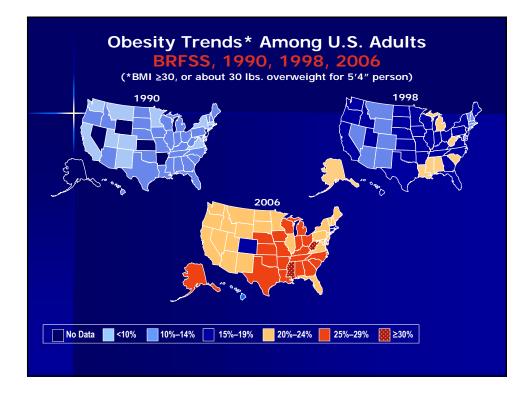
Frustrated with Obesity Management? 5210 Toolkit to the Rescue!

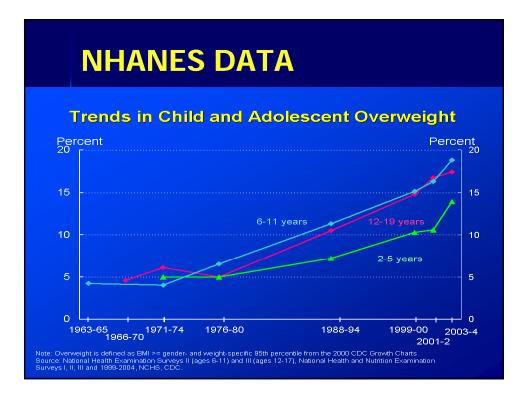
Jamie Jeffrey, MD, FAAP Medical Director, Children's Medicine Center &

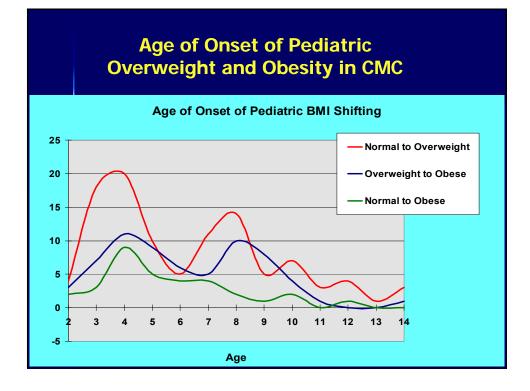
HealthyKids Pediatric Weight Management Program Clinical Associate Professor, WVU-Charleston Project Director, KEYS 4 HealthyKids

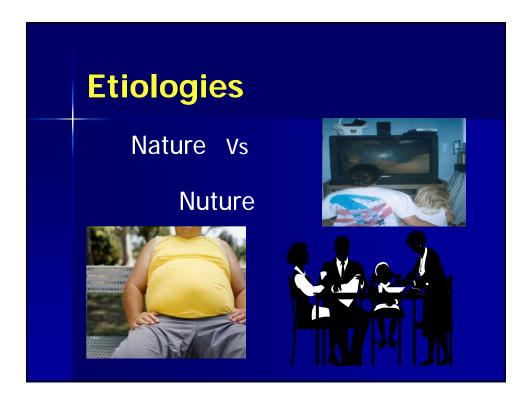
Objectives

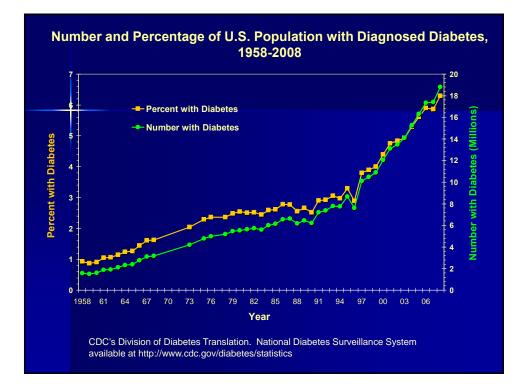
- Pediatric Policy Guidelines for Prevention and Treatment of Pediatric Overweight/Obesity
- 2. 5210 Toolkit
- 3. Introduction to Motivational Interviewing

