

International Newborn Size Standards



Birthweight (kg) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
33+0	1.18	1.28	1.43	1.95	2.52	2.70	2.82
33+1	1.22	1.32	1.47	1.99	2.56	2.74	2.86
33+2	1.26	1.36	1.51	2.03	2.60	2.77	2.90
33+3	1.30	1.40	1.55	2.07	2.64	2.81	2.93
33+4	1.34	1.44	1.59	2.11	2.67	2.85	2.97
33+5	1.38	1.48	1.63	2.15	2.71	2.89	3.01
33+6	1.42	1.52	1.67	2.18	2.75	2.93	3.05
34+0	1.45	1.55	1.71	2.22	2.79	2.96	3.08
34+1	1.49	1.59	1.74	2.26	2.82	3.00	3.12
34+2	1.53	1.63	1.78	2.29	2.86	3.03	3.15
34+3	1.56	1.66	1.82	2.33	2.89	3.07	3.19
34+4	1.60	1.70	1.85	2.36	2.93	3.10	3.22
34+5	1.63	1.73	1.89	2.40	2.96	3.14	3.26
34+6	1.67	1.77	1.92	2.43	3.00	3.17	3.29
35+0	1.70	1.80	1.95	2.47	3.03	3.20	3.32
35+1	1.74	1.84	1.99	2.50	3.06	3.24	3.36
35+2	1.77	1.87	2.02	2.53	3.09	3.27	3.39
35+3	1.80	1.90	2.05	2.56	3.13	3.30	3.42
35+4	1.83	1.94	2.09	2.60	3.16	3.33	3.45
35+5	1.87	1.97	2.12	2.63	3.19	3.36	3.48
35+6	1.90	2.00	2.15	2.66	3.22	3.39	3.51
36+0	1.93	2.03	2.18	2.69	3.25	3.42	3.54
36+1	1.96	2.06	2.21	2.72	3.28	3.45	3.57
36+2	1.99	2.09	2.24	2.75	3.31	3.48	3.60
36+3	2.02	2.12	2.27	2.78	3.34	3.51	3.63
36+4	2.05	2.15	2.30	2.81	3.37	3.54	3.66
36+5	2.08	2.18	2.33	2.84	3.39	3.57	3.69
36+6	2.11	2.21	2.36	2.86	3.42	3.60	3.72
37+0	2.13	2.24	2.38	2.89	3.45	3.62	3.74
37+1	2.16	2.26	2.41	2.92	3.48	3.65	3.77
37+2	2.19	2.29	2.44	2.95	3.50	3.68	3.80
37+3	2.22	2.32	2.47	2.97	3.53	3.70	3.82
37+4	2.24	2.34	2.49	3.00	3.55	3.73	3.85
37+5	2.27	2.37	2.52	3.02	3.58	3.75	3.87
37+6	2.29	2.39	2.54	3.05	3.61	3.78	3.90

International Newborn Size Standards



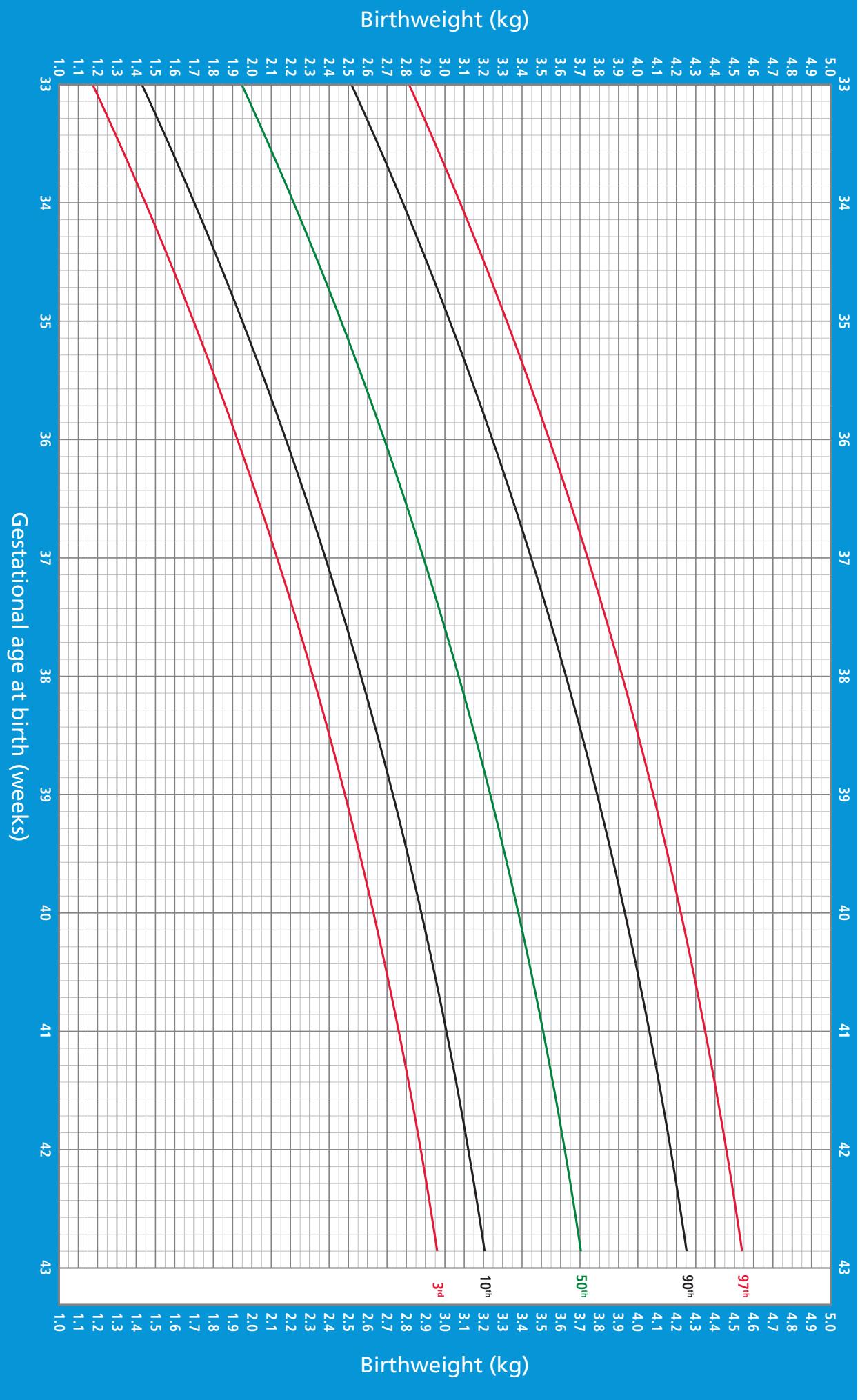
INTERGROWTH-21st

Birthweight (kg) Boys



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
38+0	2.32	2.42	2.57	3.07	3.63	3.80	3.92
38+1	2.34	2.44	2.59	3.10	3.65	3.83	3.95
38+2	2.37	2.47	2.62	3.12	3.68	3.85	3.97
38+3	2.39	2.49	2.64	3.15	3.70	3.87	3.99
38+4	2.42	2.52	2.67	3.17	3.72	3.90	4.02
38+5	2.44	2.54	2.69	3.19	3.75	3.92	4.04
38+6	2.46	2.56	2.71	3.22	3.77	3.94	4.06
39+0	2.49	2.59	2.73	3.24	3.79	3.96	4.08
39+1	2.51	2.61	2.76	3.26	3.81	3.99	4.10
39+2	2.53	2.63	2.78	3.28	3.83	4.01	4.12
39+3	2.55	2.65	2.80	3.30	3.86	4.03	4.15
39+4	2.57	2.67	2.82	3.32	3.88	4.05	4.17
39+5	2.59	2.69	2.84	3.34	3.90	4.07	4.19
39+6	2.61	2.71	2.86	3.36	3.92	4.09	4.21
40+0	2.63	2.73	2.88	3.38	3.94	4.11	4.22
40+1	2.65	2.75	2.90	3.40	3.95	4.13	4.24
40+2	2.67	2.77	2.92	3.42	3.97	4.15	4.26
40+3	2.69	2.79	2.94	3.44	3.99	4.16	4.28
40+4	2.71	2.81	2.96	3.46	4.01	4.18	4.30
40+5	2.73	2.83	2.98	3.48	4.03	4.20	4.32
40+6	2.75	2.85	2.99	3.49	4.04	4.22	4.33
41+0	2.76	2.86	3.01	3.51	4.06	4.23	4.35
41+1	2.78	2.88	3.03	3.53	4.08	4.25	4.37
41+2	2.80	2.90	3.05	3.55	4.09	4.27	4.38
41+3	2.82	2.91	3.06	3.56	4.11	4.28	4.40
41+4	2.83	2.93	3.08	3.58	4.13	4.30	4.42
41+5	2.85	2.95	3.09	3.59	4.14	4.31	4.43
41+6	2.86	2.96	3.11	3.61	4.16	4.33	4.45
42+0	2.88	2.98	3.12	3.62	4.17	4.34	4.46
42+1	2.89	2.99	3.14	3.64	4.19	4.36	4.47
42+2	2.91	3.01	3.15	3.65	4.20	4.37	4.49
42+3	2.92	3.02	3.17	3.67	4.21	4.39	4.50
42+4	2.94	3.04	3.18	3.68	4.23	4.40	4.52
42+5	2.95	3.05	3.20	3.69	4.24	4.41	4.53
42+6	2.96	3.06	3.21	3.71	4.25	4.43	4.54

International Newborn Size Standards Weight (Boys)



