

2011 Vital Signs in Children

| Heart Rate (rate/min) | | |
|-----------------------|------------|---------------|
| Age | Awake Rate | Sleeping Rate |
| Newborn to 3 months | 85 to 205 | 80 to 160 |
| 3 months to 2 years | 100 to 190 | 75 to 160 |
| 2 to 10 years | 60 to 140 | 60 to 90 |
| >10 years | 60 to 100 | 50 to 90 |

| Respiratory Rate (breaths/min) | |
|--------------------------------|----------|
| Age | Rate |
| Infant | 30 to 60 |
| Toddler | 24 to 40 |
| Preschooler | 22 to 34 |
| School-age child | 18 to 30 |
| Adolescent | 12 to 16 |

| Definition of Hypotension by Systolic Blood Pressure and Age | |
|--|--------------------------------------|
| Age | Systolic Blood Pressure |
| Term neonates (0 to 28 days) | <60 mm Hg |
| Infants (1 to 12 months) | <70 mm Hg |
| Children 1 to 10 years (5th BP percentile) | <70 mm Hg + (age in years x 2) mm Hg |
| Children >10 years | <90 mm Hg |
| US Dept of Health. 2011 | |