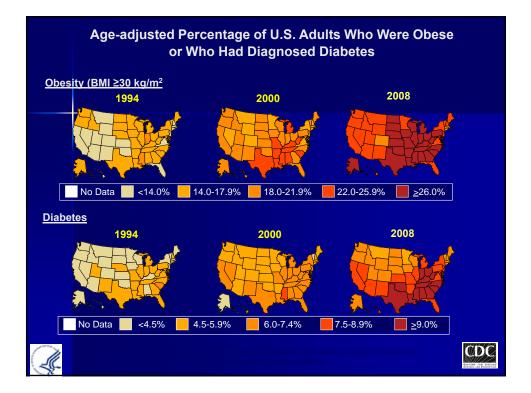


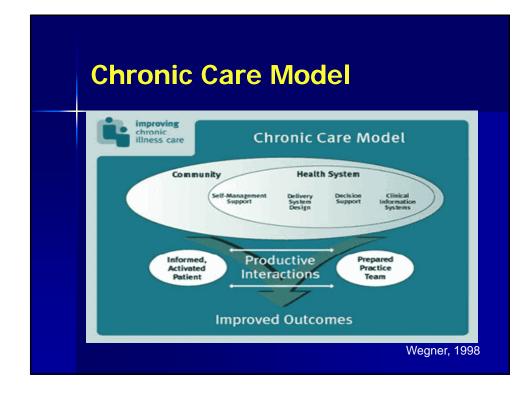


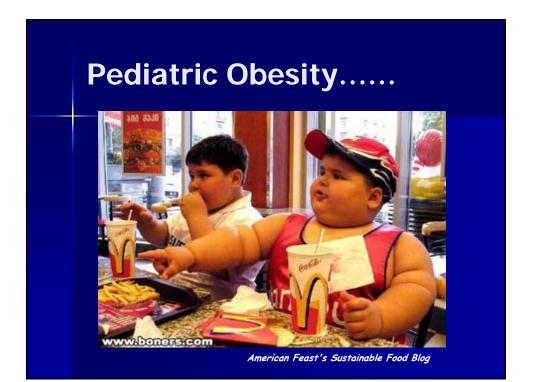












....is a chronic health disease

- Diabetes
- Hypertension
- Dyslipidemia
- Coronary Heart Disease
- Stroke
- Sleep Apnea
- Gallbladder Disease
- Osteoarthritis

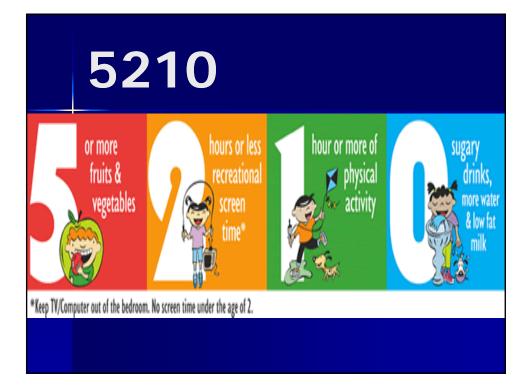
Expert Committee Guidelines (June, 2007)



Maine "Keep ME Healthy"







