

PEDIATRIC GROWTH AND DEVELOPMENT STANDARDS

Age and Physical Characteristics	Motor Development	Psychosocial Socialization and Vocalization	Cognitive and Emotional Development
<p><u>Seven to ten months</u> Five to six months - tonic neck reflex disappears. Six to seven months - palmar grasp disappears. Seven to eight months two central lower incisors appear. Eight to nine months four upper incisors appear. GI system maturing enough for solid food.</p>	<p>Momentary sitting, with hand support. Bounces and bears some weight when held in standing position. Transfers and mouths objects in one hand. Discovers feet. Bangs objects together. Rolls over well. May begin some form of mobility.</p>	<p>Develops eye-eye contact while talking. Localizes sound. Engages in social games. Eustachian tub short and horizontal making infant prone to ear infections. Discriminates between strangers and familiar figures. Crows and squeals. Starts saying "ma" and "da". Waves "bye-bye." Self play is self contained. Laughs out loud. Makes "talking" sounds in response to others' talking. Begins fear of strangers.</p>	<p>Secures objects by pulling on string. Searches for objects that are out of sight. Inspects object. Likes to sit in high chair. Drops and picks up objects. Exploratory behavior with food. Beginning fear of strangers. Fretful when mother leaves. Much mouthing and biting.</p>
<p><u>Ten to twelve months</u> Nine to twelve months plantar reflex disappears and neck righting reflex disappears.</p>	<p>Sits without support. Recovers balance. Manipulates objects with hands. Unwraps objects. Creeps. Pulls self upright at crib rails. Uses index finger and thumb to hold objects. Rings a bell. Can feed self a cracker. Can hold a bottle. Can control lips around cup. Does not like supine position. Finger and thumb opposition.</p>	<p>Claps hands on request. Responds to own name. Aware of social surroundings. Imitates gestures, facial expressions, sounds. Smiles at image in mirror. Offers toy to adult but does not release it. Begins to test parents' reactions during feeding and at bedtime. Entertains self for long periods of time. Enjoys peek-a-boo and patty cake. Babbles monologue. Uses three words meaningfully.</p>	<p>Begins to imitate. More interest in picture books. Enjoys achievements. Strong urge toward independence: locomotion, feeding, dressing. Can follow simple, one-step directions.</p>
<p><u>Twelve to eighteen months</u> Landau reflex disappears. Weight should about triple birth weight. Two lower lateral incisors appear. Four first molars appear by 14 months.</p>	<p>Can walk alone (by 15 months.). Cruises around furniture. Can stand alone and toddle. Developing lordotic and lumbar curves to make walking possible. Turns pages in book. Tries tossing object. Shows hand dominance. Navigates stairs. Climbs on chairs. Builds a tower of two blocks. Puts balls in box. May use spoon. Can release objects at will. Regular bowel movements.</p>	<p>Uses jargon. Points to indicate wants. Enjoys give-and-take game. Responds to music. Enjoys being the center of attention. Repeats laughed-at activities. Six words - 15 months. 15 - 30 words - 18 months.</p>	<p>Shows fear, anger, affection, jealousy, anxiety, and sympathy. Experiments to reach goals. Determined to move barriers to action. Concepts of space, time, and causality begin to develop. Increased attention span. Listens to story.</p>