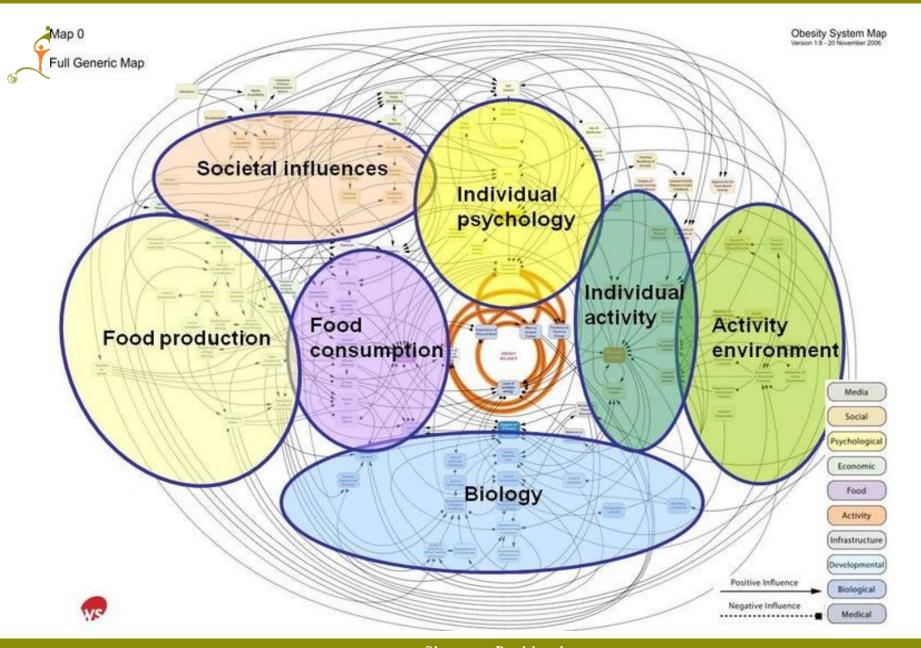
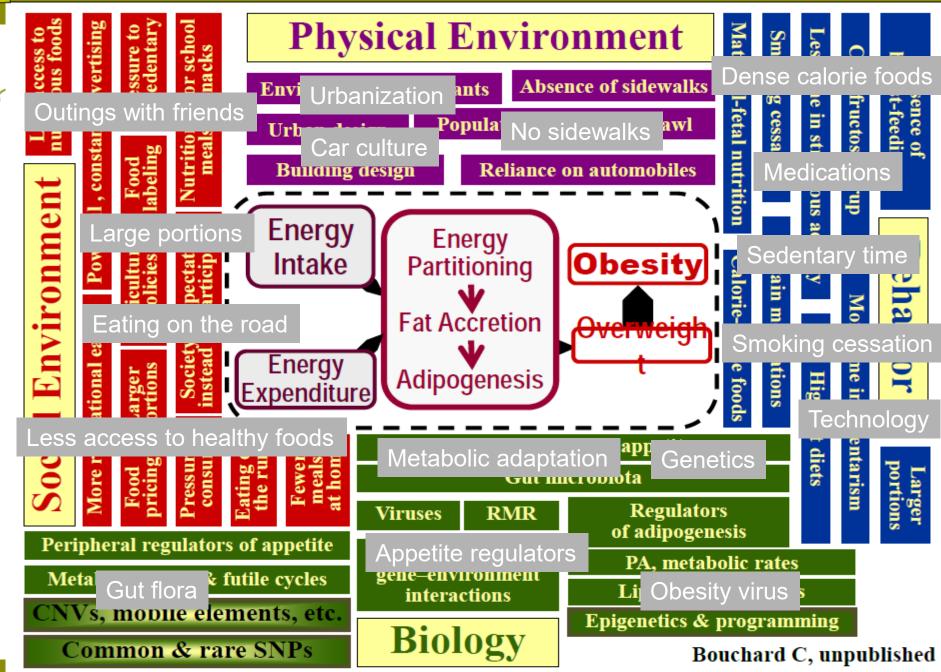


