

Pediatric Vital Signs Reference Chart

This table, along with our detailed references can be found online at http://www.pedscases.com/pediatric-vital-signsreference-chart. For a more detailed approach to this topic, see our podcast on "Pediatric Vital Signs."

Heart Rate			Respiratory Rate	
Normal Heart Rate by Age (beats/minute) Reference: PALS Guidelines, 2015			Normal Respiratory Rate by Age (breaths/minute)	
Age	Awake	Sleeping	Reference: PAL	S Guidelines, 2015
Neonate (<28 d)	Rate 100-205	Rate 90-160	Age	Normal Respiratory Rate
Infant (1 mo-1 y)	100-203	90-160	Infants (<1 y)	30-53
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
	00 100			
Blood Pressure				
Normal Blood Pressure by Age (mm Hg) Reference: PALS Guidelines, 2015				
Age	Systolic	Pressure	Diastolic Pressure	Systolic Hypotension
Birth (12 h, <1000 g)	39	9-59	16-36	<40-50
Birth (12 h, 3 kg)	6	0-76	31-45	<50
Neonate (96 h)	6	7-84	35-53	<60
Infant (1-12 mo)	72	-104	37-56	<70
Toddler (1-2 y)	86	-106	42-63	<70 + (age in years x 2)
Preschooler (3-5 y)		-112	46-72	<70 + (age in years x 2)
School-age (6-9 y)		-115	57-76	<70 + (age in years x 2)
Preadolescent (10-11 y)	102	2-120	61-80	<90
Adolescent (12-15 y))-131	64-83	<90
For diagnosis of hypertension refer to the 2017 AAP guidelines Table 4 and 5:				
http://pediatrics.aappublications.org/content/early/2017/08/21/peds.2017-1904.				
Temperature			Oxygen Saturation	
Normal Temperature Range by Method Reference: CPS Position Statement on Temperature Measurement in Pediatrics, 2015				
Method	Tempera		Normal pediatric pulse oximetry (SPO2) values have not yet been firmly established. SPO2 is lower in the immediate newborn period. Beyond	
Rectal	36.6			
Ear	35.8			
Oral	35.5-	35.5-37.5 this period, a SPO2 of <92% should be a cau		
Axillary	36.5-37.5		concern and may suggest a respiratory disease or	
Temperature ranges do tympanic and temporal accurate). Rectal and measurement (unless cor	temps for so oral temps	cyanotic heart disease.		