

Pediatric Vital Signs

Age	Weight (kilograms)	Pulse	Respirations	Systolic BP	Diastolic BP
Premature	1	145	< 40	42 +/- 10	21 +/- 8
Premature	1-2	135	--	50 +/- 10	28 +/- 8
Newborn	2-3	125	--	60 +/- 10	37 +/- 8
1 month	4	120	24-35	80 +/- 16	46 +/- 16
6 month	7	130	--	89 +/- 29	60 +/- 10
1 year	10	120	20-30	96 +/- 30	66 +/- 25
2-3 years	12-14	115	--	99 +/- 25	64 +/- 25
4-5 years	16-18	100	--	99 +/- 20	65 +/- 20
6-9 years	20-26	100	12-25	100 +/- 20	65 +/- 15
10-12 years	32-42	75	--	112 +/- 20	68 +/- 15
Over 14 years	> 50	70	12-18	120 +/- 20	75 +/- 15

Systolic BP = Top number in blood pressure

Diastolic BP = Bottom number in blood pressure

Typical Vital Signs in the Pediatric Population

Normal vital signs of infants and children are different from those of adults. The chart shows normal vital signs for prematurity to age 14 years. For weight, note that 1 kg = 2.2 pounds. For pulse and respiration, the values given are per one minute. The blood pressure (BP) values are in mm Hg with the systolic value (top number of blood pressure) over the diastolic value (bottom number of blood pressure). For example, in adults a normal blood pressure would be 120 mm Hg/ 80 mm Hg with 120 being the systolic value and 80 being the diastolic value.

Jorden RC. Multiple Trauma. In: Rosen P, Barkin R et al, eds. *Emergency Medicine - Concepts and Clinical Practice* 3rd ed. St. Louis: Mosby; 1990:281-282.