International Newborn Size Standards



Length (cm) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
33+0	39.7	40.3	41.1	43.8	46.6	47.4	48.0
33+1	39.9	40.5	41.3	44.0	46.7	47.5	48.1
33+2	40.1	40.7	41.5	44.2	46.9	47.7	48.3
33+3	40.3	40.8	41.7	44.3	47.0	47.8	48.4
33+4	40.5	41.0	41.8	44.5	47.2	48.0	48.5
33+5	40.7	41.2	42.0	44.7	47.3	48.1	48.7
33+6	40.9	41.4	42.2	44.8	47.5	48.3	48.8
34+0	41.1	41.6	42.4	45.0	47.6	48.4	48.9
34+1	41.2	41.8	42.6	45.1	47.7	48.5	49.1
34+2	41.4	41.9	42.7	45.3	47.9	48.7	49.2
34+3	41.6	42.1	42.9	45.4	48.0	48.8	49.3
34+4	41.8	42.3	43.1	45.6	48.1	48.9	49.5
34+5	41.9	42.5	43.2	45.7	48.3	49.1	49.6
34+6	42.1	42.6	43.4	45.9	48.4	49.2	49.7
35+0	42.3	42.8	43.5	46.0	48.5	49.3	49.8
35+1	42.4	42.9	43.7	46.2	48.7	49.4	49.9
35+2	42.6	43.1	43.9	46.3	48.8	49.5	50.1
35+3	42.8	43.3	44.0	46.4	48.9	49.7	50.2
35+4	42.9	43.4	44.2	46.6	49.0	49.8	50.3
35+5	43.1	43.6	44.3	46.7	49.1	49.9	50.4
35+6	43.2	43.7	44.4	46.8	49.3	50.0	50.5
36+0	43.4	43.9	44.6	47.0	49.4	50.1	50.6
36+1	43.5	44.0	44.7	47.1	49.5	50.2	50.7
36+2	43.7	44.1	44.9	47.2	49.6	50.3	50.8
36+3	43.8	44.3	45.0	47.4	49.7	50.4	50.9
36+4	43.9	44.4	45.1	47.5	49.8	50.6	51.0
36+5	44.1	44.6	45.3	47.6	49.9	50.7	51.1
36+6	44.2	44.7	45.4	47.7	50.0	50.8	51.2
37+0	44.3	44.8	45.5	47.8	50.1	50.9	51.3
37+1	44.5	45.0	45.7	47.9	50.2	51.0	51.4
37+2	44.6	45.1	45.8	48.1	50.4	51.1	51.5
37+3	44.7	45.2	45.9	48.2	50.5	51.2	51.6
37+4	44.9	45.3	46.0	48.3	50.6	51.2	51.7
37+5	45.0	45.5	46.1	48.4	50.6	51.3	51.8
37+6	45.1	45.6	46.3	48.5	50.7	51.4	51.9

International Newborn Size Standards



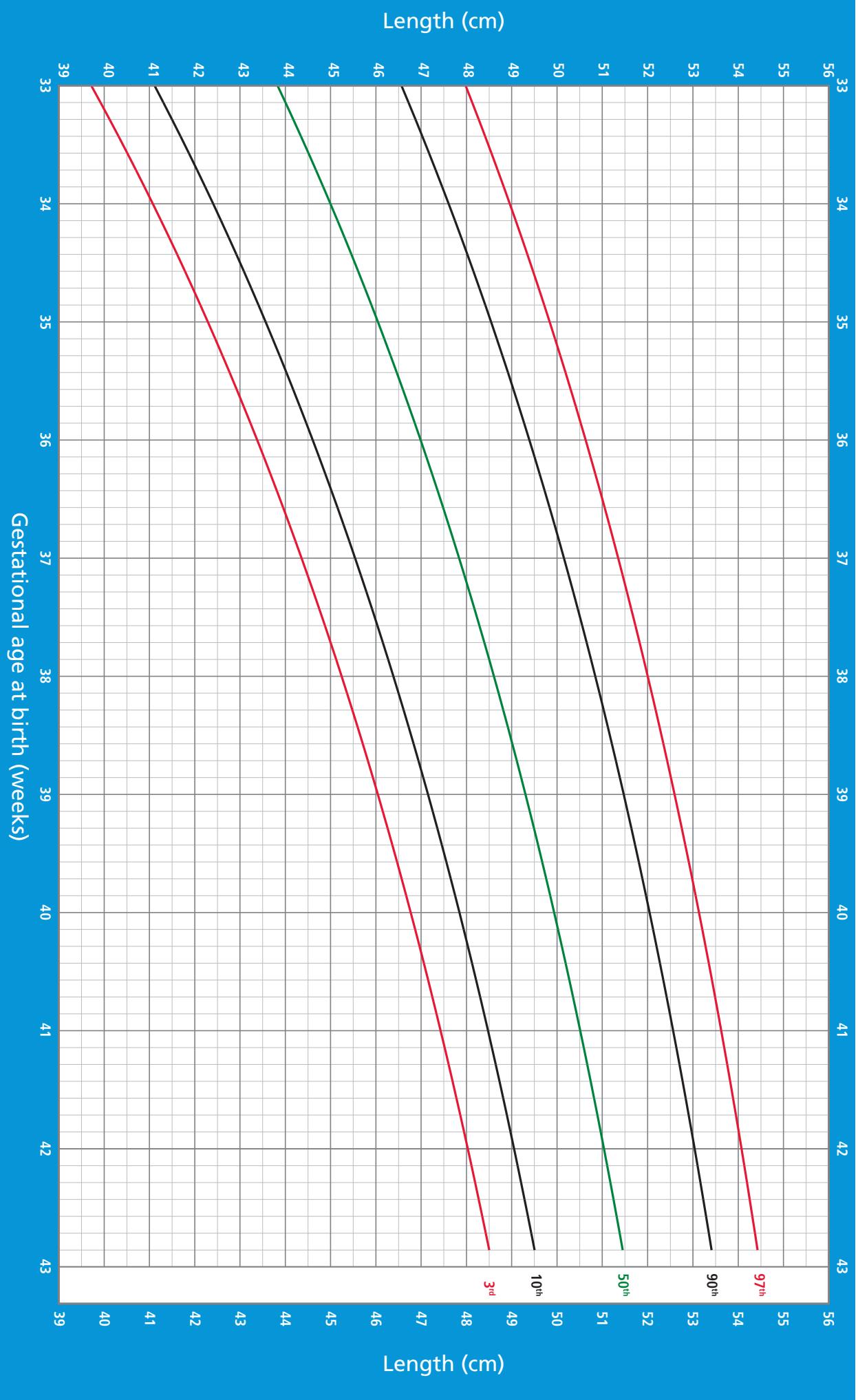
Length (cm) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
38+0	45.2	45.7	46.4	48.6	50.8	51.5	52.0
38+1	45.3	45.8	46.5	48.7	50.9	51.6	52.1
38+2	45.5	45.9	46.6	48.8	51.0	51.7	52.2
38+3	45.6	46.0	46.7	48.9	51.1	51.8	52.3
38+4	45.7	46.2	46.8	49.0	51.2	51.9	52.3
38+5	45.8	46.3	46.9	49.1	51.3	52.0	52.4
38+6	45.9	46.4	47.0	49.2	51.4	52.1	52.5
39+0	46.0	46.5	47.1	49.3	51.5	52.1	52.6
39+1	46.1	46.6	47.2	49.4	51.6	52.2	52.7
39+2	46.2	46.7	47.3	49.5	51.6	52.3	52.8
39+3	46.4	46.8	47.4	49.6	51.7	52.4	52.8
39+4	46.5	46.9	47.5	49.7	51.8	52.5	52.9
39+5	46.6	47.0	47.6	49.8	51.9	52.5	53.0
39+6	46.7	47.1	47.7	49.8	52.0	52.6	53.1
40+0	46.8	47.2	47.8	49.9	52.0	52.7	53.1
40+1	46.9	47.3	47.9	50.0	52.1	52.8	53.2
40+2	47.0	47.4	48.0	50.1	52.2	52.8	53.3
40+3	47.0	47.5	48.1	50.2	52.3	52.9	53.3
40+4	47.1	47.6	48.2	50.3	52.3	53.0	53.4
40+5	47.2	47.7	48.3	50.3	52.4	53.1	53.5
40+6	47.3	47.8	48.4	50.4	52.5	53.1	53.6
41+0	47.4	47.8	48.5	50.5	52.6	53.2	53.6
41+1	47.5	47.9	48.6	50.6	52.6	53.3	53.7
41+2	47.6	48.0	48.6	50.7	52.7	53.3	53.8
41+3	47.7	48.1	48.7	50.7	52.8	53.4	53.8
41+4	47.8	48.2	48.8	50.8	52.8	53.5	53.9
41+5	47.9	48.3	48.9	50.9	52.9	53.5	53.9
41+6	47.9	48.4	49.0	51.0	53.0	53.6	54.0
42+0	48.0	48.4	49.0	51.0	53.0	53.7	54.1
42+1	48.1	48.5	49.1	51.1	53.1	53.7	54.1
42+2	48.2	48.6	49.2	51.2	53.2	53.8	54.2
42+3	48.3	48.7	49.3	51.2	53.2	53.8	54.3
42+4	48.3	48.7	49.3	51.3	53.3	53.9	54.3
42+5	48.4	48.8	49.4	51.4	53.3	54.0	54.4
42+6	48.5	48.9	49.5	51.4	53.4	54.0	54.4

International Newborn Size Standards Length (Boys)



International Newborn Size Standards



INTERGROWTH-21st

Head Circumference (cm) Boys



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
33+0	28.2	28.6	29.1	30.9	32.7	33.3	33.6
33+1	28.4	28.7	29.2	31.0	32.8	33.3	33.7
33+2	28.5	28.8	29.3	31.1	32.9	33.4	33.8
33+3	28.5	28.9	29.4	31.1	32.9	33.5	33.8
33+4	28.6	29.0	29.5	31.2	33.0	33.6	33.9
33+5	28.7	29.1	29.6	31.3	33.1	33.6	34.0
33+6	28.8	29.2	29.7	31.4	33.2	33.7	34.1
34+0	28.9	29.3	29.8	31.5	33.2	33.8	34.1
34+1	29.0	29.4	29.9	31.6	33.3	33.8	34.2
34+2	29.1	29.4	29.9	31.6	33.4	33.9	34.3
34+3	29.2	29.5	30.0	31.7	33.5	34.0	34.3
34+4	29.3	29.6	30.1	31.8	33.5	34.0	34.4
34+5	29.4	29.7	30.2	31.9	33.6	34.1	34.5
34+6	29.5	29.8	30.3	31.9	33.7	34.2	34.5
35+0	29.6	29.9	30.4	32.0	33.7	34.2	34.6
35+1	29.7	30.0	30.5	32.1	33.8	34.3	34.6
35+2	29.7	30.1	30.5	32.2	33.9	34.4	34.7
35+3	29.8	30.1	30.6	32.2	33.9	34.4	34.8
35+4	29.9	30.2	30.7	32.3	34.0	34.5	34.8
35+5	30.0	30.3	30.8	32.4	34.1	34.6	34.9
35+6	30.1	30.4	30.9	32.5	34.1	34.6	35.0
36+0	30.2	30.5	30.9	32.5	34.2	34.7	35.0
36+1	30.2	30.5	31.0	32.6	34.3	34.8	35.1
36+2	30.3	30.6	31.1	32.7	34.3	34.8	35.1
36+3	30.4	30.7	31.2	32.8	34.4	34.9	35.2
36+4	30.5	30.8	31.2	32.8	34.4	34.9	35.3
36+5	30.5	30.9	31.3	32.9	34.5	35.0	35.3
36+6	30.6	30.9	31.4	33.0	34.6	35.1	35.4
37+0	30.7	31.0	31.5	33.0	34.6	35.1	35.4
37+1	30.8	31.1	31.5	33.1	34.7	35.2	35.5
37+2	30.8	31.2	31.6	33.2	34.8	35.2	35.6
37+3	30.9	31.2	31.7	33.2	34.8	35.3	35.6
37+4	31.0	31.3	31.7	33.3	34.9	35.3	35.7
37+5	31.1	31.4	31.8	33.3	34.9	35.4	35.7
37+6	31.1	31.4	31.9	33.4	35.0	35.5	35.8

