



Nebraska Pediatric Reference

Pediatric Normal Vital Signs

Age	Estimated Weight	HR	RR	Systolic BP
Premature	<3 kg	160	>40	60
Newborn	3.5 kg	130	40	70
3 mo.	6 kg	130	30	90
6 mo.	8 kg	130	30	90
1 yr.	10 kg	120	26	90
2 yrs.	12 kg	115	26	90
3 yrs.	15 kg	110	24	90
4 yrs.	17 kg	100	24	90
6 yrs.	20 kg	100	20	95
8 yrs.	25 kg	90	20	95
10 yrs.	35 kg	85	20	100
12 yrs.	40 kg	85	20	100
14 yrs.	50 kg	80	18	110
Adult	>50 kg	80	18	120

Definition of Hypotension by Age and Systolic Blood Pressure







Age	Systolic Blood Pressure
Term neonates (0 to 28 days)	< 60 mm Hg
Infants (1 to 12 months)	< 70 mm Hg
Children 1 to 10 years	< 70 mm Hg + (age in years x 2) mm Hg
Children > 10 years	< 90 mm Hg

Important Numbers

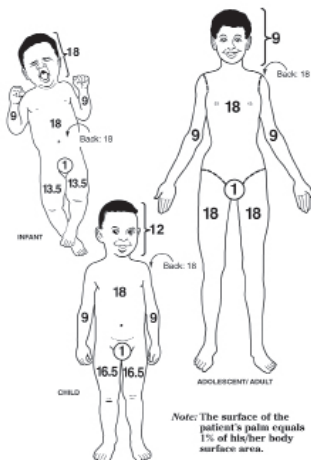
Poison Center 800-222-1222

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Pain Rating Scale (Wong-Baker FACES)

Hurts Worst		10 - Worst Pain Possible - Unbearable (Unable to day any activities because of pain)
	9-	
Hurts Whole Lot		8 - Intense/Dreadful/Horrible (Unable to do most activities)
		7 - Severe Pain
Hurts Even More		6 - Miserable/Distressing (Unable to do some activities because of pain)
		5 - Moderate Pain
Hurts Little More		4 - Nagging/Uncomfortable (Can do most activities with rest periods)
		3 -
Hurts Little Bit		2 - Mild Pain Annoying (Pain is present but does not limit activity)
		1 -
No Hurt		0 - No Pain

Rule of Nines



Pediatric Glasgow Coma Scale

	Child	Infant
Eyes		
4	Opens eyes spontaneously	Opens eyes spontaneously
3	Opens eyes to speech	Opens eyes to speech
2	Opens eyes to pain	Opens eyes to pain
1	NO RESPONSE	NO RESPONSE
Motor		
6	Obeys commands	Spontaneous movements
5	Localizes pain	Withdraws to touch
4	Withdraws to pain	Withdraws to pain
3	Flexion	Flexion (decorticate)
2	Extension	Extension (decerebrate)
1	NO RESPONSE	NO RESPONSE
Verbal		
5	Oriented	Coos and babbles
4	Confused	Irritable cry
3	Inappropriate words	Cries to pain
2	Incomprehensible words	Moans to pain
1	NO RESPONSE	NO RESPONSE

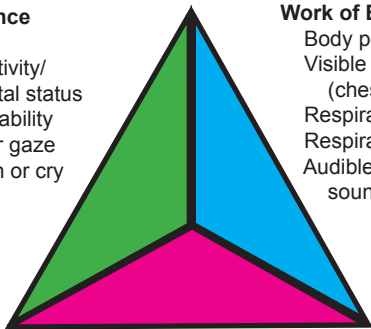
Pediatric Assessment (General Impression)

Appearance

Tone
 Interactivity/
 mental status
 Consolability
 Look or gaze
 Speech or cry

Work of Breathing

Body position
 Visible movement
 (chest/abdomen)
 Respiratory rate
 Respiratory effort
 Audible airway
 sounds



Circulation to Skin
 Skin Color

Average Equipment Sizes

Age	Premature	Newborn	3 mo.	6 mo.	1 yr.	2 yrs.	3 yrs.	4 yrs.	6 yrs.	8 yrs.	10 yrs.	12 yrs.	14 yrs.	Adult
Estimated Weight	<3 kg	3.5 kg	6 kg	8 kg	10 kg	12 kg	15 kg	17 kg	20 kg	25 kg	35 kg	40 kg	50 kg	>50 kg
Oral Airway	0	0	1	1	1	2	2	3	4	4	5	5	5	5
NP Airway**	NA	NA	NA	NA	18-20	20	22-24	24	24-26	28	28-30	30	32-34	34
BVM	Neonate	Infant	Infant	Infant	Child	Child	Child	Child	Child	Child/Adult	Adult	Adult	Adult	Adult
BP Cuff	Newborn	Newborn	Infant	Small Child	Small Child	Child	Child	Child	Child/Small Adult	Small Adult	Small Adult	Adult	Adult	Adult
IV Catheter	24 G	22-24 G	22-24 G	20-24 G	20-24 G	18-22 G	18-22 G	18-22 G	18-20 G	18-20 G	18-20 G	16-20 G	16-20 G	14-18 G
ETT Blade	0	0-1	1	1	1	1-2	2	2	2	2	3	3	3	3-4
ETT Size*	2.5-3.0	3.0-3.5	3.5	3.5-4.0	4.0	4.0-4.5	4.5	4.5-5.0	5.0-5.5	5.5-6.0	5.5-6.5	6.5-7.0	6.5-7.5	6.5-7.5
Suction Catheter	6 F	6 F	6-8 F	8 F	8 F	8-10 F	10 F	10 F	10 F	10-12 F	12 F	12 F	12-14 F	12-14 F
Gastric Tube	5 F	5-8 F	5-8 F	8 F	8 F	8-10 F	10 F	10-12 F	12-14 F	14 F	14 F	14-18 F	16-18 F	16-18 F

** NP airways are not recommended for children under 1 year of age

* Note: Uncuffed ETs are recommended for children < 8 years of age or < 25 kg
Average tube depth from gum/teeth = 3x the ET size (note cm at gum/teeth)