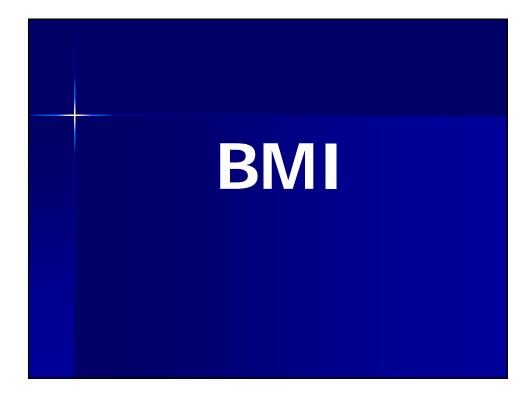


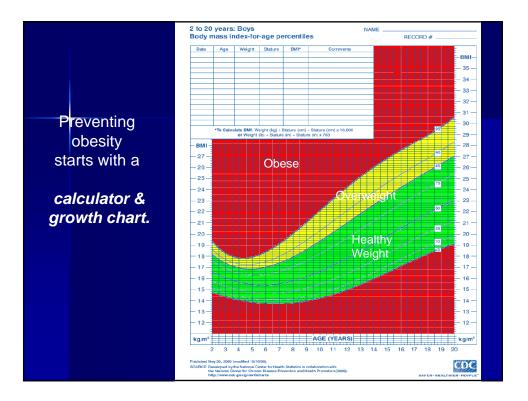


- 5 Eat at least 5 servings of fruits and vegetables daily
- 2 Limit screen time to <2 hours/day</p>
- I Get 1 hour or more of physical activity daily
- O "Zero" sugar sweetened drinks

UNIVERSAL ASSESSMENT OF OBESITY RISK

- Identification: Calculate and plot BMI at every well child visit
- Assessment: Identify medical risk, problem behaviors, and attitudes about healthy lifestyle
- Prevention: Make a plan based on patients motivation, BMI category and risk factors

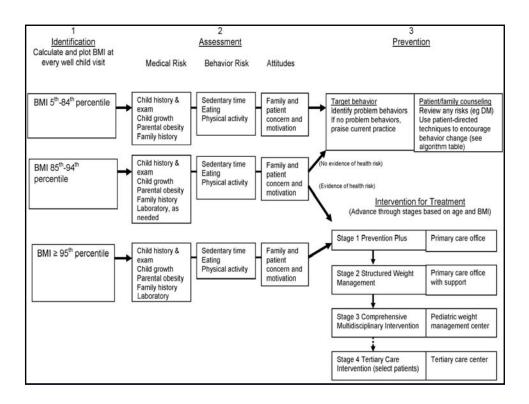


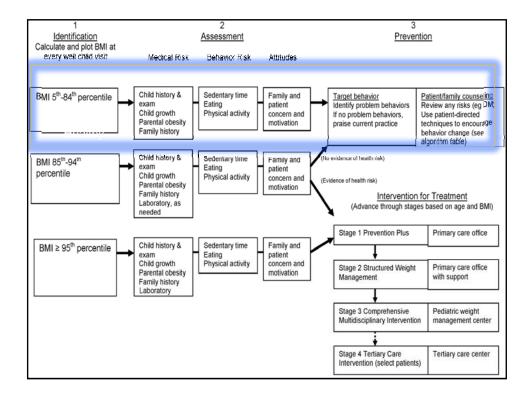


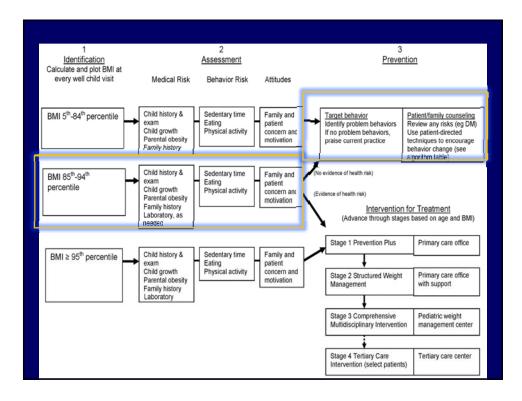
BASIC DEFINITIONS

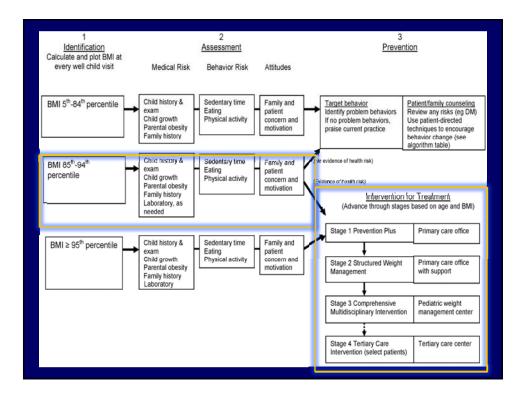
- Body Mass Index (BMI) = Weight (kg)/Height (m)²
- BMI <5th %ile Underweight
- BMI 5-84th %ile Healthy Weight
- BMI 85-95th %ile, Overweight
- BMI >95th %ile or older adolescents with BMI > 30 kg/m2, Obese

