

What is Normal Sensory Motor Development	Red Flags
<p><u>Full Term New Born Infants</u></p> <p><u>Medical:</u> No consistent medical</p>	<p><u>Premature Infants: <37 weeks</u></p> <p><u>Atypical Development</u></p> <p><u>Medical:</u> History of brain injuries, anoxia, Vision, genetic, respiratory, eating concerns</p>
<p><u>Physical:</u> Physiological flexion</p> <p><u>Prone:</u> Turns head to clear airway Working to control cervical extensors Weight toward face Body in flexion with extension bursts</p> <p><u>Supine:</u> Not flat on back Hand to mouth (high position of shoulders/ribcage)</p> <p><u>Pull to sit:</u> Pull to sit no head lag <u>Sit:</u> Rounded back</p>	<p><u>Physical:</u> Lack of body fat (preemie) Decreased muscle mass/tone Lack of physiological flexion/trouble flexing Less overall movement</p> <p><u>Prone:</u> Arms not tucked into body Difficulty turning head to clear airway More extension through trunk/legs</p> <p><u>Supine:</u> Flat on back Arm/ elbows extended Difficulty with flexor movements</p> <p><u>Pull to sit:</u> Head lag <u>Sit:</u> Straight back, collapses into legs</p>
<p><u>Reflexes:</u> Sucking Neck righting Moro Flexor withdrawal Extensor thrust</p>	<p><u>Reflexes:</u> Weaker sucking Decreased or lacking reflexes</p>
<p><u>Sensory:</u> Visual acuity to 7 inches Monocular vision Auditory: Sounds Olfactory: can smell mom Taste: Prefer breast milk</p>	<p><u>Sensory:</u> Lower visual/auditory acuity Hypersensitive to noise/touch Overload Oral sensitivity</p>

<p><u>One-Two Month</u></p> <p><u>Physical:</u> Decreased physical flexion “Fall Apart” hypotonic Increased extraneous movement Movement play between flexion/extension</p> <p>Prone: Head to 45 degrees Extension through thoracic spine Hips in flexion/abduction/external Rotation Arms weight bear at ulnar part of hand Elbows behind shoulders Asymmetrical</p> <p>Supine: Some head in midline Arms/legs move against gravity Increased movement/range in arms/legs Bursts of extension through body Asymmetrical but not fixed</p> <p>Side lying: Increase balance flexors/extensors but still inefficient Head lift in assisted roll</p> <p>Pull to Sit: Head lag until 15 degree upright</p> <p>Sitting: Extension through cervical/thoracic Spine Head up 45 degrees</p>	<p><u>One-Two Month</u></p> <p><u>Physical:</u> Decreased movement Limited repertoire of movement Too much extension Imbalance of flexion/extension</p> <p>Prone: Neck hyperextension/no extension Hip extension/adduction/internal rotation No/minimal weight bear to arms One side more dominant Marked asymmetry</p> <p>Supine: Head predominantly to one side Minimal/atypical extremity movements against gravity</p> <p>Side lying: No head righting with assisted Rolling</p> <p>Pull to sit: Head lag Minimal assist with arms</p> <p>Sitting: Poor head control/hyperextension No cervical/thoracic extension Little activity in arms</p>
<p><u>Reflexes:</u> Inhibited: flexor withdrawal Observable: ATNR,STNR, neck Righting, suckle</p>	<p><u>Reflexes:</u> Continued flexor withdrawal</p>

<p><u>Sensory:</u> Visual-focal length 10 inches Auditory: Greater discrimination/ Localization Tactile Proprioceptive: less sensitive to light touch Can be comforted by holding</p> <p><u>Sensory Organization:</u> <u>Physical:</u> smooth breathing patterns No skin color changes,</p> <p><u>Motor:</u> No tone changes, posture Observable calming strategies Hand to mouth, sucking</p> <p><u>Behavior:</u> Distinct sleep states, quiet awake Self-calm/console, smile, smooth move- ments of arms/legs, visual/auditory focus</p>	<p><u>Sensory:</u> Visual tracking difficult Auditory: difficulty localizing Differentiating overly sensitive Tactile Proprioceptive: hypo/hypersensitive Reactions to being help, touch,</p> <p><u>Sensory Disorganization:</u> <u>Physical:</u> Changes in breathing pattern Skin color, gag/spitting up, sneeze, hiccup Yawn, <u>Motor:</u> Changes in tone, finger splaying, Grimace, stretching extremities Arching back, hyper flexion Of extremities</p> <p><u>Behavioral:</u> Indistinct sleep states, whimper Twitch/ jerky movements, eyes unfocused Fussy, frowns, gaze aversion, irritable Staring</p>
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