International Newborn Size Standards



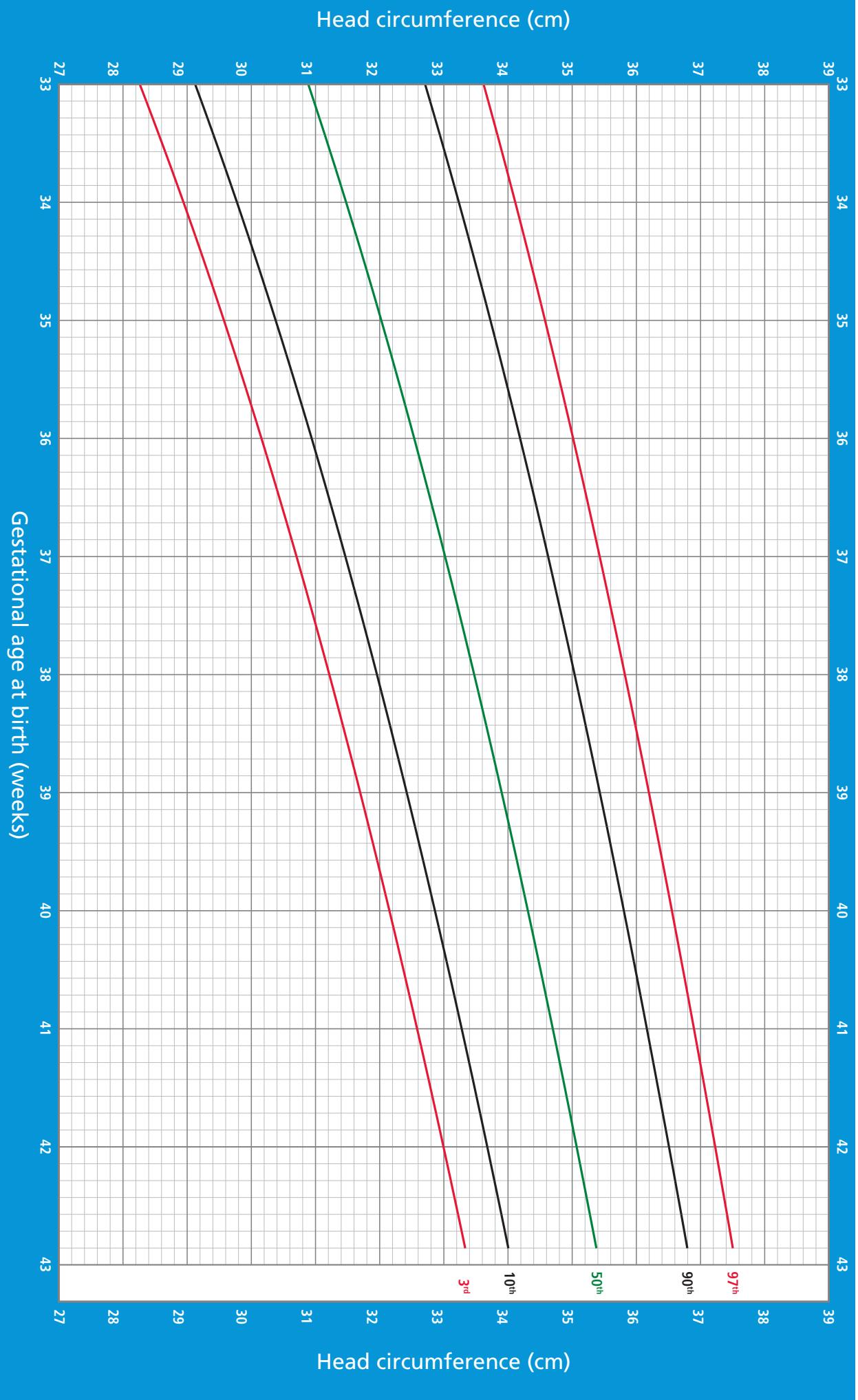
Head Circumference (cm) Boys

INTERGROWTH-21st

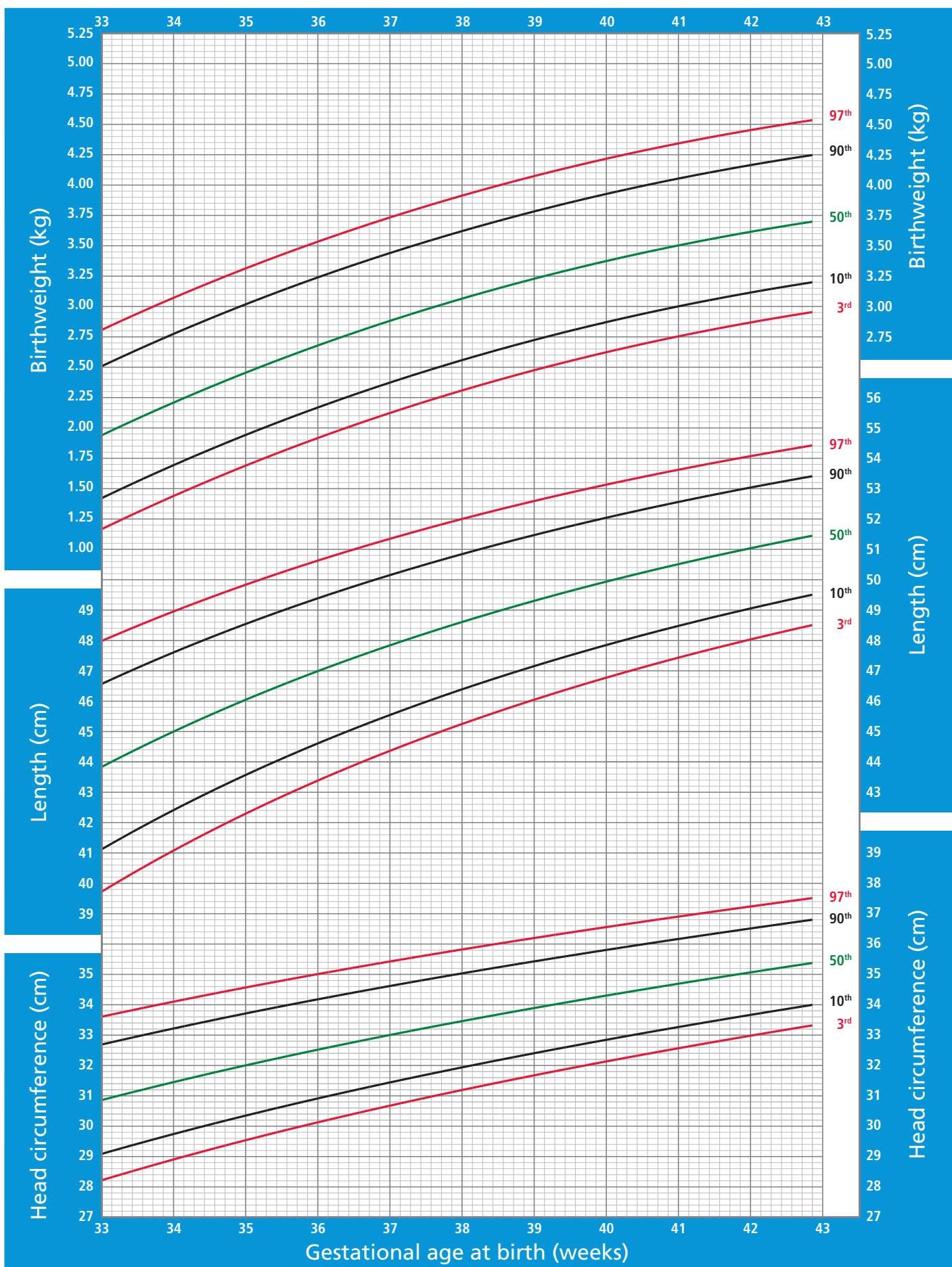


Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
38+0	31.2	31.5	32.0	33.5	35.0	35.5	35.8
38+1	31.3	31.6	32.0	33.5	35.1	35.6	35.9
38+2	31.4	31.6	32.1	33.6	35.2	35.6	35.9
38+3	31.4	31.7	32.2	33.7	35.2	35.7	36.0
38+4	31.5	31.8	32.2	33.7	35.3	35.7	36.0
38+5	31.6	31.9	32.3	33.8	35.3	35.8	36.1
38+6	31.6	31.9	32.4	33.8	35.4	35.8	36.2
39+0	31.7	32.0	32.4	33.9	35.4	35.9	36.2
39+1	31.8	32.1	32.5	34.0	35.5	36.0	36.3
39+2	31.8	32.1	32.6	34.0	35.5	36.0	36.3
39+3	31.9	32.2	32.6	34.1	35.6	36.1	36.4
39+4	32.0	32.2	32.7	34.1	35.7	36.1	36.4
39+5	32.0	32.3	32.7	34.2	35.7	36.2	36.5
39+6	32.1	32.4	32.8	34.3	35.8	36.2	36.5
40+0	32.2	32.4	32.9	34.3	35.8	36.3	36.6
40+1	32.2	32.5	32.9	34.4	35.9	36.3	36.6
40+2	32.3	32.6	33.0	34.4	35.9	36.4	36.7
40+3	32.3	32.6	33.0	34.5	36.0	36.4	36.7
40+4	32.4	32.7	33.1	34.5	36.0	36.5	36.8
40+5	32.5	32.7	33.2	34.6	36.1	36.5	36.8
40+6	32.5	32.8	33.2	34.7	36.1	36.6	36.9
41+0	32.6	32.9	33.3	34.7	36.2	36.6	36.9
41+1	32.6	32.9	33.3	34.8	36.2	36.7	37.0
41+2	32.7	33.0	33.4	34.8	36.3	36.7	37.0
41+3	32.8	33.0	33.5	34.9	36.3	36.8	37.1
41+4	32.8	33.1	33.5	34.9	36.4	36.8	37.1
41+5	32.9	33.2	33.6	35.0	36.4	36.9	37.2
41+6	32.9	33.2	33.6	35.0	36.5	36.9	37.2
42+0	33.0	33.3	33.7	35.1	36.5	37.0	37.2
42+1	33.1	33.3	33.7	35.1	36.6	37.0	37.3
42+2	33.1	33.4	33.8	35.2	36.6	37.0	37.3
42+3	33.2	33.4	33.8	35.2	36.7	37.1	37.4
42+4	33.2	33.5	33.9	35.3	36.7	37.1	37.4
42+5	33.3	33.6	34.0	35.3	36.8	37.2	37.5
42+6	33.3	33.6	34.0	35.4	36.8	37.2	37.5