# Healthy Living, Healthy Weight

The Weight Loss Discussion











# Importance of weight maintenance when you have a chronic disease

#### BMI

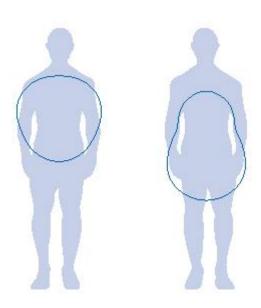
- · It is a clinical tool, it doesn't always reflect overall health
- Weight (kg) / Height (m²)
- $\geq$  30 kg/ m<sup>2</sup> = Obesity

### Waist circumference

♀ ≤ 88 cm and ♂ ≤ 102 cm

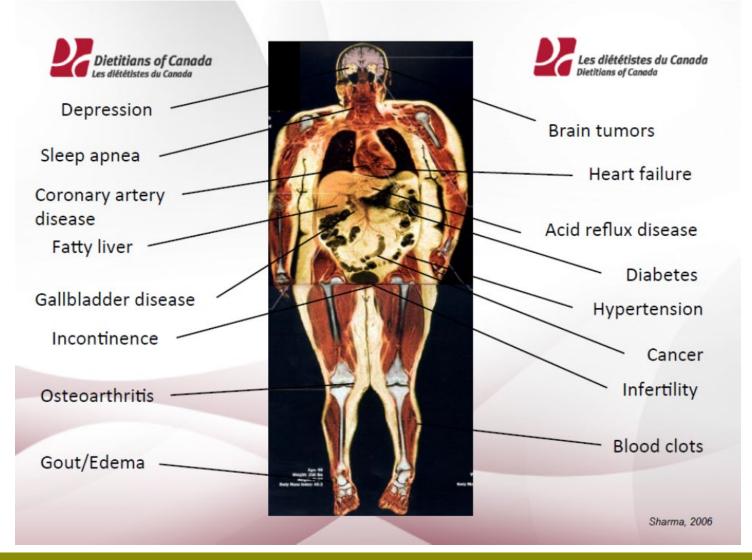
### Body shape

Apple, pear





# Side effects of excess weight



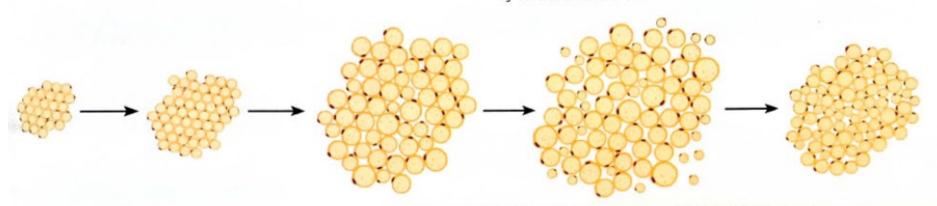




# Fat cell development

### FIGURE 9-2 Fat Cell Development

Fat cells are capable of increasing their size by 20-fold and their number by several thousandfold.



During growth, fat cells increase in number. When energy intake exceeds expenditure, fat cells increase in size.

When fat cells have enlarged and energy intake continues to exceed energy expenditure, fat cells increase in number again. With fat loss, the size of the fat cells shrinks but not the number.



### A Hormonal Affair...

Cortisol (brain) =

Dopamine (brain) =

Insulin (pancreas) =

Ghrelin (stomach) =

Leptin (fat cells) =

Others...

Stress

Pleasure

Fat storage

Hunger

Satiety



## **Cortisol – Brain Hormone**

- Fight or Flight hormone
  - the body want's to survive and maintain its integrity
- Sleep deprived
- Screen watching
- Makes you hungry
- Increases belly fat
- Sleep patterns
  - Sleep before midnight most sleep before 5:30 am
- No eating after 8pm True or false?



