Weight Management in Children and Adolescents Screening and Intervention Guideline

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Guidelines are systematically developed statements to assist patients and providers in choosing appropriate health care for specific clinical conditions. While guidelines are useful aids to assist providers in determining appropriate practices for many patients with specific clinical problems or prevention issues, guidelines are not meant to replace the clinical judgment of the individual provider or establish a standard of care. The recommendations contained in the guidelines may not be appropriate for use in all circumstances. The inclusion of a recommendation in a guideline does not imply coverage. A decision to adopt any particular recommendation must be made by the provider in light of the circumstances presented by the individual patient.
Prevention

The following recommendations for prevention of overweight and obesity in children and adolescents are adapted from the 2010 Scottish Intercollegiate Guidelines Network (SIGN) guideline on managing obesity.

Information on nutrition, healthy eating behaviors, and physical activity are also available in patient-education format. See Parenting Your Child.

Nutrition

Birth to 6 months
- Breastfeeding is recommended for all infants, until at least 6 months of age. If possible, continue until baby is at least 12 months old. (If breast milk is not possible, use formula with iron.)
- Between 4 and 6 months of age, complementary foods become necessary to support growth, satisfy hunger, and supplement energy and nutrient needs.
- Solid foods should focus on fruits, vegetables, and iron-rich foods. Introduce lean meats, beans, and legumes at 6 months.

6 to 12 months
- A serving size is the size of the child’s fist; allow the child to decide how much of a food to eat.
- Consider introducing healthy finger foods around 8 months.
- Emphasize fruits, vegetables, lean meats, and low-fat dairy products (yogurt and cheese).
- Limit juice and other sweetened beverages, and encourage plain, unsweetened water to satisfy thirst.

1 to 3 years
- A serving size is the size of the child’s fist.
- Allow the child to decide how much of a food to eat; parents decide when, where, and what to feed.
- Allow the child to decide if he/she is hungry and how much to eat at mealtime. Do not “bribe” or push more foods than the child wants.
- Children need 3 meals a day, with 1–2 snacks in between.
- Children aged 12–24 months may be given whole milk or low-fat milk, depending on their growth rate and other dietary intake.
- Children older than 2 years do not need whole milk; they should be given skim or low-fat milk (1% or 2%).
- Focus on fruits, vegetables, lean meats, and low-fat dairy products (cheese and yogurt).
- Limit foods with high fat or sugar content, including fried foods, fast food, and processed foods.
- Limit juice, sports drinks, soda, and other sweetened beverages. Drink water to satisfy thirst.

4 to 17 years
- Stress the importance of fruits and vegetables at every meal.
- Encourage breakfast daily.
- Limit snacking during the day, especially with processed foods. Encourage set times for healthy snacks to discourage grazing.
- Limit juice, sports drinks, soda, and other sweetened beverages. Drink water to satisfy thirst.
- Focus on fruits, vegetables, whole grains, lean meats, and low-fat cheeses and yogurt.
- Limit foods with high fat or sugar content, including fried foods, fast food, and processed foods.
- If dessert is offered, make it a normal ending to the meal. Do not bribe or reward the child for cleaning his/her plate.

Healthy eating behaviors
- Eat regular family meals, including breakfast, without distractions (e.g., television) when possible.
- Limit meals eaten outside the home, especially those at fast-food restaurants. When eating out, include fruit and vegetable options.
Physical activity

- Engage in 30–60 minutes of moderate- to vigorous-intensity physical activity most days per week, starting at age 6.
- For children aged 5 and younger, encourage several periods of active play per day.
- Develop a routine or planned time for active play every day, such as an after-school activity or play before starting homework.
- Limit sedentary time (e.g., time spent using computer, playing video games, watching television).

Screening

The U.S. Preventive Services Task Force (USPSTF) recommends that clinicians screen children aged 6 years and older for obesity.

Measure height and weight, and calculate BMI percentile at the following frequency:

- Every visit in primary and consultative care.
- Every hospital admission.

The Centers for Disease Control and Prevention (CDC) website has a BMI percentile calculator for children and teens aged 2–19 (http://nccd.cdc.gov/dnpabmi/calculator.aspx). The calculator provides BMI and the corresponding BMI-for-age percentile for girls and for boys.