International Newborn Size Standards Head Circumference (Boys)



International Newborn Size Standards (Boys)



International Newborn Size Standards



INTERGROWTH-21st

Weight-Length Ratio (kg/m) Boys



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
33+0	3.09	3.26	3.53	4.48	5.44	5.71	5.88
33+1	3.16	3.34	3.61	4.56	5.51	5.78	5.95
33+2	3.23	3.41	3.68	4.63	5.58	5.85	6.02
33+3	3.31	3.48	3.75	4.70	5.64	5.91	6.09
33+4	3.38	3.55	3.82	4.76	5.71	5.98	6.15
33+5	3.44	3.62	3.89	4.83	5.78	6.04	6.22
33+6	3.51	3.69	3.95	4.90	5.84	6.11	6.28
34+0	3.58	3.75	4.02	4.96	5.90	6.17	6.34
34+1	3.64	3.82	4.08	5.02	5.96	6.23	6.40
34+2	3.71	3.88	4.15	5.09	6.02	6.29	6.46
34+3	3.77	3.94	4.21	5.15	6.08	6.35	6.52
34+4	3.83	4.00	4.27	5.21	6.14	6.41	6.58
34+5	3.89	4.07	4.33	5.27	6.20	6.47	6.64
34+6	3.95	4.12	4.39	5.32	6.25	6.52	6.69
35+0	4.01	4.18	4.45	5.38	6.31	6.58	6.75
35+1	4.07	4.24	4.51	5.43	6.36	6.63	6.80
35+2	4.13	4.30	4.56	5.49	6.42	6.68	6.85
35+3	4.18	4.35	4.62	5.54	6.47	6.73	6.90
35+4	4.24	4.41	4.67	5.59	6.52	6.78	6.95
35+5	4.29	4.46	4.72	5.65	6.57	6.83	7.00
35+6	4.34	4.51	4.77	5.70	6.62	6.88	7.05
36+0	4.39	4.56	4.82	5.74	6.66	6.93	7.10
36+1	4.44	4.61	4.87	5.79	6.71	6.97	7.14
36+2	4.49	4.66	4.92	5.84	6.76	7.02	7.19
36+3	4.54	4.71	4.97	5.89	6.80	7.06	7.23
36+4	4.59	4.76	5.02	5.93	6.85	7.11	7.28
36+5	4.64	4.80	5.06	5.98	6.89	7.15	7.32
36+6	4.68	4.85	5.11	6.02	6.93	7.19	7.36
37+0	4.73	4.89	5.15	6.06	6.97	7.23	7.40
37+1	4.77	4.94	5.20	6.11	7.01	7.27	7.44
37+2	4.81	4.98	5.24	6.15	7.05	7.31	7.48
37+3	4.86	5.02	5.28	6.19	7.09	7.35	7.52
37+4	4.90	5.06	5.32	6.23	7.13	7.39	7.55
37+5	4.94	5.11	5.36	6.27	7.17	7.43	7.59
37+6	4.98	5.15	5.40	6.30	7.20	7.46	7.63

International Newborn Size Standards



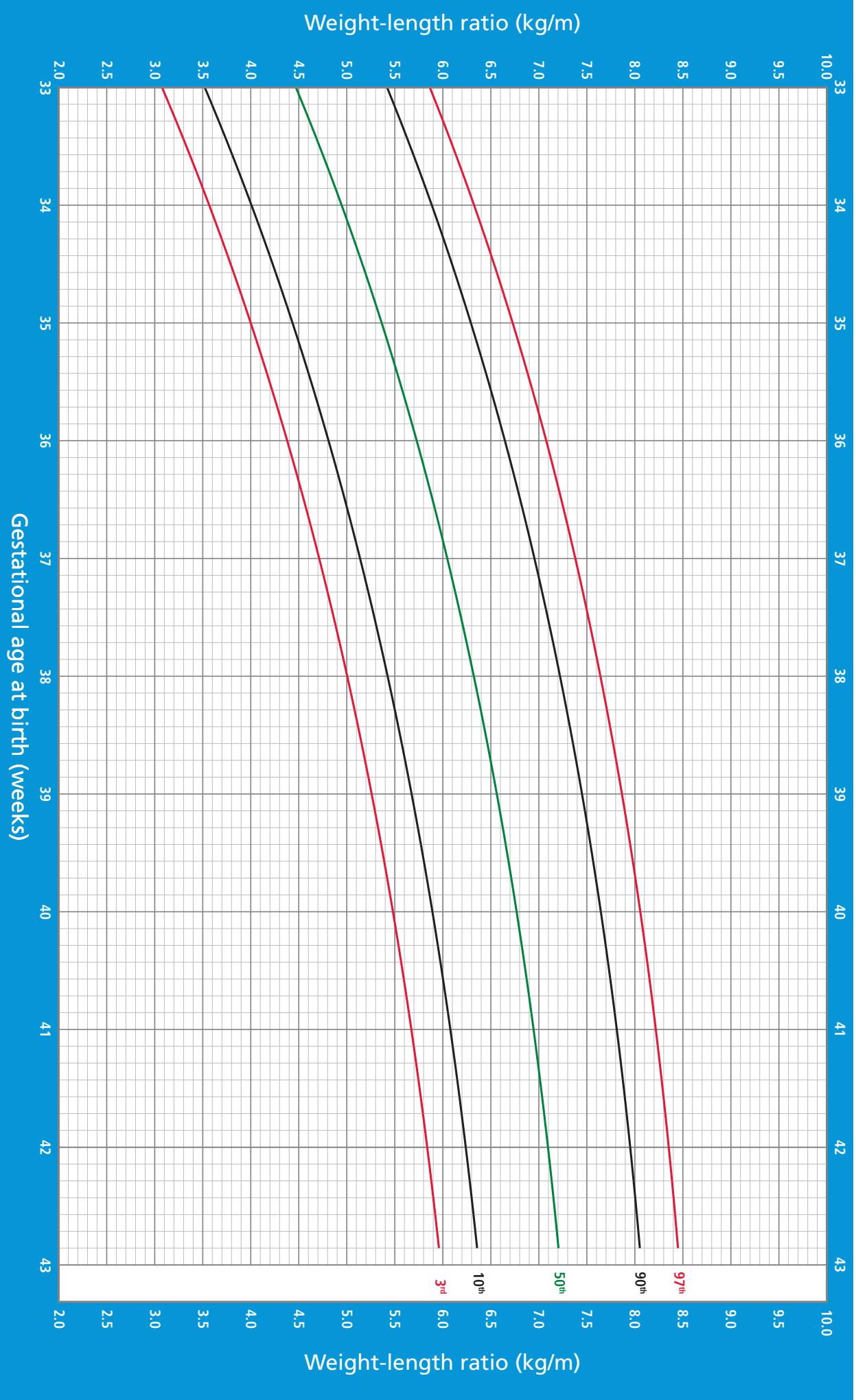
INTERGROWTH-21st

Weight-Length Ratio (kg/m) Boys



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
38+0	5.02	5.18	5.44	6.34	7.24	7.50	7.66
38+1	5.06	5.22	5.48	6.38	7.28	7.53	7.70
38+2	5.10	5.26	5.52	6.41	7.31	7.57	7.73
38+3	5.13	5.30	5.55	6.45	7.34	7.60	7.76
38+4	5.17	5.33	5.59	6.48	7.38	7.63	7.79
38+5	5.20	5.37	5.62	6.52	7.41	7.66	7.83
38+6	5.24	5.40	5.66	6.55	7.44	7.69	7.86
39+0	5.27	5.44	5.69	6.58	7.47	7.72	7.89
39+1	5.31	5.47	5.72	6.61	7.50	7.75	7.92
39+2	5.34	5.50	5.76	6.64	7.53	7.78	7.94
39+3	5.37	5.54	5.79	6.67	7.56	7.81	7.97
39+4	5.40	5.57	5.82	6.70	7.59	7.84	8.00
39+5	5.44	5.60	5.85	6.73	7.61	7.86	8.03
39+6	5.47	5.63	5.88	6.76	7.64	7.89	8.05
40+0	5.50	5.66	5.91	6.79	7.67	7.92	8.08
40+1	5.53	5.69	5.94	6.81	7.69	7.94	8.10
40+2	5.55	5.71	5.96	6.84	7.72	7.97	8.13
40+3	5.58	5.74	5.99	6.87	7.74	7.99	8.15
40+4	5.61	5.77	6.02	6.89	7.76	8.01	8.17
40+5	5.64	5.80	6.04	6.92	7.79	8.04	8.20
40+6	5.66	5.82	6.07	6.94	7.81	8.06	8.22
41+0	5.69	5.85	6.10	6.96	7.83	8.08	8.24
41+1	5.71	5.87	6.12	6.99	7.85	8.10	8.26
41+2	5.74	5.90	6.14	7.01	7.88	8.12	8.28
41+3	5.76	5.92	6.17	7.03	7.90	8.14	8.30
41+4	5.79	5.94	6.19	7.05	7.92	8.16	8.32
41+5	5.81	5.97	6.21	7.07	7.94	8.18	8.34
41+6	5.83	5.99	6.23	7.09	7.95	8.20	8.36
42+0	5.85	6.01	6.26	7.11	7.97	8.22	8.37
42+1	5.88	6.03	6.28	7.13	7.99	8.23	8.39
42+2	5.90	6.05	6.30	7.15	8.01	8.25	8.41
42+3	5.92	6.07	6.32	7.17	8.03	8.27	8.43
42+4	5.94	6.09	6.34	7.19	8.04	8.28	8.44
42+5	5.96	6.11	6.36	7.21	8.06	8.30	8.46
42+6	5.98	6.13	6.37	7.22	8.07	8.32	8.47

