

## PEDIATRIC GROWTH AND DEVELOPMENT STANDARDS

Age and Physical Characteristics	Motor Development	Psychosocial Socialization and Vocalization	Cognitive and Emotional Development
<p><b>Birth to one month</b> Neurological disorganization. Moro reflex, rooting reflex, disorganized sleep cycle, liquid food.</p>	<p>Eyes follow brightly moving objects, momentary visual contact with fixed objects. Lies awake on back with head averted. Drops objects placed in hands. Responds to bell and similar sounds. Hands fisted.</p>	<p>Mews and makes throaty noises. Smacks lips. Interested in human face. Trusts caregivers.</p>	<p>Reflexive. Responses are limited to tension states or discomfort. Satisfaction comes from feeding; being held, rocked, cuddled. Intense need for sucking pleasure. Quiets when picked up.</p>
<p><b>Two months</b> Crossed extensor reflex disappears. Tonic neck reflex begins to fade. When supine, arms and legs in flexion and to midline.</p>	<p>Reflexive behavior being replaced by voluntary movements. Turns from side to back. Can lift head momentarily from prone position. Eye coordination to light and objects. Will stop activity and listen to nearby sounds such as a bell. Eyes follow both vertically and horizontally, focuses well.</p>	<p>Begins vocalization; coos to a voice. Crying becomes differentiated. Looks for sounds. Touching, talking, or singing may lead to squeals of delight. Begins social smile. Eyes follow person more intently.</p>	<p>Recognizes familiar face. More aware and interested in surroundings. Anticipates being fed when in feeding position. Enjoys sucking - puts hand in mouth.</p>
<p><b>Three months</b> Positive support reflex disappears. Posterior fontanelle closes. Real tears, drooling, gastrointestinal juices increase.</p>	<p>Will rest on forearms when prone and keep head in midline. Makes crawling movements with legs, arches back, and holds head high; may get chest off surface. Shows preference for prone or supine position. Discovers hands; may strike at objects while watching hands. Can hold objects in hands. Brings objects to mouth. Has fairly good head control.</p>	<p>Smiles more readily. Babbles and coos. Stops crying when mother enters room or when caressed. Plays during feeding. Stays awake for longer without crying. Turns head to follow familiar person.</p>	<p>Active interest in surroundings. Recognizes familiar faces and objects. Focuses and follows objects. Repetitiveness in play. Is aware of strange situations. Pleasure from sucking; purposely gets hand to mouth. Begins to establish a routine prior to sleep.</p>
<p><b>Four to six months</b> Moro reflex fades. Stepping reflex disappears. Rooting reflex disappears. Weight about doubles birth weight. Grasp becomes more voluntary. Sucking becomes more voluntary.</p>	<p>Eyes focus on small objects. May pick a dangling ring. When pulled to a sitting position, holds head up. More interested in surroundings. Hand comes to meet rattle. Sits with minimal support. Intentional rolling over, back to side. Reaches for offered objects. Grasps objects in both hands. Everything goes into mouth.</p>	<p>Listens - turns head to familiar sound. Laughs and chuckles socially. Demands attention by fussing. Recognizes mother. Begins to respond to "No, no." Responds to speech by vocalizing. Develops coping sounds. Enjoys being propped in sitting position.</p>	<p>Enjoys attention; bored when left along for long periods of time. Recognizes bottle. More interest shown to mother. Increasing trust and security. Sleeps through night; has defined nap time.</p>