There is insufficient evidence regarding the utility of measuring waist circumference among children and adolescents to predict future health risks.

Diagnosis

Table 1. Child and adolescent classification of weight by BMI percentile

<table>
<thead>
<tr>
<th>Clinical classification</th>
<th>BMI percentile</th>
</tr>
</thead>
<tbody>
<tr>
<td>Healthy weight</td>
<td>5th–84th percentile</td>
</tr>
<tr>
<td>Overweight</td>
<td>85th–94th percentile</td>
</tr>
<tr>
<td>Obese</td>
<td>At or above 95th percentile</td>
</tr>
</tbody>
</table>

1 The BMI percentile indicates the relative position of the child's BMI number among children of the same age and gender.

There are no routine lab tests recommended for diagnosing obesity. The vast majority of overweight and obesity is due to energy imbalance.

It is common for patients and their families to seek out other medical reasons that can occasionally factor in to becoming overweight. We do not recommend routinely testing for such reasons, but we do recommend a complete history and physical exam for any overweight or obese patient, including further evaluation for contributing causes as needed.

Contributing causes of overweight and obesity include psychosocial factors (e.g., depression and abuse). Rare causes of weight gain include neuroendocrine disorders (e.g., hypothyroidism, Cushing’s syndrome, hypogonadism, and growth hormone deficiency) and genetic disorders (e.g., Prader-Willi syndrome, Aistrom-Hallgren syndrome, and Carpenter syndrome).
Interventions

Goals
The primary goal of any intervention is behavior change that results in healthy eating and regular physical activity.

<table>
<thead>
<tr>
<th>Age</th>
<th>BMI percentile</th>
<th>Comorbidity</th>
<th>Weight goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under 2 years</td>
<td>Current evidence does not suggest any intervention for this age group</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2–5 years</td>
<td>85th–94th</td>
<td>No</td>
<td>Prolonged weight maintenance</td>
</tr>
<tr>
<td></td>
<td>95th and higher</td>
<td>No</td>
<td>Shared decision making—prolonged weight maintenance or weight loss</td>
</tr>
<tr>
<td></td>
<td>95th and higher</td>
<td>Yes</td>
<td>Weight loss</td>
</tr>
<tr>
<td>6–17 years</td>
<td>85th–94th</td>
<td>No</td>
<td>Shared decision making—prolonged weight maintenance or weight loss</td>
</tr>
<tr>
<td></td>
<td>95th and higher</td>
<td>No</td>
<td>Weight loss</td>
</tr>
<tr>
<td></td>
<td>95th and higher</td>
<td>Yes</td>
<td>Weight loss</td>
</tr>
</tbody>
</table>

1 The BMI percentile indicates the relative position of the child’s BMI number among children of the same age and gender.
2 Comorbidities include mild hypertension, dyslipidemias, insulin resistance, pseudotumor cerebri, sleep apnea, obesity hypoventilation syndrome, fatty liver, and orthopedic problems.
Strategies to help with weight loss

Table 3. Strategies to help children and adolescents with weight loss

<table>
<thead>
<tr>
<th>BMI percentile</th>
<th>Strategy</th>
</tr>
</thead>
<tbody>
<tr>
<td>85th–94th</td>
<td>Engage patient and parent through behavior change counseling (see following section), including addressing family and patient lifestyle. To address childhood obesity effectively, it is important to involve the family.</td>
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<tr>
<td></td>
<td>Encourage lifestyle modifications, including healthy eating and active living (see pages 8–9).</td>
</tr>
<tr>
<td>95th and higher</td>
<td>Obese children aged 6 years and older should be offered comprehensive, intensive behavioral interventions (USPSTF 2010).</td>
</tr>
<tr>
<td></td>
<td>There are currently no intensive counseling programs available for children at Kaiser Foundation Health Plan of Washington. In the geographic area served, there may be limited options for older children and adolescents (see page 10). In the absence of community programs, we recommend following the same treatment strategy as for children and adolescents in the 85th–94th percentile.</td>
</tr>
</tbody>
</table>

1 The BMI percentile indicates the relative position of the child’s BMI number among children of the same age and gender.

Behavior change counseling using the 5A approach

Treatment programs for managing childhood overweight and obesity should incorporate behavior change components, be family based—involving at least one parent/caregiver—and aim to change the whole family’s lifestyle. Programs should target decreasing overall dietary energy intake, increasing levels of physical activity, and decreasing time spent in sedentary behaviors (such as screen time).

