

STIMULI ELICITING SMILING AND LAUGHING IN CHILDREN AT DIFFERENT AGES

AGE	STIMULI ELICITING SMILING	STIMULI ELICITING LAUGHTER
Birth	Stimulation of erogenous zones; Intra-organic stimulation; Tickling, shaking, patting; Gentle rocking, turning on stomach	—
First Month	State of comfort on waking; Normal digestive function; Tickling under chin; Nursing	—
<i>First Week</i>	Tickled on Cheek; Comfort; Father	
<i>Second Week</i>	Preceding regurgitation; Bright light	—
<i>Third Week</i>	Persons	Nursing
<i>Fourth Week</i>	Contentment; Talking or mimicry; Touch of nipple on cheek; Hand and arm shaken playfully; Curtain drawn back from cradle	—
Second Month	State of comfort; Adult smiles, domestic baby talk; Exteroceptive stimuli substituted for intraorganic ones	Laughing, prattle, and comfort
<i>Fifth Week</i>	Dropping asleep after feeding; During sleep; Pleasant looks; Physical comfort after sleep	—
<i>Sixth Week</i>	Persons; Squeaking sound; Pleasure when looking at mother	Persons; Incipient laugh
<i>Eighth Week</i>	Mood lasting all day; Rubbing with oil; Sweet high-pitched talk—lively face; Silver rattle; Social stimulation; Peek-a-boo (cloth over subject's face)	Artificial light; Tickling on belly; Varied motion of his own or another's body
<i>Ninth Week</i>	Mirror image	Presence of grown-ups; Taking nourishment
Third month	Friendly looks; Mirror image; Adult conversation; Mirror image of aunt; Pinch on nose or cheek; Rhythmical knee drop	Gestures; Social stimulation
Fourth Month	Nods, prattles, cuddling; Tumbling about; tossed in air; slid down knees; Sister's antics; Satiety; Sneeze; Pinafore over face withdrawn; Mirror image; Threatening head; Elevator play; Tickling	Boisterous play or frolic; Adult uncovered face and approached; Droll, meaningless sound; Mother saying things in a funny way; Mirror image; Threatening head
Fifth Month	High pitched question; Piano; Sister's antics; Aunt appearing frequently through closed doors; Good health and high spirits; Peek-a-boo (cloth between the examiner and the subject); Sudden reappearance from under table; Rhythmical hand clapping; Reappearance of examiner from cupboard; Special experimental apparatus	"Joy" stimulation; Rhythmical hand clapping; Rhythmical knee dropping; Elevator Play; Sudden reappearance of examiner from under table; Peek-a-boo; Tickling
Sixth Month	Kind smiling face; Peek-a-boo	Experimenting with own body; Frolic with father, later same day, seeing father; Teasing (pulling father's beard); Good health and high spirits; Smiles, nods, laughs, pats, tickles, jumping up and down, waving leaves, children jumping about, quick movements of toys or bright objects, near faces, kiss, children with balloons; When adults do; Sensations of laughter caused laughter; Great pleasure; Pulling sister's hair; Sudden movements of one's head, reappearance; Sudden movements of one's head with ducking; Rhythmic motions or sounds ending in a jolt; Hearing or trying to say "papa" or "poopoo"; Swinging or tossing to arms of another
Seventh Month	Coquetry; Child's name called by stranger; Gratified desire	Other's laughter; Looking sidelong; Pretending to disobey; Queer guttural sounds; Tickling; Outdoor; Expectation and surprise
Eighth Month	Special smile for friends	Sitting on a blanket in sun; Fruit juice; Bumps, if laughed with; Kitten (with fear signs also)
Ninth Month	—	New pleasing object; Creeping away from pursuers; Sudden reappearance of examiner from cupboard

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Tenth Month	—	Very little laughter because of interest in self-activity; Letting go after pulling herself up
Eleventh Month	Being allowed to walk; To attract attention to pleasure in a peach	Long strides of nurse; Being laughed at; Blowing whistle (sense of power); Grasping at image; Creeping toward object and being pulled back
Twelfth Month	—	Purely physical cause, tickling; Appearance of intelligence; Prospect of being nursed; Quick play-like movements of heavy adults; Disorderliness in hair or dress of others, especially superiors; New noises (thunder, gargling); Special experimental apparatus
One to Three Years	—	Social stimuli
Two to Five Years	Own success; Humorous situation or story; At others; When others smiled at him	Active play; Loud noise; Chair upset; Peculiar face or noise made by other child; Others laughing; Taught to make others laugh; Own mistake; Other's mistake; Unusual event and absurdities; Adult's suggestion in funny story; Physical movement; Physical movement and verbal movement
Three to Five Years	—	Motion by self, objects or others; Noises by self, objects, or others; Socially unacceptable situations; Grimaces by self or others; Inferiority of others; Pleasure in occupation or accomplishments; Appreciation of humor; Word play; Imitative laughter; Make believe; General well being
Five Years	—	Visual type of humor
Three to Six Years	Experimental situations involving: (a) surprise or defeated expectation; (b) Superiority and degradation; (c) Incongruity and contrast situations; (d) Social smile; (e) Relief from strain; (f) Play situations	Same
Seven Years	—	Transition to elementary play upon words
Eight Years	—	Misfortunes of others; fairy stories
Nine Years	—	Funny stories and jokes
Twelve Years	—	Exaggeration