







Meet the Expert Panel

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Overview

Part 1

✓ The 4 Goals of the American Diabetes Association's Nutrition Therapy Recommendations

Part 2

- ✓ Stages of Change
- Motivational Interviewing
- ✓ AADE7 Self-Care Behaviors™

Part 1



Review

4 Types of Diabetes

- 1. Pre-diabetes
- 2. Gestational Diabetes
- 3. Type 1 diabetes
- 4. Type 2 diabetes

Carbohydrate Counting

- 1. What are carbohydrate foods?
- 2. How much is one choice?
- 3. How many choices to have at each meal and snack?

Outline

4 ADA Nutrition Recommendations

- 1. Eating patterns
- 2. Enjoy food
- 3. Individual needs
- 4. Tools and resources



Polling Question

The American Diabetes Association's nutrition recommendations highlight the:

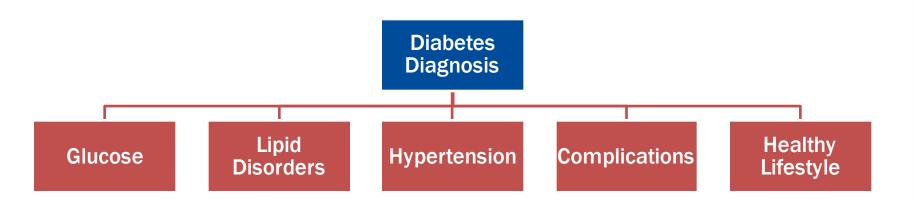
- a. Value of a Mediterranean-style diet
- b. Need to eat low glycemic index food
- c. Importance of a low-fat diet (<30%)
- d. All of the above

Answer is 'a'



ADA Nutrition Recommendations: Goal 1

- A. Promote and support healthful eating patterns, emphasizing a variety of nutrient-dense foods in appropriate portion sizes specifically to:
 - Attain individualized glycemic, blood pressure, and lipid goals
 - Achieve and maintain body weight goals
 - Delay or prevent complications of diabetes







Medical Nutrition Therapy (MNT): Impact on A1c

Hemoglobin A1c is a blood measurement that reflects the level of glucose in the blood over the past 2-3 months

MNT is effective in lowering A1c

Type 1: 0.3 - 1%

Type 2: 0.5 - 2 %

Evidence

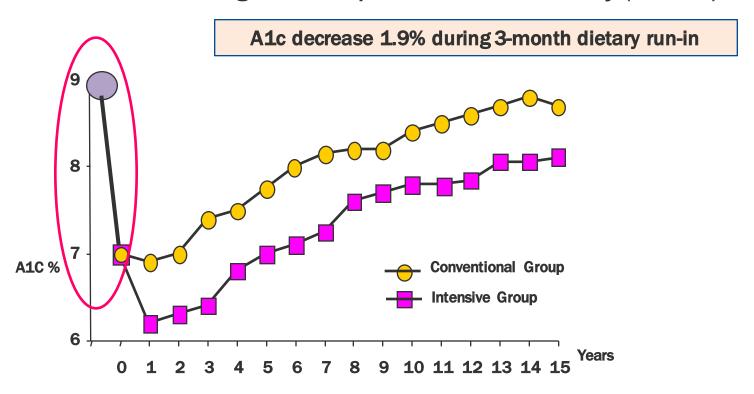
- ✓ The amount of carbohydrates and available insulin may be the most important factor influencing glycemic response after eating (A)
- ✓ Monitoring carbohydrate intake, whether by carbohydrate counting or experience-based estimation remains a key strategy in achieving glycemic control (B)





Effectiveness of Medical Nutrition Therapy

3,044 Newly Diagnosed Persons with Type 2 Diabetes in the United Kingdom Prospective Diabetes Study (UKPDS)



Prior to randomization - 3 month dietary run-in to study; monthly UKPDS clinic with dietitian and physician





What Does 'Monitor Carbohydrate Intake' Mean?