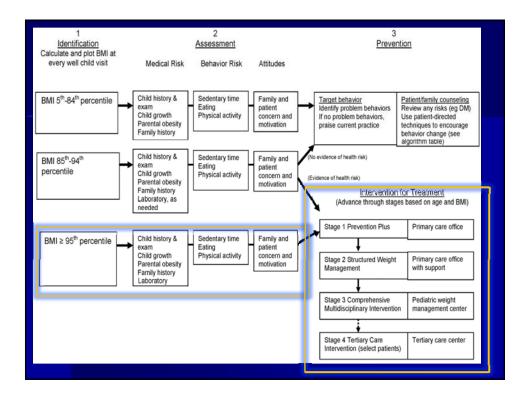






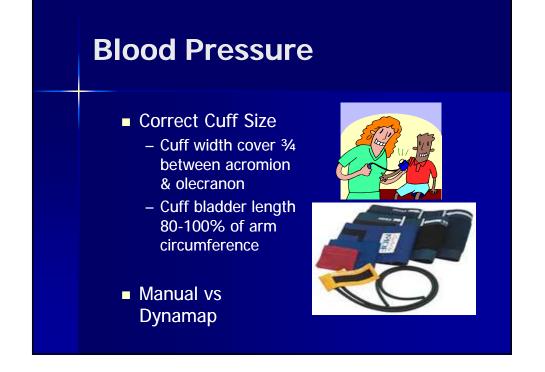


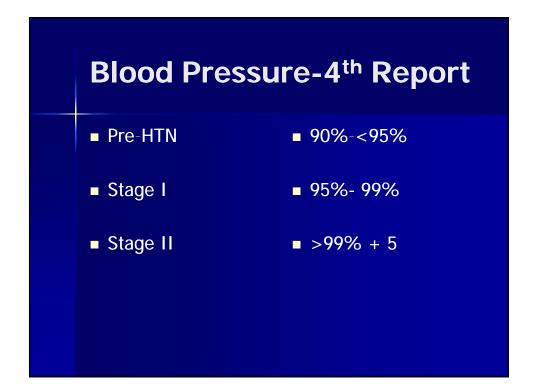


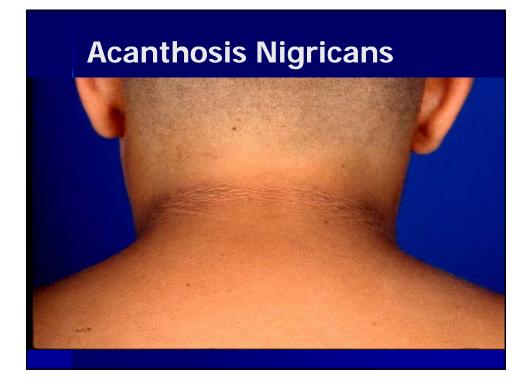


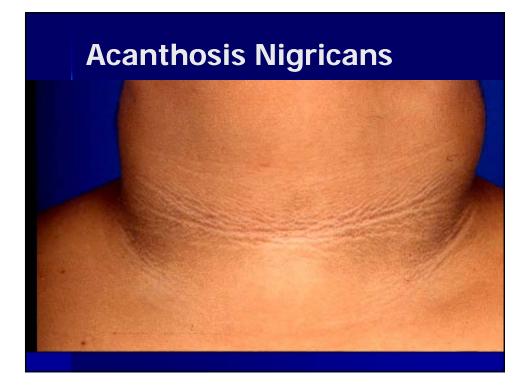
MEDICAL SCREENING BY BMI

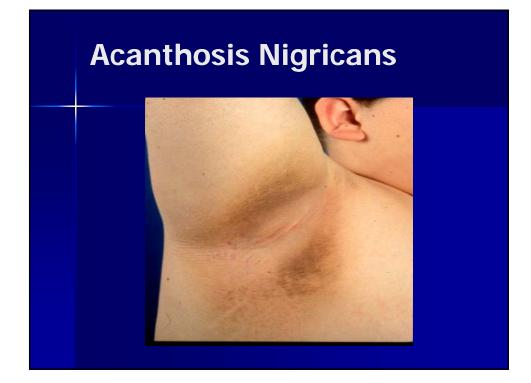
| BMI | | Review of | Family | Physical | Laboratory Tests |
|------------------------------------|-----|--|-------------|--|---|
| Percent | le | Systems | History | Examination | |
| 5 th -84 th | | | Obesity, | BP (correct cuff) | |
| Normal | | | DM-2, HTN, | | |
| Weight | | | Lipids, CAD | | |
| 85 th - 94 ^t | h | Snoring/sleep | Same as | BP, acanthosis | Fasting Lipid Profile (FLP) |
| Overwei | ght | abdominal pain; menstrual irregularities; hip, knee, leg pain; polyuria; thirst; depression | above | nigricans, tonsils, goiter, tender abdomen, liver, bowing of legs, limited hip ROM, optic discs, acne, hirsutism | If other risk factors fasting glucose, ALT, AST every 2 years |
| 95 th - 99 ^t | h | Same as above | Same as | Same as above | FLP, Fasting glucose, ALT, |