International Newborn Size Standards Weight-Length Ratio (Boys)



International Newborn Size Standards



INTERGROWTH-21st

Birthweight (kg) Girls



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
33+0	1.20	1.29	1.41	1.86	2.35	2.51	2.61
33+1	1.24	1.33	1.45	1.90	2.40	2.55	2.66
33+2	1.28	1.37	1.49	1.94	2.44	2.59	2.70
33+3	1.32	1.40	1.53	1.98	2.48	2.63	2.74
33+4	1.36	1.44	1.57	2.02	2.52	2.67	2.78
33+5	1.39	1.48	1.61	2.06	2.56	2.72	2.82
33+6	1.43	1.52	1.65	2.09	2.60	2.75	2.86
34+0	1.47	1.55	1.68	2.13	2.64	2.79	2.90
34+1	1.50	1.59	1.72	2.17	2.67	2.83	2.94
34+2	1.54	1.62	1.75	2.20	2.71	2.87	2.98
34+3	1.57	1.66	1.79	2.24	2.75	2.91	3.01
34+4	1.61	1.69	1.82	2.28	2.79	2.94	3.05
34+5	1.64	1.73	1.86	2.31	2.82	2.98	3.09
34+6	1.67	1.76	1.89	2.35	2.86	3.02	3.12
35+0	1.71	1.79	1.92	2.38	2.89	3.05	3.16
35+1	1.74	1.83	1.96	2.41	2.93	3.09	3.19
35+2	1.77	1.86	1.99	2.45	2.96	3.12	3.23
35+3	1.80	1.89	2.02	2.48	2.99	3.15	3.26
35+4	1.83	1.92	2.05	2.51	3.03	3.19	3.30
35+5	1.86	1.95	2.08	2.54	3.06	3.22	3.33
35+6	1.89	1.98	2.11	2.57	3.09	3.25	3.36
36+0	1.92	2.01	2.14	2.60	3.12	3.28	3.39
36+1	1.95	2.04	2.17	2.63	3.15	3.31	3.42
36+2	1.98	2.07	2.20	2.66	3.18	3.34	3.45
36+3	2.00	2.09	2.23	2.69	3.21	3.37	3.48
36+4	2.03	2.12	2.25	2.72	3.24	3.40	3.51
36+5	2.06	2.15	2.28	2.75	3.27	3.43	3.54
36+6	2.08	2.17	2.31	2.77	3.30	3.46	3.57
37+0	2.11	2.20	2.33	2.80	3.32	3.49	3.60
37+1	2.14	2.23	2.36	2.83	3.35	3.52	3.63
37+2	2.16	2.25	2.38	2.85	3.38	3.54	3.65
37+3	2.18	2.27	2.41	2.88	3.40	3.57	3.68
37+4	2.21	2.30	2.43	2.90	3.43	3.60	3.71
37+5	2.23	2.32	2.46	2.93	3.46	3.62	3.73
37+6	2.25	2.35	2.48	2.95	3.48	3.65	3.76

International Newborn Size Standards



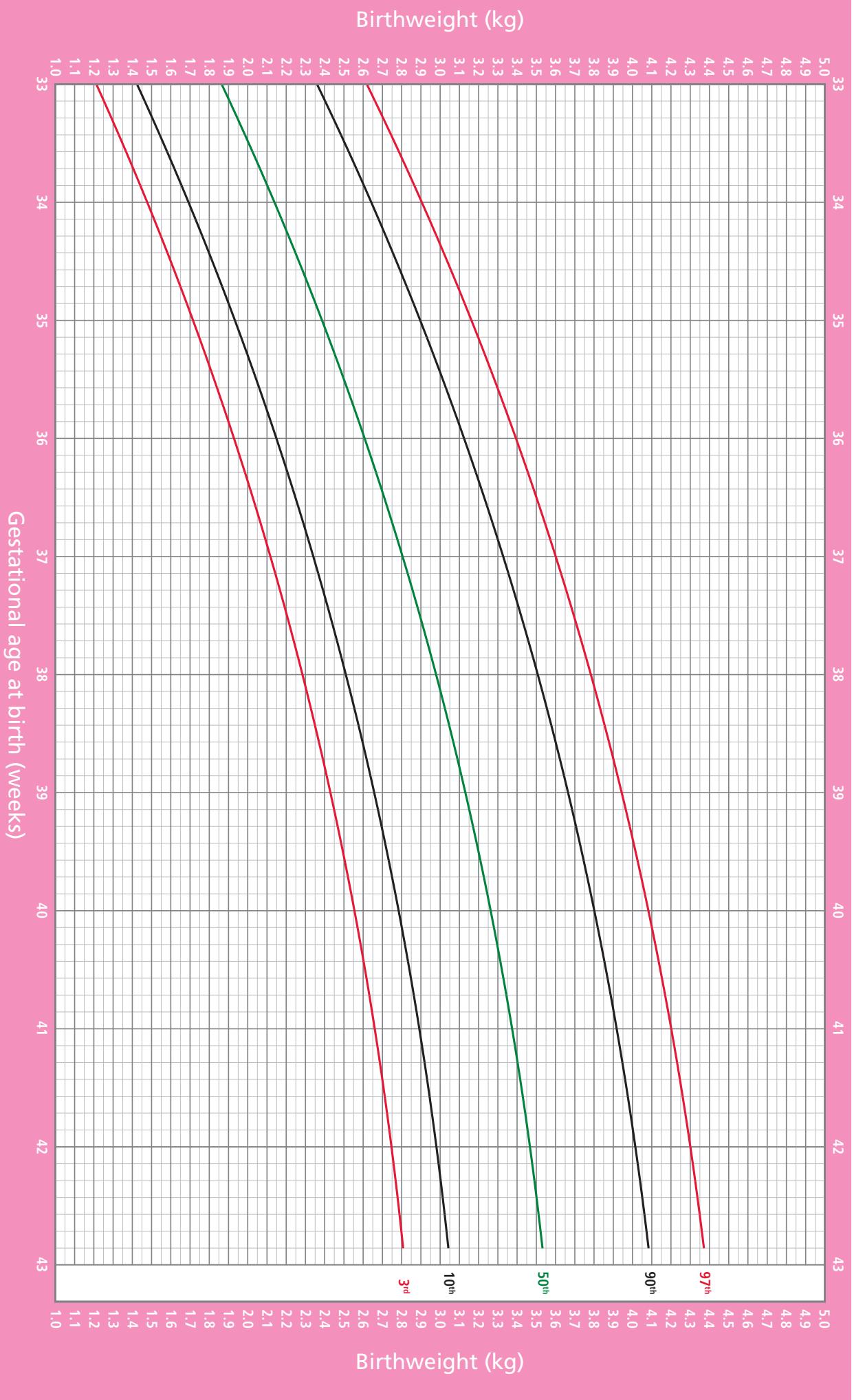
INTERGROWTH-21st

Birthweight (kg) Girls



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
38+0	2.28	2.37	2.50	2.97	3.51	3.67	3.78
38+1	2.30	2.39	2.53	3.00	3.53	3.69	3.81
38+2	2.32	2.41	2.55	3.02	3.55	3.72	3.83
38+3	2.34	2.43	2.57	3.04	3.58	3.74	3.85
38+4	2.36	2.45	2.59	3.06	3.60	3.76	3.88
38+5	2.38	2.47	2.61	3.09	3.62	3.79	3.90
38+6	2.40	2.50	2.63	3.11	3.64	3.81	3.92
39+0	2.42	2.51	2.65	3.13	3.66	3.83	3.94
39+1	2.44	2.53	2.67	3.15	3.68	3.85	3.96
39+2	2.46	2.55	2.69	3.17	3.70	3.87	3.99
39+3	2.48	2.57	2.71	3.19	3.72	3.89	4.01
39+4	2.50	2.59	2.73	3.21	3.74	3.91	4.03
39+5	2.51	2.61	2.74	3.22	3.76	3.93	4.04
39+6	2.53	2.62	2.76	3.24	3.78	3.95	4.06
40+0	2.55	2.64	2.78	3.26	3.80	3.97	4.08
40+1	2.56	2.66	2.80	3.28	3.82	3.99	4.10
40+2	2.58	2.67	2.81	3.29	3.84	4.00	4.12
40+3	2.60	2.69	2.83	3.31	3.85	4.02	4.14
40+4	2.61	2.70	2.84	3.33	3.87	4.04	4.15
40+5	2.63	2.72	2.86	3.34	3.89	4.05	4.17
40+6	2.64	2.73	2.87	3.36	3.90	4.07	4.19
41+0	2.65	2.75	2.89	3.37	3.92	4.09	4.20
41+1	2.67	2.76	2.90	3.39	3.93	4.10	4.22
41+2	2.68	2.77	2.91	3.40	3.95	4.12	4.23
41+3	2.69	2.79	2.93	3.41	3.96	4.13	4.25
41+4	2.71	2.80	2.94	3.43	3.97	4.15	4.26
41+5	2.72	2.81	2.95	3.44	3.99	4.16	4.27
41+6	2.73	2.82	2.96	3.45	4.00	4.17	4.29
42+0	2.74	2.84	2.98	3.46	4.01	4.19	4.30
42+1	2.75	2.85	2.99	3.48	4.03	4.20	4.31
42+2	2.76	2.86	3.00	3.49	4.04	4.21	4.33
42+3	2.77	2.87	3.01	3.50	4.05	4.22	4.34
42+4	2.78	2.88	3.02	3.51	4.06	4.23	4.35
42+5	2.79	2.89	3.03	3.52	4.07	4.24	4.36
42+6	2.80	2.90	3.04	3.53	4.08	4.26	4.37

International Newborn Size Standards Weight (Girls)