- ✓ Space carbohydrate intake over the day (portion control)
- ✓ Avoid excessive carbohydrate at any one meal
- ✓ Check blood glucose to assess

Individualize food plan. Example of carbohydrate grams per meal 0-30 grams of carbohydrate at snacks			
(IDC)	Lose Weight	Maintain Weight	Very Active
Women	30-45g	45-60g	60-75g
Men	45-60g	60-75g	60-90g





ADA Nutrition Recommendations: Goal 1 (cont.)

B. Focus on dietary patterns rather than individual nutrients

- ✓ Fresh fruits and vegetables, whole grains, low fat dairy products (milk and yogurt), legumes, poultry, fish, non-tropical vegetable oils and nuts
- ✓ Limit sweets, sugar-sweetened beverages, red meat
- Discuss food preparation and menus

Evidence

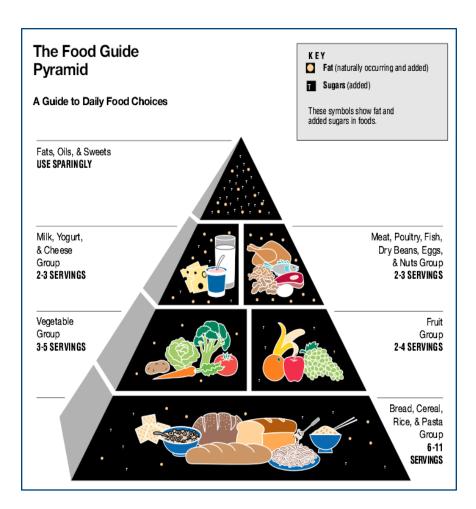
An eating plan emphasizing elements of a Mediterranean-style diet rich in monounsaturated fats may improve glucose metabolism and lower CVD risk and can be an effective alternative to a low-fat, high-carb diet. (B)

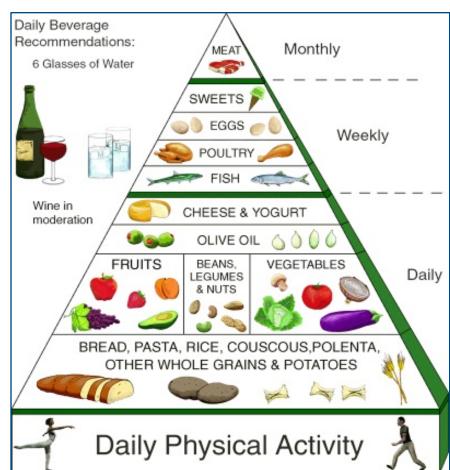
Food intake is a critical component of diabetes treatment.





Particular Emphasis On Mediterranean-Style Diet









ADA Nutrition Recommendations: Goal 2

Maintain the pleasure of eating by providing positive messages about food choices while limiting food choices only when indicated by scientific evidence.

- ✓ Food is social, it is a sign of friendship, caring, and love.
- Food is important at holidays and other special days
- ✓ Rather than saying 'do not eat' provide specifics of what to eat; find ways to include favorite foods
- Review current eating habits and relate how it fits diabetes food plan; discuss additional meals, recipes, food preparation

Be positive talking about food. Food should be enjoyed.





ADA Nutrition Recommendations: Goal 3

Address individual nutrition needs based on personal and cultural preferences, health literacy and numeracy, access to healthful food choices, willingness and ability to make behavioral changes, as well as barriers to change

- ✓ There is not a standard diabetes meal plan
- ✓ Each individual needs to understand their meal and be able to apply it every day
- The food plan needs to include foods the individual can buy and cook
- ✓ It is not easy to change eating behaviors, address barriers and provide support

Food plan should be easy to implement.



Create a Positive Learning Environment

1. Focus on how person with diabetes currently eats

2. Be patient-centered

- Engage the person with diabetes in decisions
- Ask questions to help understand the best first step.
- ✓ Individualize based on medical, nutritional, educational and psychosocial needs, etc.