The use of a behavior change counseling approach such as the 5As may allow clinicians to support patients in making changes to eating and physical activity behaviors. The 5As—Ask, Advise, Assess, Assist, Arrange—are an adaptation of motivational interviewing.

Depending on the child’s age, these conversations may be with the parent/caregiver or with the older child/adolescent. The talking points below give examples for both scenarios.

Conversation 1a. Ask
Conversation 1b. Advise
Conversation 1c. Assess
Conversation 1d. Assist
Conversation 1e. Arrange

**Conversation 1a. Ask**
Attempt to engage all overweight and obese patients in conversation about their weight.

- “Would it be OK if we take a few minutes to talk about your health and weight?”
- “Has your weight kept you from doing things you wanted to do?”
- “Do you worry about your son/daughter’s growth or weight?”
**Conversation 1b. Advise**
Advise patients to adopt healthier habits for eating and physical activity, using a clear and personalized manner. Avoid loaded terms such as “obese” and “overweight.” Some clinicians refer to “healthy weight or growth” and “unhealthy weight or growth.” Frame the discussion around making healthy changes that can have a number of benefits.

**Talking points**
- “In the short term, kids who are at an unhealthy weight can sometimes have difficulties with their peers, feel low self-esteem, be less physically fit, and experience a lower overall quality of life, compared with those who are at a healthy weight.”
- “Kids who are at an unhealthy weight are more likely to develop future chronic conditions, including high blood pressure, high cholesterol, sleep apnea, osteoarthritis, cancer, type 2 diabetes, and liver disease.”
- “Kids who are at an unhealthy weight are more likely to stay that way as young adults, compared with those who are at a healthy weight.”
- “Small changes in eating during childhood, if maintained, can translate to an improved BMI curve into childhood and a better quality of life.”

**Conversation 1c. Assess**
Determine the patient’s willingness to attempt to change lifestyle habits. Also assess the parent’s willingness to make a change in the family’s eating and/or physical activity at this time (i.e., in the next 30 days).

**Talking points**
- “On a scale of 0 to 10, how ready are you to consider making a healthy change in your eating or physical activity?”
  (Scale: 0 = not ready  5 = unsure  10 = ready)
- “How ready would you say you are to make this [specific change]?”
  (If high on readiness, 7–10, follow up with the next question.)
  - “How confident do you feel about making this change?”
    (This distinguishes those who are ready and confident from those who are ready and lacking in confidence. If 6 or lower on readiness scale, consider suggesting a more realistic goal.)
- “What are the three best reasons to make this change?”
- “How might you go about it? What would help you succeed?”

1 This scale is completely subjective.
**Conversation 1d. Assist**
Help the patient to move along the continuum of readiness to change.

<table>
<thead>
<tr>
<th>Talking points</th>
<th>Not ready to change (about 0–3)</th>
<th>Unsure about change (about 4–6)</th>
<th>Ready to change (about 7–10)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Leave the door open to further conversations.</td>
<td>Explore ambivalence.</td>
<td>Strengthen commitment.</td>
</tr>
<tr>
<td></td>
<td>• “Lots of people find it hard to consider making changes to their lifestyle. This may not be the right time for you. I'm here to help you, and when you're ready, I'd be happy to talk with you about how you might try to make some changes.”</td>
<td>• “What do you like about the way things are now?”</td>
<td>• “It's great to know that you are ready to change the way that you are eating.”</td>
</tr>
<tr>
<td></td>
<td>• “If you maintain your current weight and avoid further gains, you are taking a successful step toward staying healthy.”</td>
<td>• “What don't you like about the way things are now?”</td>
<td>• “What are the two most important reasons for you wanting to get more exercise?”</td>
</tr>
<tr>
<td></td>
<td>Ask about the next step.</td>
<td></td>
<td>Facilitate action planning.</td>
</tr>
<tr>
<td></td>
<td>• “What would need to be different for you to feel you are ready to start eating healthier?”</td>
<td>• “What would need to be different for you to feel you are ready to start being more physically active?”</td>
<td>• “How might you go about making this change?”</td>
</tr>
<tr>
<td></td>
<td>• “Is there anything you'd like to do between now and our next visit?”</td>
<td>• “Could you plan around these roadblocks?”</td>
<td>• “What might get in your way?”</td>
</tr>
<tr>
<td></td>
<td>If patient cannot or does not identify any next steps, try offering some suggestions. (See “Healthy eating and active living” on pages 8–9, under “Lifestyle modifications.”)</td>
<td></td>
<td>• “What is your next step?”</td>
</tr>
</tbody>
</table>
**Conversation 1e. Arrange**  
Arrange for follow-up contacts with the patient, either in person or by phone. Also include the SmartPhrase `bmipeds` in the after visit summary.

