

# International Newborn Size Standards



## Head Circumference (cm) Boys

INTERGROWTH-21<sup>st</sup>



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
33+0	26.5	28.1	29.5	30.9	32.3	33.8	35.5
33+1	26.6	28.2	29.6	31.0	32.4	33.9	35.6
33+2	26.7	28.3	29.7	31.1	32.5	34.0	35.6
33+3	26.8	28.4	29.8	31.1	32.5	34.0	35.7
33+4	26.9	28.5	29.9	31.2	32.6	34.1	35.8
33+5	27.0	28.6	30.0	31.3	32.7	34.2	35.8
33+6	27.1	28.7	30.1	31.4	32.8	34.2	35.9
34+0	27.2	28.8	30.1	31.5	32.8	34.3	36.0
34+1	27.3	28.9	30.2	31.6	32.9	34.4	36.0
34+2	27.4	28.9	30.3	31.6	33.0	34.4	36.1
34+3	27.5	29.0	30.4	31.7	33.1	34.5	36.1
34+4	27.6	29.1	30.5	31.8	33.1	34.6	36.2
34+5	27.7	29.2	30.6	31.9	33.2	34.6	36.2
34+6	27.8	29.3	30.7	31.9	33.3	34.7	36.3
35+0	27.9	29.4	30.7	32.0	33.3	34.8	36.4
35+1	28.0	29.5	30.8	32.1	33.4	34.8	36.4
35+2	28.1	29.6	30.9	32.2	33.5	34.9	36.5
35+3	28.2	29.7	31.0	32.2	33.6	34.9	36.5
35+4	28.3	29.7	31.1	32.3	33.6	35.0	36.6
35+5	28.4	29.8	31.1	32.4	33.7	35.1	36.6
35+6	28.4	29.9	31.2	32.5	33.8	35.1	36.7
36+0	28.5	30.0	31.3	32.5	33.8	35.2	36.7
36+1	28.6	30.1	31.4	32.6	33.9	35.3	36.8
36+2	28.7	30.2	31.4	32.7	34.0	35.3	36.9
36+3	28.8	30.2	31.5	32.8	34.0	35.4	36.9
36+4	28.9	30.3	31.6	32.8	34.1	35.4	37.0
36+5	29.0	30.4	31.7	32.9	34.1	35.5	37.0
36+6	29.0	30.5	31.7	33.0	34.2	35.5	37.1
37+0	29.1	30.5	31.8	33.0	34.3	35.6	37.1
37+1	29.2	30.6	31.9	33.1	34.3	35.7	37.2
37+2	29.3	30.7	32.0	33.2	34.4	35.7	37.2
37+3	29.4	30.8	32.0	33.2	34.5	35.8	37.3
37+4	29.4	30.8	32.1	33.3	34.5	35.8	37.3
37+5	29.5	30.9	32.2	33.3	34.6	35.9	37.4
37+6	29.6	31.0	32.2	33.4	34.6	35.9	37.4

# International Newborn Size Standards



## Head Circumference (cm) Boys

INTERGROWTH-21<sup>st</sup>



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
38+0	29.7	31.1	32.3	33.5	34.7	36.0	37.5
38+1	29.8	31.1	32.4	33.5	34.8	36.0	37.5
38+2	29.8	31.2	32.4	33.6	34.8	36.1	37.6
38+3	29.9	31.3	32.5	33.7	34.9	36.2	37.6
38+4	30.0	31.3	32.6	33.7	34.9	36.2	37.7
38+5	30.1	31.4	32.6	33.8	35.0	36.3	37.7
38+6	30.1	31.5	32.7	33.8	35.0	36.3	37.8
39+0	30.2	31.5	32.8	33.9	35.1	36.4	37.8
39+1	30.3	31.6	32.8	34.0	35.1	36.4	37.8
39+2	30.3	31.7	32.9	34.0	35.2	36.5	37.9
39+3	30.4	31.7	32.9	34.1	35.3	36.5	37.9
39+4	30.5	31.8	33.0	34.1	35.3	36.6	38.0
39+5	30.5	31.9	33.1	34.2	35.4	36.6	38.0
39+6	30.6	31.9	33.1	34.3	35.4	36.7	38.1
40+0	30.7	32.0	33.2	34.3	35.5	36.7	38.1
40+1	30.8	32.1	33.2	34.4	35.5	36.8	38.2
40+2	30.8	32.1	33.3	34.4	35.6	36.8	38.2
40+3	30.9	32.2	33.4	34.5	35.6	36.9	38.3
40+4	31.0	32.3	33.4	34.5	35.7	36.9	38.3
40+5	31.0	32.3	33.5	34.6	35.7	37.0	38.4
40+6	31.1	32.4	33.5	34.7	35.8	37.0	38.4
41+0	31.1	32.4	33.6	34.7	35.8	37.1	38.4
41+1	31.2	32.5	33.7	34.8	35.9	37.1	38.5
41+2	31.3	32.6	33.7	34.8	35.9	37.2	38.5
41+3	31.3	32.6	33.8	34.9	36.0	37.2	38.6
41+4	31.4	32.7	33.8	34.9	36.0	37.3	38.6
41+5	31.5	32.7	33.9	35.0	36.1	37.3	38.7
41+6	31.5	32.8	33.9	35.0	36.1	37.3	38.7
42+0	31.6	32.9	34.0	35.1	36.2	37.4	38.7
42+1	31.6	32.9	34.0	35.1	36.2	37.4	38.8
42+2	31.7	33.0	34.1	35.2	36.3	37.5	38.8
42+3	31.8	33.0	34.2	35.2	36.3	37.5	38.9
42+4	31.8	33.1	34.2	35.3	36.4	37.6	38.9
42+5	31.9	33.1	34.3	35.3	36.4	37.6	39.0
42+6	31.9	33.2	34.3	35.4	36.5	37.7	39.0