3. Assess nutrition needs

- ✓ Assess eating habits and factors that affect food choices
- Evaluate learning needs and ability to make food changes and other individual needs



Questions to Guide the Conversation

- 1. How is diabetes affecting your daily life and that of your family?
- 2. What questions do you have?
- 3. What is the hardest part right now about your diabetes/causing you the most concern?
- 4. How can we best help you?
- 5. What is one thing you are doing or can do to better manage your diabetes?



Address Individual Nutrition Needs

Diabetes Diagnosis

Nutrition Assessment

Stage of Change Usual Intake / Access to Food Cultural preferences

Personal Goal(s) Literacy and Numeracy Skills Cognitive Skills

Financial Concerns Weight Concerns Support Needs

Glucose

Type of fat intake

↑ Monounsat/poly

Total fat intake

Lipid

Disorders

Hypertension

Complications

Small/freq meals

Protein < 0.8g/kg/d

Gastroparesis

Nephropathy

↓ phosphorus

Healthy

- Portion control
- Carb counting
- Insulin to carb ratio
- After-meal glucose
- •Glycemic index
- •Weight decrease of 5-10%
- •Fiber
- Weight decrease of 5-10%
- Fish twice a week
- Mediterranean diet

- •DASH diet
- Reduce sodium
 - < 2300mg/day 1500 mg/day
- Limit alcohol
- •Weight decrease of 5-10%
- ⊥ sodium

- Lifestyle
- Regular activity, aerobic/resistance ↓ fiber/fat ↑ liquids
 - Healthy eating pattern
 - •Eat regularly (3 meals)
 - Sensible snacking
 - Mindful eating
 - Avoid sugar beverages
 - Stress reduction

Franz et al. J AM Diet Assoc 110: 1852-1889, 2010 AHA 2010 Dietary Recommendations and 2010

ADA Nutrition Recommendations Position Statement Diab Care 2013

Polling Question

Selecting a diabetes food plan includes:

- a. Being aware of cognitive overload
- b. Assessing literacy and numeracy
- c. Asking open ended questions
- d. All of the above

Answer is 'd'



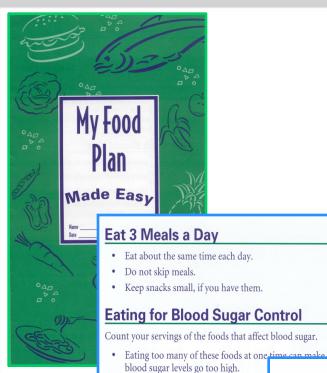
ADA Nutrition Recommendations: Goal 4

To provide the person with diabetes <u>practical tools</u> for day-to-day meal planning rather than focusing on individual macro/micronutrients, or singe foods

- Carbohydrate counting: basic or advanced, count carbohydrate choices or grams of carbohydrate
- ✓ Plate method that shows typical portion sizes
- ✓ Sample menus for a day, a week or month
- ✓ Recipes that maintain flavor and are easy to prepare
- ✓ Behavior change planning ahead, looking at the whole meal

Provide the right intervention and support

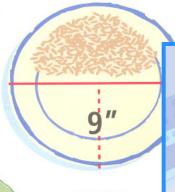




Half Plate

For people who:

- Are active
- Are younger
- · Want to stay at the same weight



Healthy Eating

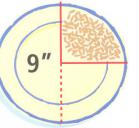
for People with **Diabetes**





For people who:

- · Are less active
- Are older
- · Need to eat less calories





At meals, keep rice, beans, pasta, and starchy vegetables to one fourth of a plate.

ite.

bean

How Much is Right for Mo At each meal or snack, choose this many se Fruits Grains Snac

Protein

Evening meal: Snac One Serving Is:

• Not eating enough of these foods can

levels go too low.