# **Dopamine - Syndrome**

- Dopamine = Similar to endorphins
- Pleasure Hormone "Chocolate" = cravings/sweet tooth
  - raises dopamine levels in the brain
- Weight gain = Decreased receptors in the brain
  - Therefore always looking for more



## **Insulin - Pancreas**

- Eating refined carbohydrates increase insulin in the blood
- Too much insulin = fat storage

#### Newer research...

Eating larger meals in the AM = less insulin at night
 more weight loss

### VS

Large meal at supper = insulin spikes in the evening



# & Ghrelin – Stomach Hunger

- High ghrelin stimulates the appetite... when you don't eat (low calorie diet) you feel hungry...
- Secreted by the stomach
- Released in response to low food intake/fasting
- Ghrelin levels are lower with exercise and gastric bypass surgery, therefore less appetite = lower food consumption



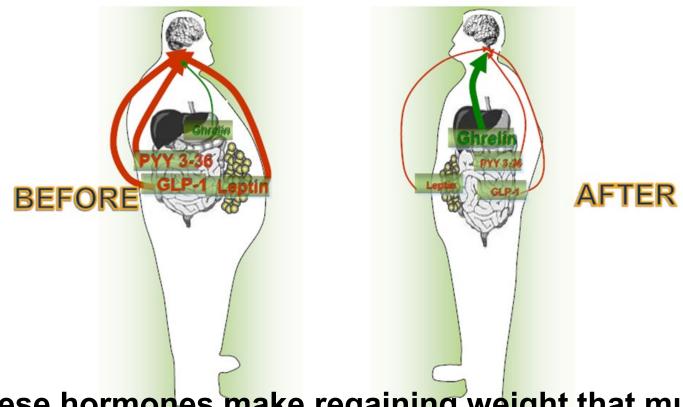
# Leptin

- High Leptin suppresses/controls appetite & Increases energy expenditure
- Produced by fatty tissue
- Low leptin = slower metabolism and desire to EAT MORE!
- Weight gain = High leptin levels BUT it is resistant!





# What happens after weight loss



These hormones make regaining weight that much easier!!!



# What happens to our metabolism?

	Mean energy expenditure			
	(kcal/day)	(observed minus predicted kcal)		
Before weight loss	3100			
10% weight loss	2549	-244		
Before weight loss	3129			
20% weight loss	2243	-301		

Rapid weight loss will decrease basal metabolism so you end up burning less calories daily