| Obese | | | above | | AST every 2 years |

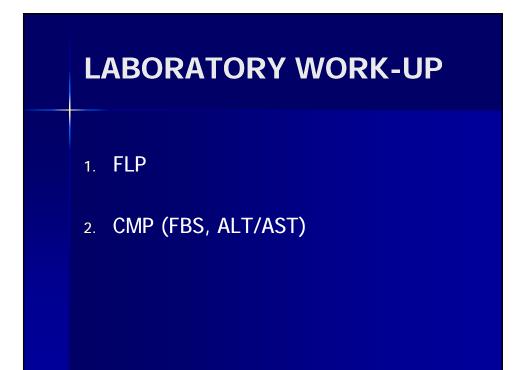












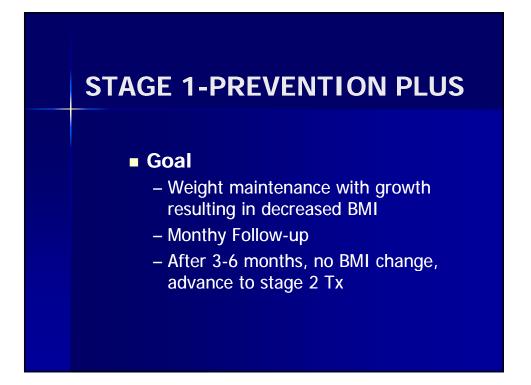
STAGE 1-PREVENTION PLUS

Dietary Habits & Physical Activity

- Review 5 2 1 0

Behavioral Counseling

- Eating breakfast daily
- Limiting meals outside the home
- Family meals 5-6 times a week
- Allow child to self regulate at meals
- without overly restrictive behavior



STAGE 2 STRUCTURED WEIGHT MANAGEMENT

Dietary Habits and Physical Activity

- Plan for balanced diet, emphasizing low amounts of energy dense foods.
- Increased structured daily meals and snacks
- Supervised active play at least 60 min/day
- Screen time 1 hour or less a day
- Increased monitoring by provider, patient and/or family

STAGE 2 STRUCTURED WEIGHT MANAGEMENT

Goal:

- Weight Maintenance with decreasing BMI
- Weight loss not to exceed 1 lb/mo in ages 2-12
- Average weight loss of 2 lb/week in older children and adolescents
- Monthly Follow-up
- If no BMI improvement, advance Stage 3

STAGE 3 MULTIDISCIPLINARY INTERVENTION

Dietary habits and physical activity

– Same as stage 2.