<table>
<thead>
<tr>
<th>Talking points</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Not ready to change</strong></td>
<td></td>
</tr>
<tr>
<td>‧ “When you are ready, I am here to support you. I look forward to your next visit. As part of your well visit care, I will continue to track your weight and height, and let you know how you are doing.”</td>
<td></td>
</tr>
<tr>
<td>‧ “Even if you are not ready to make any changes, I’ll plan on checking in with you about this in the future.”</td>
<td></td>
</tr>
<tr>
<td><strong>Unsure about change</strong></td>
<td></td>
</tr>
<tr>
<td>“What information or resources would you be interested in as you consider healthy eating and getting active?”</td>
<td></td>
</tr>
<tr>
<td><strong>Ready to change</strong></td>
<td></td>
</tr>
<tr>
<td>“I am really glad that you are ready to start [walking, eating healthy, etc.].”</td>
<td></td>
</tr>
<tr>
<td><strong>All patients</strong></td>
<td></td>
</tr>
<tr>
<td>‧ “Would it be OK if one of my team checked back with you about this in the next couple of weeks?”</td>
<td></td>
</tr>
<tr>
<td>‧ “Let me or my team know how you are doing by secure message or by phone, or at your next visit.”</td>
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</tr>
</tbody>
</table>

**Lifestyle modifications**

**Healthy eating and active living**

Children and adolescents who are overweight (85th–95th percentile) and especially those who are obese (higher than 95th percentile) should be advised to make lifestyle changes that encourage calorie balance and support normal growth and development without promoting excess weight gain.

Every effort should be made not to stigmatize the patient about his/her weight. The focus should be on behavior change that will promote health.

These strategies can help children and adolescents manage their weight.

**Healthy eating tips**

- Parents are role models and can help to model healthy eating behaviors.
- Eliminate calories by drinking more water and less soda, fruit juice, and sports and other sugary drinks.
- Fruit juice is a less healthy choice than fresh fruit, as it adds excess calories without the benefit of the fiber that is found in fresh fruit.
- Encourage parents to talk with children and come up with a plan for making healthy food choices at school.
- Stock the house with healthy snacks, including fresh vegetables, fruit, string cheese, and yogurt. Limit the amount of junk food to reduce temptation.
- Limit meals eaten outside the home. Encourage children to take an active role in choosing and helping to prepare healthy meals at home.
- Eat breakfast every morning.
- Remember that healthy changes do not mean that some foods or drinks are "off limits." Moderation is key. For example:
  - Save less healthy desserts for birthdays or holidays.
  - Cut out one fast-food or restaurant meal a week.
  - Replace fries with apples, or share a small order of fries.

A great resource for parents is the Kids Eat Right website (http://www.eatright.org/kids/), for information on cooking, shopping, and healthy lifestyle choices for children of all ages.
Other resources include the U.S. Department of Health & Human Services’ Dietary Guidelines for Americans website (www.health.gov/dietaryguidelines/) and the U.S. Department of Agriculture’s Choose My Plate website (http://www.choosemyplate.gov/), where the “healthy plate” has replaced the food guide pyramid.

**Nutritional advice**

A healthy diet:
- Emphasizes a variety of fruits, vegetables, whole grains, and fat-free or low-fat milk/milk products.
- Includes lean meats, poultry, fish, beans, eggs, and nuts.
- Is low in saturated fats, trans fats, cholesterol, sodium, and added sugars.
- Balances calorie intake from food and beverages with calories expended.
- Contains at least 3 meals per day and 1–2 scheduled snack times.