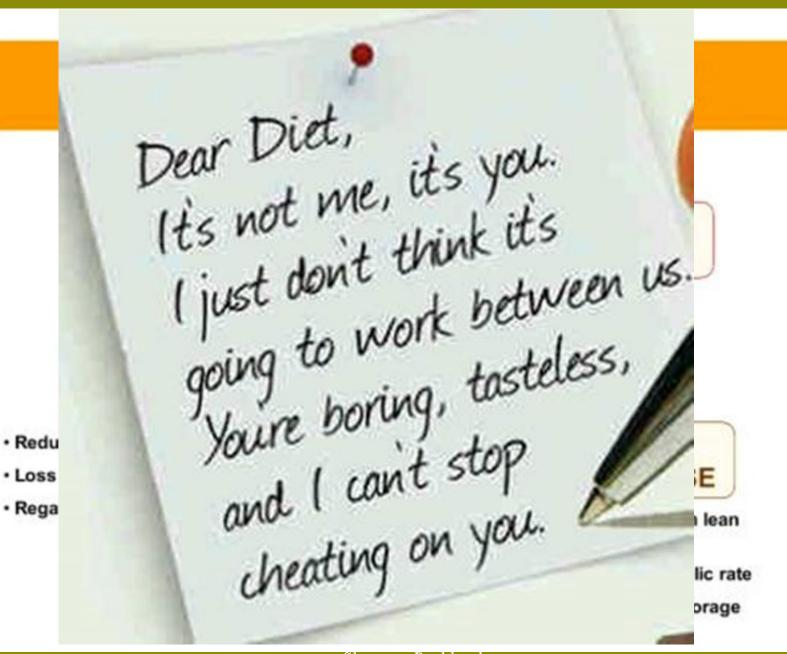




### What to do about all these diets??

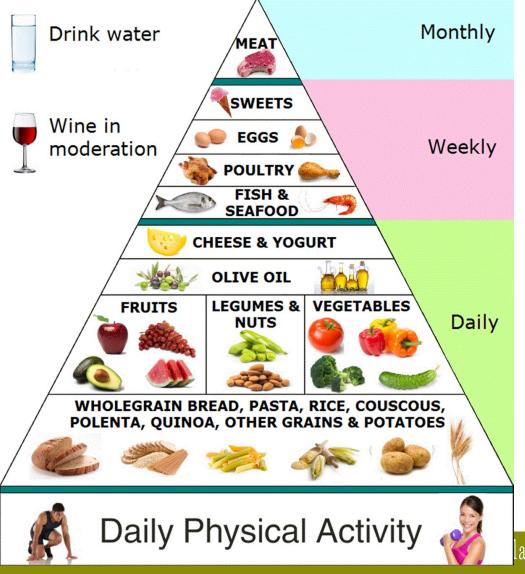








### **Mediterranean Diet**

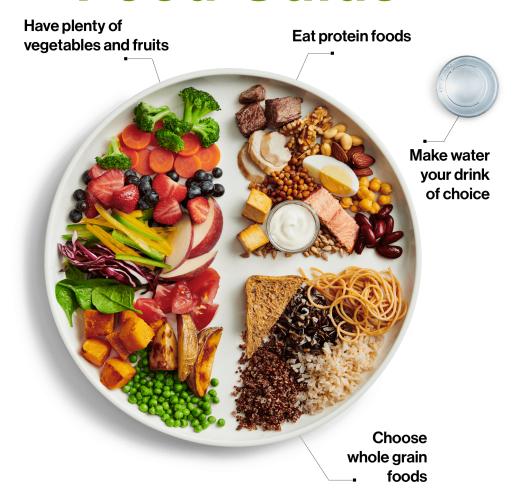


# Characteristics of the Mediterranean diet:

- High consumption of fruits and vegetables & legumes
- Healthy oils such as olive oil
- Limited consumption of meats and poultry
- Regular intake of fish and seafood
- Moderate intake of dairy products (mostly cheese and yogurt)
- Moderate consumption of wine at meals
- · Focus on physical activity



# Healthy eating wth Canada's Food Guide

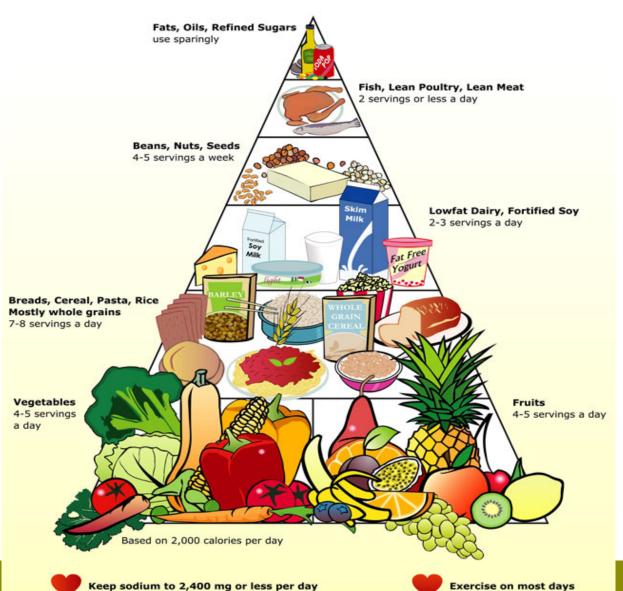




### DASH PYRAMID

**Dietary Approaches to Stop Hypertension** 











# So I'm Eating Healthy...

### Now, How do I Lose Weight?







# How Much Weight Should I Lose?

Healthy Weight: Is not always your desired weight...

