Type of Evidence	Key Findings	Level of	Citations
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Evidence	
		(USPSTF	
From each	In 2007 the AAD ANAA and CDC callebrated	Ranking*)	
Expert	In 2007, the AAP, AMA, and CDC collaborated	111	Barlow SE. Expert committee
recommendation	recommendations on the provention		the provention accossment
	assessment and treatment of child and		and treatment of child and
	adolescent overweight and obesity		adolescent overweight and
	The committee recommended that physicians		obesity: Summary report.
	and allied health care providers perform, at a		Pediatrics 2007; 120(Suppl
	minimum, a yearly assessment of weight		4):S164-192
	status for all children. This assessment should		
	include calculation of height, weight		
	(measured appropriately), and BMI for age and		
	plotting of those values on standard growth		
	charts (p. 186). Electronic health record		
	programs may be used to calculate BMI values,		
	report percentiles, and automatically plot a		
	child's BMI values over time on a BMI curve.		
	(p. 168)		
	With regard to classification, the expert		
	committee recommends that individuals 2 to		
	18 years of age with BIVII of \geq 95th percentile		
	is smaller) should be considered obese and		
	individuals with \mathbf{PM} of \mathbf{NE}^{th} percentile but		
	\sim 295th percentile for age and gender should be		
	considered overweight (n 186) The		
	committee further recommends the use of the		
	clinical terms overweight and obesity for		
	documentation and risk assessment. (p. 168)		
Consensus	The justification of any screening program is to		Speiser PW, Rudolf MC,
statement	improve important health outcomes with		Anhalt H, et al. Childhood
	benefits that outweigh inconvenience, cost,		obesity. J Clin Endocrinol
	and direct risk for those being screened. While		Metab 2005; 90(3):1871-
	firm evidence for the success of any particular		1887
	prevention strategy is lacking, the consensus		
	committee still recommends that primary care		
	providers screen all children for overweight		
	and opening, resources permitting, BIVII		
	weight management counseling: obesity		
	would prompt screening for comorbidities and		
	appropriate referrals. (p 1879) Recording and		
	graphical plotting of height, weight, BMI, and		
	waist circumference should be done at each		
	visit. (p. 1872)		

Table 5: Evidence for Documentation of BMI Percentile and Weight Classification for Children

Type of Evidence	Key Findings	Level of	Citations
		Evidence	
		(USPSTF	
		Ranking*)	
Task force	The USPSTF recommends that clinicians screen	111	US Preventive Services Task
Recommendation	children aged 6 years and older for obesity and		Force. Screening for obesity
	offer them or refer them to intensive		in children and adolescents:
	counseling and benavioral interventions to		US Preventive Services Task
	promote improvements in weight status. This		Force recommendation
	recommends the service. There is mederate		
	certainty that the net benefit is moderate for		125(2).501-507
	screening for obesity in children aged 6 years		
	and older and for offering or referring children		
	to moderate- to high-intensity interventions to		
	improve weight status. (p. 362-363)		
	Screening consists of BMI calculated from the		
	weight in kilograms divided by the square of		
	the height in meters. BMI percentile can be		
	plotted on a chart or obtained from online		
	calculators. The definition of overweight is age-		
	and gender-specific BMI at the $\ge 85^{th}$ to 94^{th}		
	percentile; obesity is age- and gender-specific		
	BMI at the ≥95 th percentile. BMI percentile for		
	age and gender is the preferred measure for		
	detecting overweight in children and		
	adolescents because it is feasible and reliable		
	and because it tracks with adult obesity		
	measures. (p 364) Based on results, patients		
	should be referred to comprehensive		
	moderate- to high-intensity programs that		
	Include dietary, physical activity, and		
Observational	In a study of 1,216 shildron, Dilloy et al. found		Dillov KL Martin LA Sullivan
ctudy	that documentation of overweight status		C Seshadri R Binns HI
Study	increased the chances of overweight children		Identification of overweight
	being referred for screening or referral for		status is associated with
	evaluation of comorbidities. Findings showed		higher rates of screening for
	that 54% of children identified as overweight		comorbidities of overweight
	in the medical record received screening or		in pediatric primary care
	referral for evaluation of comorbidities,		practice. Pediatrics 2007;
	compared with 17% of overweight children		119(1):e148-155
	who were not identified as overweight in the		
	medical record.		

Type of Evidence	Key Findings	Level of	Citations
		Evidence	
		(USPSTF	
		Ranking*)	
Scientific	Evaluation of obesity begins with the	111	Daniels SR, Jacobson MS,
statement	calculation of BMI, which has clinical validity		McCrindle BW, Eckel RH,
	because it correlates with adiposity, adult		McHugh Sanner B. American
	adiposity, cardiovascular risk, and long-term		Heart Association Childhood
	mortality. No perfect cutpoint exists that		Obesity Research Summit:
	identifies all children with elevated body fat.		Executive Summary.
	Absolute BMI is an inappropriate screen for		Circulation 2009; 119:2114-
	children because BMI norms shift with age and		2123
	sex. Instead, BMI should be plotted on the		
	CDC's percentile curves to identify the		
	appropriate BMI percentile category. (p 2115)		
Scientific	According to a scientific statement from the	111	Daniels SR, Arnett DK, Eckel
statement	American Heart Association, children <85th		RH, et al. Overweight in
	percentile with no other health risk factors		children and adolescents:
	should be screened (weight, height, and BMI		Pathophysiology,
	percentile calculated and plotted) every year.		consequences, prevention,
	(p. 2007)		and treatment. <i>Circulation;</i>
Tool: Former	The Milite Heure Teels Ferrer on Childhead		2005; 111(15):1999-2012
Task Force	Chesity states there is a critical pood for health	111	Childhood Obosity, Solving
recommendation	Desity states there is a childan need for health		the Broblem of Childhood
	task force recommends that pediatricians be		Chosity Within a Constant
	encouraged to routinely calculate children's		
	BMI and provide information to parents about		2010
	how to help their children achieve a healthy		
	weight (n. 35) According to the Surgeon		
	General, "people access the health care system		
	through multiple channels, and medical care		
	settings are an important avenue for		
	preventing and controlling overweight and		
	obesity. Clinicians are often the most trusted		
	source of health information and can be		
	powerful role models for healthy lifestyle		
	habits." p. 34		

Type of Evidence	Key Findings	Level of Evidence (USPSTF Banking*)	Citations
HHS recommendation	Improving access to obesity-related services is a priority for the federal government. CMS will reference and encourage states to implement the USPSTF recommendations on prevention and treatment of obesity, including guidance that health care providers use age- and sex- specific BMI to screen for obesity and refer patients to comprehensive, intensive behavioral interventions to promote improvements in weight status. The increasing prevalence of BMI among children makes it important that attention be given to assure that screening and services are provided to children when medically necessary. CMS guidance will encourage States to remind providers to include diet and exercise advice in the comprehensive well-child examinations. The Affordable Care Act includes a range of provisions that will help promote obesity- related preventive efforts and coverage. (pp 8- 10)		Report to Congress. Preventive and Obesity- Related Services Available to Medicaid Enrollees. Kathleen Sebelius. Secretary of Health and Human Services; 2010, pp 1-13

Note: USPSTF criteria for assessing evidence at the individual study level are as follows: I) Properly powered and conducted randomized controlled trial (RCT); well-conducted systematic review or meta-analysis of homogeneous RCTs. II) Well-designed cohort or case-control analytic study. III) Opinions of respected authorities, based on clinical experience; descriptive studies or case reports; reports of expert committees.