

Normal Pediatric Vital Signs

Age (kg)	Pulse	Respirations	Systolic Blood Pressure*
Preterm (1-2)	120-160	30-60	50-70
Newborn (3)	120-160	30-60	60-70
3 mo (5)	120-160	30-60	60-70
1yo	120-160	30-60	70-80
3 yo	90-140	25-40	76-90
6 yo	80-120	22-34	80-100
8 yo	80-120	16-24	84-110
10 yo	60-100	16-20	90-120
12 yo	60-90	14-20	90-120
14+ yo	60-90	12-20	90-130

* Blood Pressure is a late and unreliable indicator of shock in children.

Glasgow Coma Score

	Infant	Child/Adolescent
Eye Opening	Spontaneous	Spontaneous
	To voice	To voice
	To pain	To pain
	None	None
Verbal Response	Babbles, easily consoled	Oriented
	Irritable, difficult to console	Confused
	Cries to pain	Inappropriate
	Moans to pain	Garbled
	None	None
Motor Response	Normal movements	Obeys commands
	Withdraws to touch	Localizes pain
	Withdraws to pain only	Withdraws to pain
	Flexion (decorticate)	Flexion (decorticate)
	Extension (decerebrate)	Extension (decerebrate)
	None	None

Temperature Conversion

Fahrenheit - Celsius	Fahrenheit - Celsius
106°F = 41.1°C	100°F = 37.8°C
105°F = 40.6°C	99°F = 37.2°C
104°F = 40°C	98.6°F = 37°C
103°F = 39.4°C	98°F = 36.7°C
102°F = 38.9°C	97°F = 36.1°C
101°F = 38.3°C	96°F = 35.6°C

(Fahrenheit T° - 32) x 5 ÷ 9 = Centigrade T°
 (Centigrade T° x 9 ÷ 5) + 32 = Fahrenheit T°

Maintenance Fluid Requirements

Weight	Hourly Fluid Rate	Example
0-10 kg	4 cc/kg/hr	6 kg x 4 = 24 cc/hr
10-20 kg	4 cc/kg/hr for first 10 kg	10 kg x 4 = 40 cc/hr
	2 cc/kg/hr for remaining kg	5 kg x 2 = 10 cc/hr
		15 kg maint. = 50 cc/hr
>20 kg	4 cc/kg/hr for first 10 kg	10 kg x 4 = 40 cc/hr
	2 cc /kg/hr for next 10 kg	10 kg x 2 = 20 cc/hr
	1 cc /kg/hr for remaining kg	5 kg x 1 = 5 cc/hr
		25 kg maint. = 65 cc/hr