International Newborn Size Standards



Length (cm) Girls

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
33+0	39.8	40.3	41.0	43.4	45.7	46.4	46.9
33+1	40.0	40.5	41.2	43.6	45.9	46.6	47.0
33+2	40.2	40.7	41.4	43.7	46.0	46.7	47.2
33+3	40.3	40.8	41.5	43.9	46.2	46.9	47.3
33+4	40.5	41.0	41.7	44.1	46.3	47.0	47.5
33+5	40.7	41.2	41.9	44.2	46.5	47.2	47.6
33+6	40.9	41.4	42.1	44.4	46.7	47.3	47.8
34+0	41.0	41.5	42.2	44.6	46.8	47.5	47.9
34+1	41.2	41.7	42.4	44.7	46.9	47.6	48.1
34+2	41.4	41.8	42.5	44.9	47.1	47.8	48.2
34+3	41.5	42.0	42.7	45.0	47.2	47.9	48.3
34+4	41.7	42.2	42.9	45.2	47.4	48.0	48.5
34+5	41.8	42.3	43.0	45.3	47.5	48.2	48.6
34+6	42.0	42.5	43.2	45.4	47.6	48.3	48.7
35+0	42.1	42.6	43.3	45.6	47.8	48.4	48.9
35+1	42.3	42.8	43.4	45.7	47.9	48.5	49.0
35+2	42.4	42.9	43.6	45.8	48.0	48.7	49.1
35+3	42.6	43.0	43.7	46.0	48.1	48.8	49.2
35+4	42.7	43.2	43.9	46.1	48.3	48.9	49.4
35+5	42.9	43.3	44.0	46.2	48.4	49.0	49.5
35+6	43.0	43.5	44.1	46.4	48.5	49.2	49.6
36+0	43.1	43.6	44.3	46.5	48.6	49.3	49.7
36+1	43.3	43.7	44.4	46.6	48.7	49.4	49.8
36+2	43.4	43.8	44.5	46.7	48.9	49.5	49.9
36+3	43.5	44.0	44.6	46.8	49.0	49.6	50.0
36+4	43.6	44.1	44.8	47.0	49.1	49.7	50.1
36+5	43.8	44.2	44.9	47.1	49.2	49.8	50.2
36+6	43.9	44.3	45.0	47.2	49.3	49.9	50.3
37+0	44.0	44.5	45.1	47.3	49.4	50.0	50.4
37+1	44.1	44.6	45.2	47.4	49.5	50.1	50.5
37+2	44.2	44.7	45.3	47.5	49.6	50.2	50.6
37+3	44.4	44.8	45.5	47.6	49.7	50.3	50.7
37+4	44.5	44.9	45.6	47.7	49.8	50.4	50.8
37+5	44.6	45.0	45.7	47.8	49.9	50.5	50.9
37+6	44.7	45.1	45.8	47.9	50.0	50.6	51.0

International Newborn Size Standards



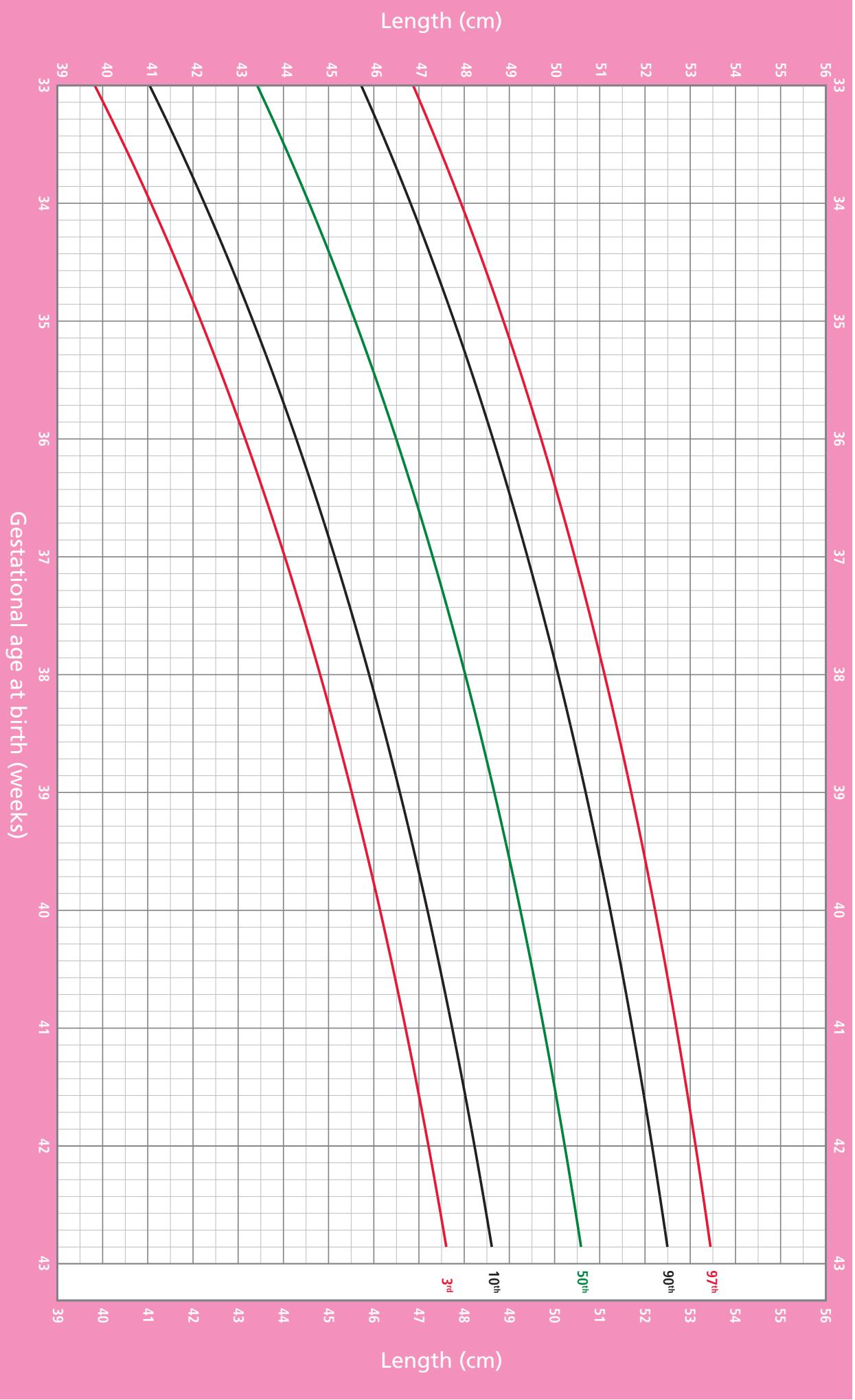
Length (cm) Girls

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
38+0	44.8	45.2	45.9	48.0	50.1	50.7	51.1
38+1	44.9	45.3	46.0	48.1	50.2	50.8	51.2
38+2	45.0	45.4	46.1	48.2	50.3	50.9	51.3
38+3	45.1	45.5	46.2	48.3	50.3	51.0	51.4
38+4	45.2	45.6	46.3	48.4	50.4	51.0	51.5
38+5	45.3	45.7	46.4	48.5	50.5	51.1	51.5
38+6	45.4	45.8	46.5	48.6	50.6	51.2	51.6
39+0	45.5	45.9	46.6	48.7	50.7	51.3	51.7
39+1	45.6	46.0	46.7	48.7	50.8	51.4	51.8
39+2	45.7	46.1	46.7	48.8	50.8	51.5	51.9
39+3	45.8	46.2	46.8	48.9	50.9	51.5	51.9
39+4	45.9	46.3	46.9	49.0	51.0	51.6	52.0
39+5	46.0	46.4	47.0	49.1	51.1	51.7	52.1
39+6	46.0	46.5	47.1	49.2	51.2	51.8	52.2
40+0	46.1	46.5	47.2	49.2	51.2	51.8	52.2
40+1	46.2	46.6	47.3	49.3	51.3	51.9	52.3
40+2	46.3	46.7	47.3	49.4	51.4	52.0	52.4
40+3	46.4	46.8	47.4	49.5	51.4	52.0	52.4
40+4	46.5	46.9	47.5	49.5	51.5	52.1	52.5
40+5	46.5	47.0	47.6	49.6	51.6	52.2	52.6
40+6	46.6	47.0	47.7	49.7	51.7	52.2	52.6
41+0	46.7	47.1	47.7	49.8	51.7	52.3	52.7
41+1	46.8	47.2	47.8	49.8	51.8	52.4	52.8
41+2	46.8	47.3	47.9	49.9	51.9	52.4	52.8
41+3	46.9	47.3	47.9	50.0	51.9	52.5	52.9
41+4	47.0	47.4	48.0	50.0	52.0	52.6	52.9
41+5	47.1	47.5	48.1	50.1	52.0	52.6	53.0
41+6	47.1	47.5	48.2	50.2	52.1	52.7	53.1
42+0	47.2	47.6	48.2	50.2	52.2	52.7	53.1
42+1	47.3	47.7	48.3	50.3	52.2	52.8	53.2
42+2	47.3	47.7	48.4	50.3	52.3	52.9	53.2
42+3	47.4	47.8	48.4	50.4	52.3	52.9	53.3
42+4	47.5	47.9	48.5	50.5	52.4	53.0	53.3
42+5	47.5	47.9	48.5	50.5	52.4	53.0	53.4
42+6	47.6	48.0	48.6	50.6	52.5	53.1	53.5

International Newborn Size Standards Length (Girls)



International Newborn Size Standards



Head Circumference (cm) Girls

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
33+0	27.9	28.3	28.8	30.5	32.2	32.8	33.1
33+1	28.0	28.4	28.9	30.6	32.3	32.9	33.2
33+2	28.1	28.5	29.0	30.6	32.4	32.9	33.3
33+3	28.2	28.6	29.1	30.7	32.5	33.0	33.4
33+4	28.3	28.7	29.2	30.8	32.6	33.1	33.4
33+5	28.4	28.8	29.3	30.9	32.6	33.2	33.5
33+6	28.5	28.9	29.4	31.0	32.7	33.2	33.6
34+0	28.6	29.0	29.4	31.1	32.8	33.3	33.7
34+1	28.7	29.1	29.5	31.2	32.9	33.4	33.7
34+2	28.8	29.2	29.6	31.2	32.9	33.5	33.8
34+3	28.9	29.2	29.7	31.3	33.0	33.5	33.9
34+4	29.0	29.3	29.8	31.4	33.1	33.6	33.9
34+5	29.1	29.4	29.9	31.5	33.2	33.7	34.0
34+6	29.2	29.5	30.0	31.6	33.2	33.7	34.1
35+0	29.3	29.6	30.1	31.6	33.3	33.8	34.1
35+1	29.4	29.7	30.1	31.7	33.4	33.9	34.2
35+2	29.5	29.8	30.2	31.8	33.4	33.9	34.3
35+3	29.5	29.9	30.3	31.9	33.5	34.0	34.3
35+4	29.6	29.9	30.4	31.9	33.6	34.0	34.4
35+5	29.7	30.0	30.5	32.0	33.6	34.1	34.4
35+6	29.8	30.1	30.5	32.1	33.7	34.2	34.5
36+0	29.9	30.2	30.6	32.1	33.7	34.2	34.6
36+1	29.9	30.3	30.7	32.2	33.8	34.3	34.6
36+2	30.0	30.3	30.8	32.3	33.9	34.3	34.7
36+3	30.1	30.4	30.8	32.4	33.9	34.4	34.7
36+4	30.2	30.5	30.9	32.4	34.0	34.5	34.8
36+5	30.3	30.6	31.0	32.5	34.0	34.5	34.8
36+6	30.3	30.6	31.1	32.5	34.1	34.6	34.9
37+0	30.4	30.7	31.1	32.6	34.2	34.6	34.9
37+1	30.5	30.8	31.2	32.7	34.2	34.7	35.0
37+2	30.5	30.8	31.3	32.7	34.3	34.7	35.1
37+3	30.6	30.9	31.3	32.8	34.3	34.8	35.1
37+4	30.7	31.0	31.4	32.9	34.4	34.8	35.2
37+5	30.7	31.0	31.5	32.9	34.4	34.9	35.2
37+6	30.8	31.1	31.5	33.0	34.5	34.9	35.3