#### **ASK YOURSELF?**

- Is your weight hindering you (physically, emotionally)
- 2. Is it causing health issues
- 3. Will your weight cause health issues in the future
- 4. When was the last time you felt good about your body

Be realistic...







Équipe de santé familiale Clarence-Rockland Family Health Team





# 🙀 Diet & Exercise: 3-5-10-20% weight loss?

- 90% of weight loss is food related...
- 10% exercise

Exercise helps to stay fit and healthy

### Recommendation:

- At least 30 minutes/day of moderate to high intensity (150 min/week)
- It can also be broken up throughout the day (10- 10-10 = 30 minutes)



### **Medication 5-10%**

### Options available on the market

- Orlistat- prevents fat absorption
- Saxenda (injectable medication) slows down digestion
  - reduction in appetite and food intake
- Contrave reduce hunger and helps to control cravings
  - \*\*\*Medications do not replace lifestyle, they work together to help promote weight loss



# **Bariatric Surgery – 20-35%**

- Invasive... removing part of the stomach
  - Reduction in appetite
  - Reduction in hunger hormones
  - Strict diet
  - Possible side effects: food preference, must take vitamins, dumping syndrome, no carbonated beverages, ...
  - Effective!

=Lifetime changes...





# Strategies to Adopt for Weight Loss...

 The following tips are adapted from the Wasting Away workshop by Helene Charlebois, RD

**Set Up For Success!** 

Ready? Set...GO!
Clean up your House
Set up for healthy choices







# **Choose the Proper Foods First**

Keep your Plate Balanced... at least 3 food groups per meal

### Include:

- 3 fruits per day
- 4 vegetables per day
- 3 dairy per day



Eat locally (farms)



# **MHOW Much Sugar is TOO MUCH**

### Intrinsic Vs Natural Vs Added

Intrinsic = naturally occurring in food

Natural = honey, maple syrup molasses, agave, ...

Added = natural or refined sugars added to packaged goods

### Effects on the body:

Sugars are digested so quickly in our bodies.

We then become hungrier sooner

10 % of your total calories...no more from added sugars

One Sweet App



# How much sugar can I eat?

### Total calories...

- 1500 kcal = 37.5 g of added sugars
- 1800 kcal = 45 g
- 2000 kcal = 50 g
- 2300 kcal = 57.5 g

### **Examples:**

- 1 small container activia yogurt = 13g
- 1 tbsp. jam = 15 g
- 1 can of Pepsi = 41 g

**Total = 88g** 

- 1 sweet and salty granola bar =12g
- ¾ cup Special K protein plus cereal = 7 g



### Whole Grains!

# Change is good! Stop eating processed white foods!

- If it taste different...It doesn't mean its bad... it takes time to get used to it
- Whole grains + 100% whole wheat + sprouted grains
- High fibre = feel fuller longer = eat less
- Low glycemic index = digested slowly... think of insulin
- At least 3g of fibre per portion





# No Starch at Supper!

- Bonus weight loss... less calories in the evening is very helpful for weight loss
- Eat your grains and starches at breakfast and lunch
- Replace the starch with a starchy vegetable: carrots, sweet potatoes, parsnip, rutabaga, turnip, beets, corn, peas, winter squash, legumes/lentils

Note: The starchy vegetable does replace the ½ plate of non starchy veggies



# Eat your Vegetables First

- Put vegetables 1<sup>st</sup> on the plate (think of buffet meals)
- Vegetables should account for ½ the plate
- Put meat 2<sup>nd</sup> and starches last...
- Avoid platters on the table as it is difficult to get away from the visual cue of eating
- Plate on Plate method : the smaller plate contains meat and starches



# **Eating Out**

### It's OK to eat out as long as you plan it!

- 1. Look at the menu online... find the nutrition information
- Make your meal choice at home... do not look at the menu
- 3. Be selective of your beverage
- 4. Opt out of the bread basket
- 5. Order 1 item at a time... often full after appetizer
- 6. Appetizer vs dessert vs alcohol/drinks
- 7. Portion distortion