Breakfast:

Lunch:



1 small 1 slice apple bread starchy food (rice, potatoes)

1 cup milk

Snac

1 oz candy bar

20

betes Center Park Nicollet





Practical Tools

















Summary: ADA 4 Nutrition Goals





















Promote a healthful eating pattern emphasizing variety and appropriate portion sizes

Address individual nutrition needs based on personal and cultural preferences, literacy, ability and willingness

Maintain the pleasure of eating by providing positive message and not limiting unless scientific evidence

Provide practical tools for day to day meal planning rather than macro-nutrients

Assess and revise based on clinical, educational and psychosocial needs and outcomes

Part 2



Objectives

- Summarize 6 techniques of motivational interviewing to facilitate behavior change and help individuals improve food choices
- Match behavior change strategies to an individuals' readiness to change



Outline

- ✓ Stages of Change
- ✓ Motivational Interviewing
- ✓ AADE7 Self-Care Behaviors TM





3. Preparation



Poll Question

During an initial counseling session, in which of the following stages of change is a new client most likely to be?

- a. Contemplation
- b. Action
- c. Maintenance
- d. Termination

ANSWER: A



1. Pre-contemplation:

- ✓ Not intending to change
- ✓ Unaware of problems



"My whole family has diabetes"

How to help:

✓ Provide health information on benefits

Goal

✓ Get patient to consider they have a problem





2. Contemplation:

- ✓ Aware of the problem but no commitment to take action
- ✓ Intending to change in the foreseeable future

How to help:

✓ Evaluate pros and cons



"I need to do something about this blood sugar"

Goal

✓ Raise awareness of problem by observation of behavior





3. Preparation

- ✓ Patient intends to change and makes small behavioral changes
- ✓ Intending to change in the immediate future

How to help:

- ✓ Set Realistic Goals
- ✓ Demonstration
- √ Teach skills



"Do you have sample menus I can follow?"

Goal

✓ Encourage behavioral change and support change process



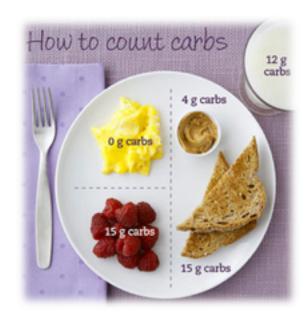


4. Action

✓ Recently changed

How to help:

- ✓ Help manage temptations
- √ Help remember the benefits



"I'm counting carbohydrates at each meal and staying within budget"

Goal

√ Reinforce changes, provide support and guidance



5. Maintenance

√ Has maintained change for six months or longer

How to help:

- √ Help manage temptations
- ✓ Help remember the benefits



"The plan is going well"

Goal

√Support continued change and help with relapse prevention





Relapse:

During the change process, most people will experience

relapse

How to help:

- ✓ Review progress up to the relapse
- ✓ Identify strength and weakness



"I'm so frustrated with myself that I got off track"

Goal

Change thinking about relapse. It is inevitable and normal



6 Question Behavior Change Tool

Pre-contemplation

 I do not plan to make changes in my diabetes diet in the next 6 months

Contemplation

 I do plan to make changes in my diabetes diet in the next 6 months

Preparation

 I do plan to make changes in my diabetes diet in the next month

Action

 I have already made positive changes in my diabetes diet for at least the last 6 months

Maintenance

I have followed my diabetes diet for more than 6 months

Relapse

 I have followed my diabetes diet for more than 6 months, but then stopped following it



Practice Pearls

✓ Most patients are in pre-contemplation or contemplation when they seek dietary counsel

✓ If you wrongly assume patients have reached a later threshold, you can overwhelm patient

Slides will be available after the webinar

Motivational Interviewing



Motivational Interviewing

What it is

 Person-centered, directive method for enhancing intrinsic motivation to change by exploring and resolving ambivalence

Skills and Principles

- ✓ Open Ended Questions
- ✓ Express Empathy
- ✓ Develop Discrepancy
- ✓ Roll with Resistance
- ✓ Ask Permission
- ✓ Support Self Efficacy





Poll Question

Which of the following is an open-ended question that is useful in motivational interviewing?

- a. "How are you today?"
- b. "What would you like to talk about today?"
- c. "How would this change make your life better?"
- d. "How often do you do that?"

