



Heart Rate (beats/min)			Respiratory Rate (breaths/min)	
Age	Awake	Asleep	Age	Normal
Neonate (<28 d)	100-205	90-160	Infant (<1 y)	30-53
Infant (1-12 mos)	100-190			
Toddler (1-2 y)	98-140	80-120	Toddler (1-2 y)	22-37
Preschool (3-5 y)	80-120	65-100	Preschool (3-5 y)	20-28
School-age (6-11 y)	75-118	58-90	School-age (6-11 y)	18-25
Adolescent (12-15 y)	60-100	50-90	Adolescent (12-15 y)	12-20

Reference: PALS Guidelines, 2015

Blood Pressure (mmHg)				
Age		Systolic	Diastolic	Systolic Hypotension
Birth (12 h)	<1 kg	39-59	16-36	<40-50
	3 kg	60-76	31-45	<50
Neonate (96 h)		67-84	35-53	<60
Infant (1-12 mos)		72-104	37-56	<70
Toddler (1-2 y)		86-106	42-63	<70 + (age in years × 2)
Preschool (3-5 y)		89-112	46-72	
School-age (6-9 y)		97-115	57-76	
Preadolescent (10-11 y)		102-120	61-80	<90
Adolescent (12-15 y)		110-131	64-83	

Reference: PALS Guidelines, 2015

For diagnosis of hypertension, refer to the 2017 AAP guidelines Table 4 & 5:
<http://pediatrics.aappublications.org/content/early/2017/08/21/peds.2017-1904>

Temperature (°C)		Oxygen Saturation (SpO ₂)
Method	Normal	<p>SpO₂ is lower in the immediate newborn period. Beyond this period, a SpO₂ of <90-92% may suggest a respiratory condition or cyanotic heart disease.</p>
Rectal	36.6-38.0	
Tympanic	35.8-38.0	
Oral	35.5-37.5	
Axillary	36.5-37.5	
<p>Ranges do not vary with age. Screening: axillary, temporal, tympanic (↓ accuracy) Definitive: rectal & oral (↑ reflection of core temp.) Reference: CPS Position Statement on Temperature Measurement in Pediatrics (2015)</p>		