Behavioral Counseling

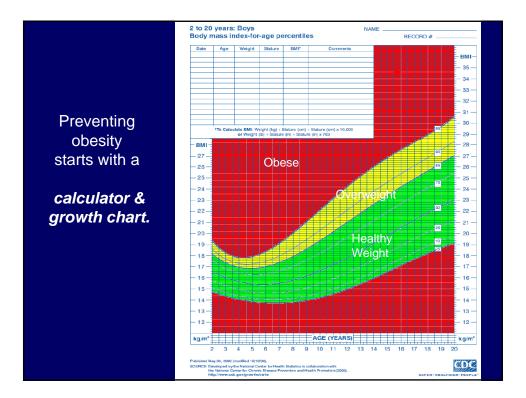
- Structured behavioral modification program with food and activity monitoring. Short term diet and activity goals.
- Involvement of families for behavioral modification in children < 12 years and training of families for all children.

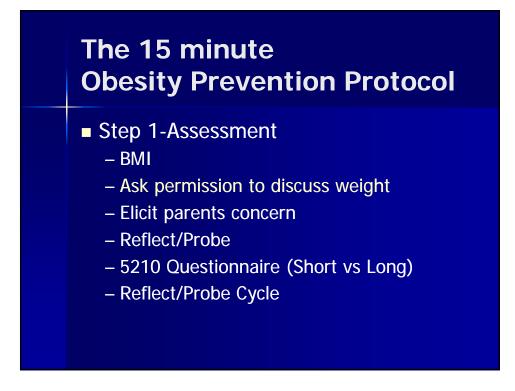
Goals

- Weight maintenance or gradual weight loss until BMI <85th %
- Not to exceed 1lb/month in 2-5 year olds
- 2 lbs/week children >5 years old.

STAGE 4 TERTIARY CARE INTERVENTION

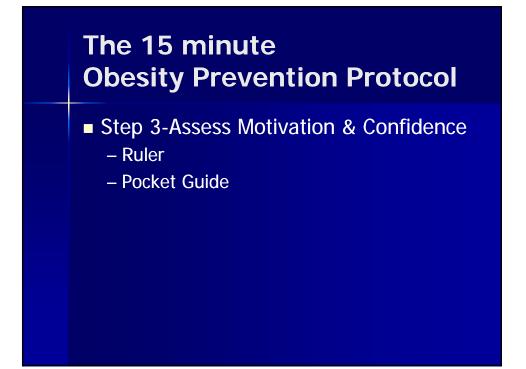
- Hospital setting with expertise in childhood obesity
- Multidisciplinary team under designated protocol
 - Includes meal replacement, VLCD, meds & surgery
- Recommended for BMI > 95% & significant comorbidities unsuccessful with stages 1-3 and BMI>99% who have shown no





The 15 minute Obesity Prevention Protocol

- Step 2- Agenda Setting
 - Target behavior willing to change
 - 5210 with Goal
 - Goal Trackers



The 15 minute Obesity Prevention Protocol

Step 4-Summarize and Clarify Goal

The 15 minute Obesity Prevention Protocol

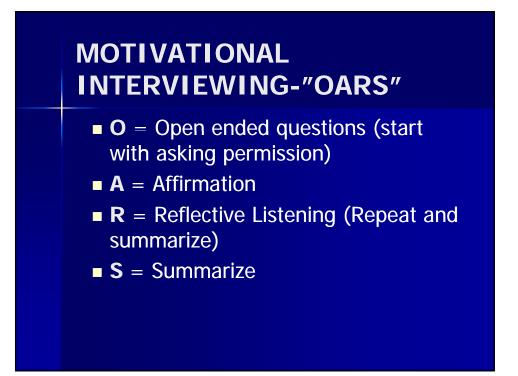
- Schedule Follow-up Office Visit
 - F/U 1-3 months depending on level of commitment
 - Remember Chronic Care Model