Adolescents may be referred to the dietary recommendations in the Adult Weight Management Guideline. Families of overweight and obese children who are motivated to make dietary changes may be referred to a registered dietitian for individualized guidance on weight management.

If the clinician or parent feels that the child or adolescent has demonstrated any signs of disordered eating such as bingeing, purging, or hiding food, it is best to consult with a registered dietitian and/or a Behavioral Health specialist as soon as possible.

**Increasing physical activity**

For children and adolescents aged 6 years and older, 30 to 60 minutes of physical activity per day is recommended. Activity does not need to be continuous. Several shorter periods of activity can add up to meet physical activity needs.

Children aged 2–5 years should play actively several times each day.

**Active living tips:**
- Children should have time to play after school.
- Play a team sport through school or community programs.
- Walk with family or pets after dinner.
- Choose activities that involve exercise for family outings (family hike, playground, swimming, skating).

**Decreasing sedentary activity**

- Limit time spent watching television, using the computer, and playing video games to less than 1 hour a day total screen time.
- Remember that making changes does not mean that certain activities are “off limits.” Moderation is key. For example:
  - Watch 1 hour of TV a night instead of 2.
  - Play video games for 1 hour, then take an hour-long walk.
  - Don’t have a TV in the bedroom.

**Diet and commercial weight-loss programs**

Structured diet or weight-loss programs—such as Jenny Craig®, which is available to adolescents (ages 13–17), and Weight Watchers®, at select locations for children and adolescents (ages 10–17)—may help with weight management. There are many popular programs, with varying levels of evidence on their effectiveness.

It is important for patients to avoid any programs that promise a “quick fix” or make unrealistic claims. When choosing a program—regardless of the type (in person, web based, or phone based)—patients should make sure that it includes the following components:
- Focuses on long-term lifestyle change.
- Addresses both healthy eating and exercise.
- Sets realistic short-term goals (i.e., weight loss of 5–10% current total body weight).
- Promotes gradual weight loss (i.e., no more than 0.5 pounds per week for younger children; up to 2 pounds per week for adult-sized adolescents).
- Has a program to maintain goal weight once reached.
- Includes behavior modification (e.g., meal planning, food diary, etc.).

Successful weight management depends less on the diet or weight-loss program chosen than on the consistency and continuity of healthy nutritional choices throughout the patient's life. Be aware that some patients' diet-program choices may have adverse physiologic effects on blood glucose, blood pressure, and/or lipids.

**Pharmacotherapy is not recommended**
Pharmacotherapy is not recommended for children and adolescents for the treatment of obesity.

**Bariatric surgery**
There is insufficient evidence to recommend for or against bariatric surgery for adolescents.

**Comorbidities**
Children and adolescents with overweight and obesity are at increased risk for a number of comorbid conditions. (See “Comorbidities and complications of obesity in children and adolescents” [http://www.uptodate.com/contents/comorbidities-and-complications-of-obesity-in-children-and-adolescents?source=search_result&search=obesity+in+children&selectedTitle=3%7E150] on the UpToDate website.)

A complete physical exam at each well visit is recommended in order to detect signs of certain comorbidities. Blood pressure should be measured at all well visits, regardless of the patient's BMI.

**Comorbidity screening**
There is currently insufficient evidence to recommend for or against lab screening for diabetes, fatty liver disease, and dyslipidemia for children and adolescents. Some experts recommend evaluating HbA1c, AST and/or ALT, and fasting lipids in children with BMI above the 95th percentile to evaluate the presence of these common comorbidities, although there is no consensus on the appropriate screening interval.

Consensus-based screening schedules typically suggest screening in the presence of certain risk factors, such as BMI higher than the 95th percentile; patient history of hypertension, dyslipidemia, or smoking; acanthosis on exam; or family history of type 2 diabetes, dyslipidemia, or cardiovascular disease.

However, some experts suggest that these tests should be performed only if they will alter the course of treatment.

**Depression screening**
Screen overweight and obese adolescents for depression by using the Patient Health Questionnaire for Adolescents (PHQ-9A). Evidence suggests that patients with depression are less likely to be adherent to recommended management plans and less likely to be effective at self-management of chronic conditions.

See the Depression Guideline for additional guidance. Patients with major depression can be treated in primary care or offered a referral to Behavioral Health for counseling and/or antidepressant therapy.

