



# EM CASES

## Pediatric 90<sup>th</sup> Centile Cut-Offs

Age	HR	RR
0-3mo	164	57
3-6mo	159	55
6-9mo	152	52
9-12mo	145	50
12-18mo	140	46
18-24mo	135	40
2-3yr	128	34
3-4yr	123	29
4-6yr	117	27
6-8yr	111	24
8-12yr	103	22
12-15yr	96	21
15-18yr	92	19

Excerpt From Emergency Medicine Cases Episode 89: PALS  
Data from systematic review conducted by Fleming et al.

Fleming S, Thompson M, Stevens R, et al. Normal ranges of heart rate and respiratory rate in children from birth to 18 years of age: a systematic review of observational studies. Lancet. 2011;377(9770):1011-8.