International Newborn Size Standards



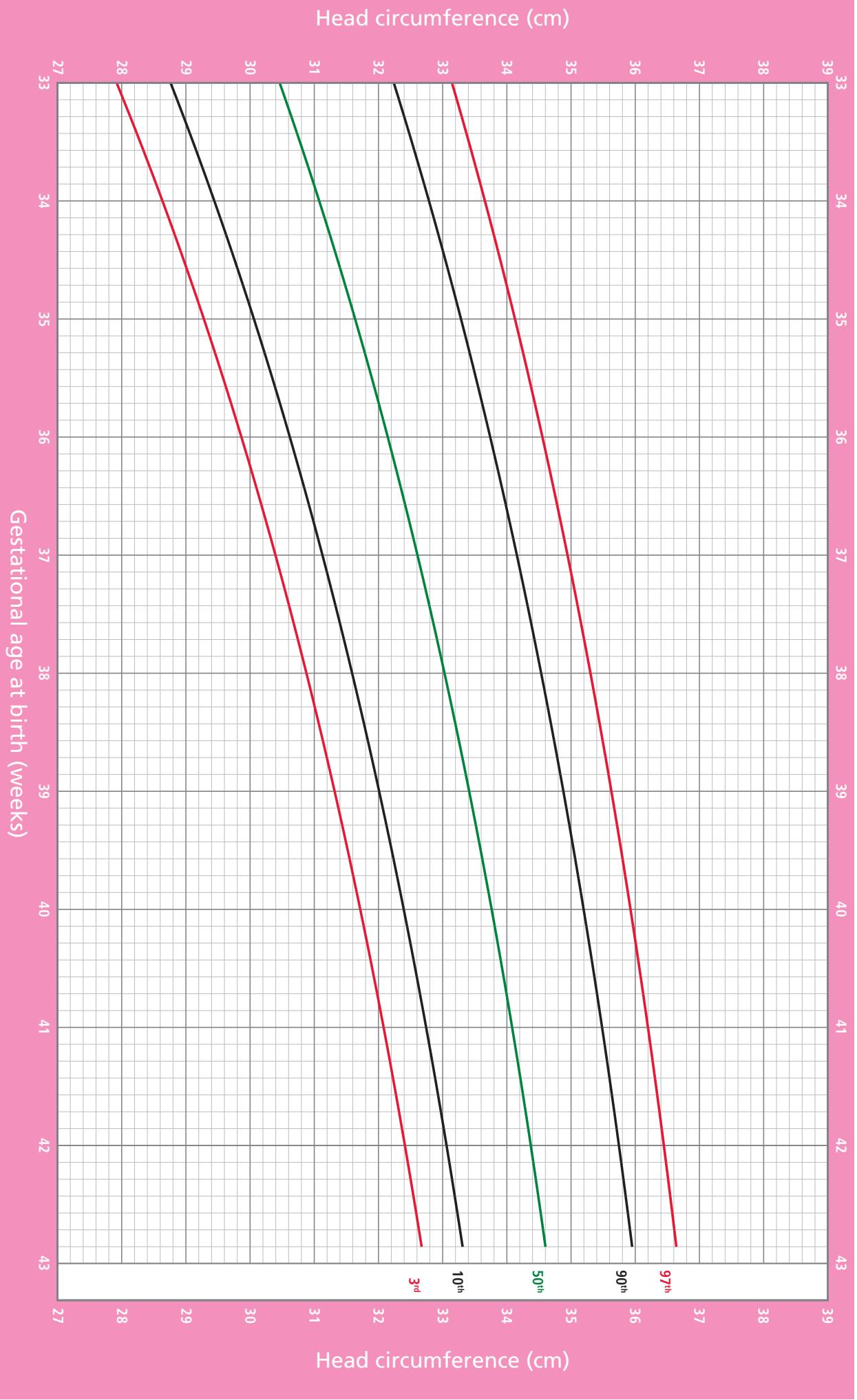
INTERGROWTH-21st

Head Circumference (cm) Girls

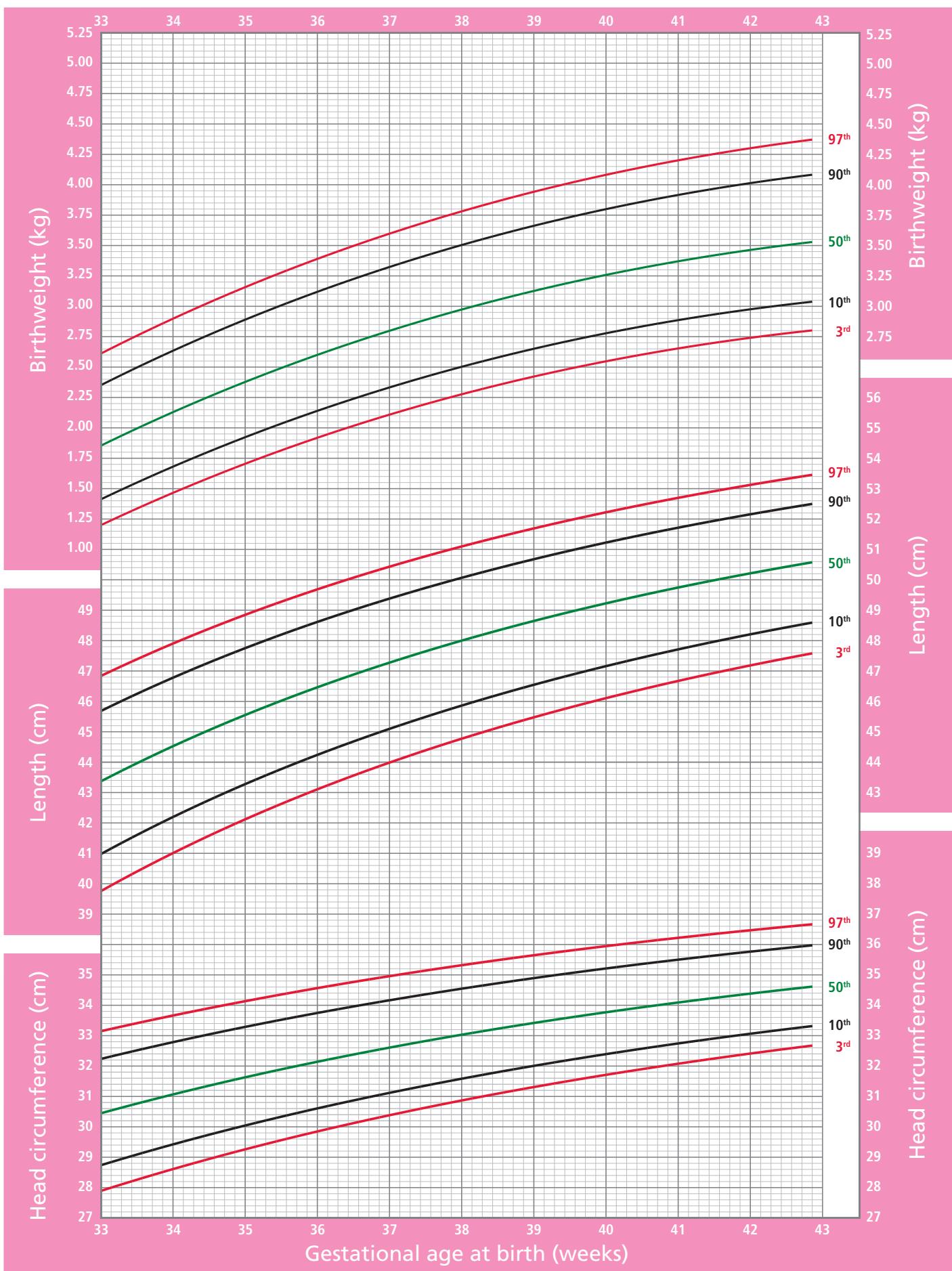


Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
38+0	30.9	31.2	31.6	33.0	34.5	35.0	35.3
38+1	30.9	31.2	31.7	33.1	34.6	35.0	35.4
38+2	31.0	31.3	31.7	33.1	34.6	35.1	35.4
38+3	31.1	31.4	31.8	33.2	34.7	35.1	35.4
38+4	31.1	31.4	31.8	33.3	34.7	35.2	35.5
38+5	31.2	31.5	31.9	33.3	34.8	35.2	35.5
38+6	31.3	31.5	32.0	33.4	34.8	35.3	35.6
39+0	31.3	31.6	32.0	33.4	34.9	35.3	35.6
39+1	31.4	31.7	32.1	33.5	34.9	35.4	35.7
39+2	31.4	31.7	32.1	33.5	35.0	35.4	35.7
39+3	31.5	31.8	32.2	33.6	35.0	35.5	35.8
39+4	31.6	31.8	32.2	33.6	35.1	35.5	35.8
39+5	31.6	31.9	32.3	33.7	35.1	35.5	35.8
39+6	31.7	31.9	32.3	33.7	35.2	35.6	35.9
40+0	31.7	32.0	32.4	33.8	35.2	35.6	35.9
40+1	31.8	32.0	32.4	33.8	35.2	35.7	36.0
40+2	31.8	32.1	32.5	33.9	35.3	35.7	36.0
40+3	31.9	32.1	32.6	33.9	35.3	35.8	36.0
40+4	31.9	32.2	32.6	34.0	35.4	35.8	36.1
40+5	32.0	32.3	32.6	34.0	35.4	35.8	36.1
40+6	32.0	32.3	32.7	34.0	35.4	35.9	36.2
41+0	32.1	32.3	32.7	34.1	35.5	35.9	36.2
41+1	32.1	32.4	32.8	34.1	35.5	35.9	36.2
41+2	32.2	32.4	32.8	34.2	35.6	36.0	36.3
41+3	32.2	32.5	32.9	34.2	35.6	36.0	36.3
41+4	32.3	32.5	32.9	34.3	35.6	36.1	36.3
41+5	32.3	32.6	33.0	34.3	35.7	36.1	36.4
41+6	32.4	32.6	33.0	34.3	35.7	36.1	36.4
42+0	32.4	32.7	33.1	34.4	35.7	36.2	36.4
42+1	32.5	32.7	33.1	34.4	35.8	36.2	36.5
42+2	32.5	32.8	33.1	34.5	35.8	36.2	36.5
42+3	32.5	32.8	33.2	34.5	35.9	36.3	36.5
42+4	32.6	32.8	33.2	34.5	35.9	36.3	36.6
42+5	32.6	32.9	33.3	34.6	35.9	36.3	36.6
42+6	32.7	32.9	33.3	34.6	36.0	36.4	36.6