### Stop eating when you are full





### **Snack Attacks!**

- Plan for your snacks before you starve
- Keep healthy snacks accessible... work desk, car, ready to eat in the fridge, purse...
- Include protein (5 g) and fiber (3 g)
- Limit :2 snacks per day... no more than 150 kcal each
- Don't eat 1hr before your next meal = Ruin your appetite

Too often the combination of snacks per day can be equivalent to a full meal or more



# **Journaling**

- Write it down before you eat it VS writing in your journal at the end of the day
  - Increases accountability and awareness
  - Be realistic... Be flexible

### Strategies for success...

- Only write down the vulnerable parts of your day...
  typically breakfast and lunch are OK... Only write in the
  journal for evening meals
- Don't forget your beverages... They might contain hidden calories

Paper or electronic... See example

Apps: MyFitnessPal, Lose It, Calorie Counter

#### WEEKLY FOOD JOURNAL – ARE MY MEALS BALANCED?



Meals w/ target calories	Monday	Tuesday	Wednesday	Thursday
Breakfast				
Protein/dairy				
Starch				
Fruit				
Beverage				
Morning snack				
Lunch				
Protein/dairy				
Starch				
Vegetables				
Beverage				
Afternoon snack				
Supper				
Protein/dairy				
Starch				
Vegetables				
Beverage				
Night snack				
OTHER REVERAGES				
OTHER DEVERAGES				
OTHER BEVERAGES				



# **Damage Control**

Avoid the guilty conscience... PLAN IT!

### Don't Get Angry... Get Even!

 For every "Cheat day", it takes 2 days of "revenge" (cut back)

We all cheat…

Plan it, cheat it, feel good and happy about it, move on...





"Double cheeseburger, large fries...
is that for here or the treadmill?"

#### **HOW PORTIONS HAVE GROWN OVER 20 YEARS**

Individual chicken pie

2013 240g



1993

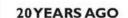






undation

### Portion Distortion



TODAY

DIFFERENCE





**257** MORE **CALORIES** 

333 Calories 590 Calories

Lifting weights for 1 HOUR AND 30 MINUTES burns approximately 257 calories\* \*Based on 130-pound person



500 Calories



350 MORE **CALORIES** 

Playing golf (while walking and carrying your clubs) for 1 HOUR burns approximately 350 calories\* \*Based on 160-pound person



and 3 small meatballs

500 Calories



2 cups spaghetti with sauce and 3 large meatballs

1,025 Calories

**525** MORE **CALORIES** 

Housecleaning for 2 HOURS AND 35 MINUTES burns approximately 525 calories\* \*Based on 130-pound person



TODAY

DIFFERENCE





Mocha Coffee, 16 oz (with steamed whole milk and mocha syrup)

**MORE CALORIES** 

milk and sugar) 45 Calories

350 Calories

Walking 1 HOUR AND 20 MINUTES burns approximately 305 calories\* \*Based on 130-pound person







4 oz **500 Calories** 

290 MORE **CALORIES** 

Vacuuming for 1 HOUR AND 30 MINUTES burns approximately 290 calories\* \*Based on 130-pound person







MORE CALORIES

55 Calories 275 Calories

Washing a car for 1 HOUR AND 15 MINUTES burns approximately 220 calories\* \*Based on 130-pound person





### DIETING

Willpower **Cultural Conformity** External Cues Weight Loss Avoidance Rigid Counting Calories Restrictive Deprivation Denial Quick Fix Fight Food Trap Enemy

### MINDFUL EATING

Trust Individual Empowerment Internal Cues Health Enhancement Acceptance Integration **Quality Calories** Flexible Satisfaction Permission Lifestyle Celebrate Food Liberate Ally www.eatg.com

# **What you must remember...**

- Managing your weight includes not only nutrition, but must also includes physical activity.
- Finding a balance 90/10 Or 80/20
- Moderation
- Aim to change lifestyles and not just weight loss
- You have to have self-confidence
- One change at a time



# What Works for You?



# **Questions?**





Équipe de santé familiale Clarence-Rockland Family Health Team