

## Pediatric Vital Signs **PUBLIC COMMENT JANUARY 2025**

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

Blood Pressure (mmHg) <sup>2</sup>				
Age	Systolic	Diastolic	MAP	Systolic Hypotension (mmHg)
Birth (12 h, <1 kg) <sup>3</sup>	39-59	16-36	28-42	<40-50
Birth (12 h, 3 kg) <sup>3</sup>	60-76	31-45	48-57	<50
Neonate (96 h-28 days)	67-76	35-53	45-60	<60
Infant (1-12 months)	72-104	37-56	50-62	<70
Toddler (1-2 y)	86-106	42-63	49-62	<70 + (age in years x 2)
Preschooler (3-5 y)	89-112	46-72	58-69	
School-age (6-9 y)	97-115	57-76	66-72	
Preadolescent (10-12 y)	102-120	61-80	71-79	<90
Adolescent (12-15 y)	110-131	64-83	73-84	

*Source: AHA-PALS Guidelines 2020*

<sup>1</sup> Always consider the patients normal range and clinical condition. Heart rate, and respiratory rate is expected to increase in the presence of fever or stress.

<sup>2</sup> Systolic and diastolic blood pressure ranges assume 50<sup>th</sup> percentile for height for children 1 year and older.

<sup>3</sup> SPO2 may be lower in the immediate newborn period.