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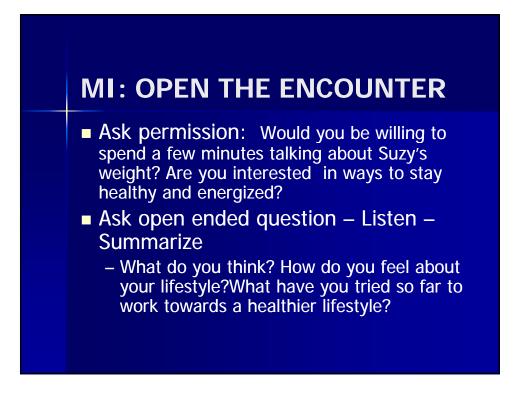


MOTIVATIONAL INTERVIEWING

- Patient centered care approach
- Nonjudgmental, empathetic and encouraging
- Behavior change influenced more by motivation than by information.
- Core principle: People are more likely to accept and act on opinions that they voice themselves.





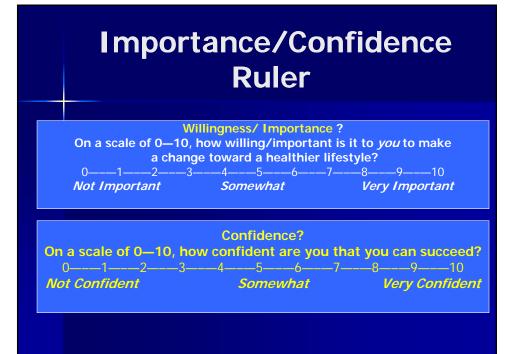


MI Continued

- Share BMI/Weight Information
 - Your current weight puts you at risk for developing heart disease and diabetes. Your BMI is 95nd percentile, the recommended level for your age <85th.
 - Ask for patient's interpretation, what do you make of this?
 - Add your own interpretation/advice as needed after eliciting the response of the patient/parent.

MI: NEGOTIATE THE AGENDA

- Some ideas for staying healthy include...
- What are your ideas for working toward a healthy weight?
- Introduce 5 2 1 0 and ask if the patient is interested in discussing one of these further, ask if they have other



MI: ASSESS READINESS & TAILOR THE INTERVENTION

| Stage of Readiness | Key Questions | | |
|-----------------------|---|--|--|
| Not ready 0—3 | -Would you be interested in knowing more about ways to stay | | |
| *Raise awareness | healthy? | | |
| *Elicit "change talk" | -How can I help? | | |
| *Advise and | -What might need to be different for you to consider a change | | |
| Encourage | in the future? | | |
| | | | |
| Unsure 4—6 | -Where does that leave you now? | | |
| *Evaluate | -What do you see as your next step? | | |
| Ambivalence | -What are you thinking/feeling at this point? | | |
| *Elicit "change talk" | -Where does fit into your future? | | |
| *Build readiness | | | |
| Ready 7—10 | -Why is this important to you now? | | |
| *Strengthen | -What are your ideas for making this work? | | |
| commitment | -What might get in the way? How might you work around | | |
| *Elicit "change talk" | these barriers? | | |

EXPLORE AMBIVALENCE

- Step 1: Ask a pair of questions to help patient explore the pros and cons.
 - What are the advantages of keeping things the same? AND What are the advantages of making a change?

EXPLORE AMBIVALENCE

Step 2: Summarize ambivalence

-Let me see if I understand what you've told me so far... (start with reasons for maintaining status quo end with reasons to make a change)

CLOSE THE ENCOUNTER

- Summarize: Our time is almost up, let's review what you have worked on today.
- Show appreciation for willingness to discuss change.
- Offer advise, emphasize choices, express confidence



HealthyKids Team



Pediatrician



Nurse Educator



Dietician



Exercise Physiologist



Psychologist



PAC