**Sleep apnea screening is not recommended**
Routine screening for sleep apnea is not recommended because evidence is lacking regarding whom to screen and the effectiveness of treatment.
Evidence Summary

To develop the Children and Adolescent Weight Management Guideline, the guideline team:

- Reviewed evidence using an evidence-based process, including systematic literature search, critical appraisal, and evidence synthesis.
- Adapted some recommendations from the following externally developed evidence-based guidelines:

BMI measurement in children and adolescents

BMI varies with age and gender. It typically rises during the first months after birth, falls after age 1, and rises again at age 6. Thus, a given BMI value is usually compared with reference charts to rank the BMI percentile for age and gender. The BMI percentile indicates the relative position of a child's BMI as compared with a historical reference population of children of the same age and gender. In the United States, a child with a BMI above the 85th percentile is considered overweight. A child with a BMI above the 95th percentile is defined as obese (Lobstein 2004).

Risk factors

The risk of childhood obesity is related to parental obesity, low parental education, social deprivation, infant feeding patterns, early or more rapid puberty, extreme birth weights, gestational diabetes, and various social and environmental factors, such as childhood diet and time spent in sedentary behaviors. Less commonly, obesity may also be induced by drugs (e.g., high-dose glucocorticoids), neuroendocrine disorders (e.g., Cushing's syndrome) or inherited disorders (e.g., Down syndrome and Prader-Willi syndrome) (Lobstein 2004).

No randomized controlled trials (RCTs) have assessed the primary outcome of reduction in mortality associated with obesity. There was a 5-year longitudinal study that reported that 86% of obese adolescents aged 13–19 years would become obese adults (Gordon-Larsen 2004).

Behavior change counseling

The recommendations regarding behavior change counseling were adapted from the 2010 USPSTF guideline. It recommends that children aged 6 years and older with a BMI at the 95th percentile or above should be offered comprehensive, intensive behavioral interventions to promote improvement in weight status (USPSTF 2010). However, since there are currently no intensive counseling programs available for children at Kaiser Foundation Health Plan of Washington or in the geographic area served, we recommend following the same treatment strategy as for children and adolescent in the 85th–94th percentile.

Pharmacotherapy

A Cochrane meta-analysis that included 2 RCTs with 579 participants evaluated the effect of orlistat plus diet and exercise compared with placebo plus diet and exercise. After six months of follow-up, patients who received orlistat plus diet and exercise had a significantly lower BMI compared with patients who received diet and exercise alone [mean difference, -0.76 kg/m² (95% CI, -1.07 to -0.44)]. Withdrawal due to adverse events was higher in the orlistat group compared with the placebo group. The most common adverse events were gastrointestinal and occurred more frequently in the orlistat treatment groups (Oude Luttikhuis 2009).

Bariatric surgery

An RCT compared the outcomes of gastric banding with an optimal lifestyle program in 50 obese adolescents. Results suggest that compared with a lifestyle intervention, significantly more obese adolescents treated with gastric banding lost more than 50% of excess weight (84% vs. 12%, P<0.05). In
the gastric banding group, 12 participants experienced 13 adverse events. The most frequently occurring adverse event was proximal gastric enlargements, which occurred in 6 patients (O'Brien 2010).

A meta-analysis that included 18 observational studies with a total of 641 participants evaluated the safety and efficacy of bariatric surgery for the treatment of pediatric obesity. Results suggest that bariatric surgery produces clinically and statistically significant weight loss in obese pediatric patients; however, serious and life-threatening complications may occur. Additionally, the long-term impact of bariatric surgery on growth and development is unknown. These results should be interpreted with caution, as the studies included in the meta-analysis were small observational studies (Treadwell 2008).

Comorbidity screening
No RCTs or meta-analyses were identified that addressed the safety or efficacy of screening children and adolescents for diabetes, fatty liver disease, or dyslipidemia.

References


Guideline Development Process and Team

Development process
To develop the Children and Adolescent Weight Management Guideline, the guideline team reviewed evidence in the following areas: BMI measurement in children and adolescents, risk factors, behavior change counseling, pharmacotherapy, bariatric surgery, and comorbidity screening. The guideline team also adapted some recommendations from externally developed evidence-based guidelines.

This edition of the guideline was approved for publication by the Guideline Oversight Group in December 2012.

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