ANSWER: C



Skills and Principles of Motivational Interviewing

✓ Ask Open-ended Questions

"What is your reason for wanting to lose weight?"

Express Empathy

"When you say that food was always used as a reward growing up, I can understand how that is a difficult connection to break."



Skills and Principles of Motivational Interviewing

Develop Discrepancy

"I hear you say that you struggle cutting back your intake yet you know this weight gain has taken a toll on your energy and you really miss being on the tennis court."

✓ Support Self-efficacy

"The skills you use to be successful in your career are skills needed in weight management so you are ahead of most trying to lose weight."



Skills and Principles of Motivational Interviewing

✓ Roll with Resistance:

- Adjust to patients resistance rather than opposing it.

"But the only foods I like are fried."

"And we can keep fried foods in your diet and still be successful."

Ask Permission

"I have a tool that can assist with mindful eating, would you like to discuss it?"

Slides will be available after the webinar AADE7 Self-Care Behaviors™



AADE7 Self-Care Behaviors™

"AADE believes that behavior change can be most effectively achieved using the AADE7 Self-Care Behaviors™ framework"

- Healthy eating
- Being active
- Monitoring
- Taking medication
- Problem solving
- Reducing risks
- Healthy coping







Strategies for Changing Eating Behavior

- 1. Don't give up favorite foods
- 2. Use your carbs wisely
- 3. Make small gradual changes
- 4. Forget the "all or nothing" mentality





Strategy #1: Don't Give Up Favorite Foods

"I love eating muffins for breakfast."

How to help:

✓ "You can still enjoy a muffin with your breakfast".

Goal:

Stay within carbohydrate allowance at each meal





Strategy #2: Choose your carbs wisely

How to Help:

- ✓ Make half of all grains consumed be whole grains
- ✓ Shift from refined to whole grain versions of commonly consumed foods

Read labels:

- ✓ Look for the words "whole grain" on ingredient lists
- ✓ Look for the whole grain stamp
- ✓ Seek at least 8 g/serving

Whole Grain:

Ingredients: Whole Grain Oats Corn Starch, Sugar, Salt, Tripotaesium Phosphate. Vitamin E (mixed tocopherols) Added to Preserve Freshness.

Vitamins and Minerals: Calcium
Carbonate, Iron and Zinc (mineral nutrients).
Vitamin C (sodium ascorbate), A B Vitamin
(niacinamide), Vitamin B₆ (pyridoxine
hydrochloride), Vitamin A (palmitate),
Vitamin B₁ (thiamin mononitrate), A B
Vitamin (folic acid), Vitamin B₁₂, Vitamin D₃.

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Not Whole Grain:

- Wheat flour
- Multi-grain flour
- Enriched flour
- Unbleached flour



Strategy #3: Make Small Gradual Changes

How to help:

- Practice portion control
- Monitor frequency

Goal:

✓ Spread carbohydrate throughout the day

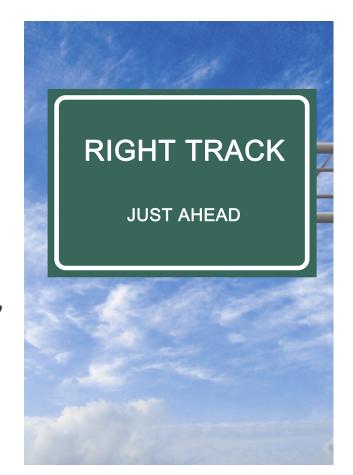




Strategy #4: Forget the "all or nothing" mentality

How to help:

- ✓ Help client put a dietary indiscretion into proper perspective
- ✓ Remind client that it is about persistence, not perfection





Final Thoughts

- Develop skill to ascertain each patient's stage of change and tailor approaches to the particular stages
- ✓ Empower people with diabetes to make sustainable changes through motivational interviewing and the American Association of Diabetes Educators Seven (AADE7) Diabetes Selfmanagement Factors



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