International Newborn Size Standards Head Circumference (Girls)



International Newborn Size Standards (Girls)



International Newborn Size Standards



INTERGROWTH-21st

Weight-Length Ratio (kg/m) Girls



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
33+0	3.22	3.38	3.62	4.49	5.37	5.61	5.77
33+1	3.27	3.43	3.68	4.55	5.42	5.67	5.83
33+2	3.33	3.49	3.74	4.61	5.48	5.73	5.89
33+3	3.39	3.55	3.80	4.67	5.54	5.79	5.95
33+4	3.45	3.61	3.85	4.73	5.60	5.85	6.01
33+5	3.50	3.66	3.91	4.78	5.65	5.90	6.06
33+6	3.56	3.72	3.97	4.84	5.71	5.96	6.12
34+0	3.61	3.77	4.02	4.89	5.76	6.01	6.17
34+1	3.67	3.83	4.08	4.95	5.82	6.07	6.23
34+2	3.72	3.88	4.13	5.00	5.87	6.12	6.28
34+3	3.78	3.94	4.19	5.06	5.93	6.18	6.34
34+4	3.83	3.99	4.24	5.11	5.98	6.23	6.39
34+5	3.88	4.04	4.29	5.16	6.04	6.28	6.44
34+6	3.94	4.10	4.35	5.22	6.09	6.34	6.50
35+0	3.99	4.15	4.40	5.27	6.14	6.39	6.55
35+1	4.04	4.20	4.45	5.32	6.19	6.44	6.60
35+2	4.09	4.25	4.50	5.37	6.24	6.49	6.65
35+3	4.14	4.30	4.55	5.42	6.29	6.54	6.70
35+4	4.19	4.35	4.60	5.47	6.34	6.59	6.75
35+5	4.24	4.40	4.65	5.52	6.39	6.64	6.80
35+6	4.29	4.45	4.70	5.57	6.44	6.69	6.85
36+0	4.34	4.50	4.74	5.62	6.49	6.74	6.90
36+1	4.38	4.54	4.79	5.66	6.53	6.78	6.94
36+2	4.43	4.59	4.84	5.71	6.58	6.83	6.99
36+3	4.48	4.64	4.88	5.75	6.63	6.87	7.03
36+4	4.52	4.68	4.93	5.80	6.67	6.92	7.08
36+5	4.56	4.72	4.97	5.84	6.72	6.96	7.12
36+6	4.61	4.77	5.02	5.89	6.76	7.01	7.17
37+0	4.65	4.81	5.06	5.93	6.80	7.05	7.21
37+1	4.69	4.85	5.10	5.97	6.84	7.09	7.25
37+2	4.74	4.90	5.14	6.02	6.89	7.13	7.29
37+3	4.78	4.94	5.18	6.06	6.93	7.18	7.34
37+4	4.82	4.98	5.22	6.10	6.97	7.22	7.38
37+5	4.86	5.02	5.26	6.14	7.01	7.25	7.41
37+6	4.89	5.05	5.30	6.17	7.05	7.29	7.45

International Newborn Size Standards



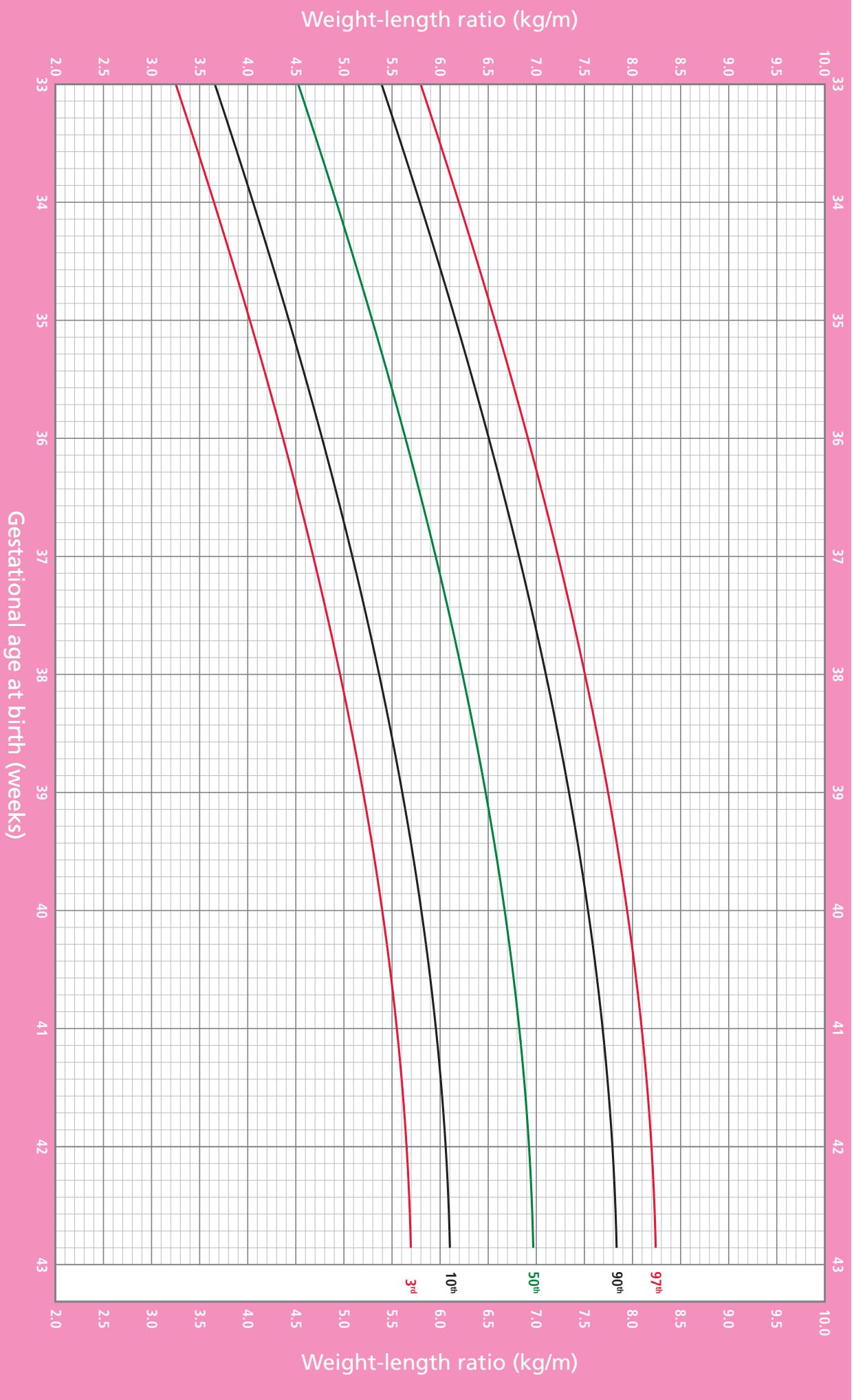
INTERGROWTH-21st

Weight-Length Ratio (kg/m) Girls



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
38+0	4.93	5.09	5.34	6.21	7.08	7.33	7.49
38+1	4.97	5.13	5.38	6.25	7.12	7.37	7.53
38+2	5.01	5.17	5.41	6.28	7.16	7.40	7.56
38+3	5.04	5.20	5.45	6.32	7.19	7.44	7.60
38+4	5.08	5.24	5.48	6.35	7.23	7.47	7.63
38+5	5.11	5.27	5.52	6.39	7.26	7.51	7.67
38+6	5.14	5.30	5.55	6.42	7.29	7.54	7.70
39+0	5.17	5.33	5.58	6.45	7.32	7.57	7.73
39+1	5.20	5.36	5.61	6.48	7.36	7.60	7.76
39+2	5.24	5.40	5.64	6.51	7.39	7.63	7.79
39+3	5.26	5.42	5.67	6.54	7.42	7.66	7.82
39+4	5.29	5.45	5.70	6.57	7.44	7.69	7.85
39+5	5.32	5.48	5.73	6.60	7.47	7.72	7.88
39+6	5.35	5.51	5.76	6.63	7.50	7.75	7.91
40+0	5.37	5.53	5.78	6.65	7.52	7.77	7.93
40+1	5.40	5.56	5.81	6.68	7.55	7.80	7.96
40+2	5.42	5.58	5.83	6.70	7.57	7.82	7.98
40+3	5.44	5.60	5.85	6.72	7.59	7.84	8.00
40+4	5.47	5.63	5.87	6.75	7.62	7.87	8.02
40+5	5.49	5.65	5.90	6.77	7.64	7.89	8.05
40+6	5.51	5.67	5.91	6.79	7.66	7.91	8.07
41+0	5.53	5.69	5.93	6.80	7.68	7.92	8.08
41+1	5.54	5.70	5.95	6.82	7.69	7.94	8.10
41+2	5.56	5.72	5.97	6.84	7.71	7.96	8.12
41+3	5.58	5.74	5.98	6.85	7.73	7.97	8.13
41+4	5.59	5.75	6.00	6.87	7.74	7.99	8.15
41+5	5.60	5.76	6.01	6.88	7.75	8.00	8.16
41+6	5.62	5.78	6.02	6.90	7.77	8.02	8.18
42+0	5.63	5.79	6.04	6.91	7.78	8.03	8.19
42+1	5.64	5.80	6.05	6.92	7.79	8.04	8.20
42+2	5.65	5.81	6.05	6.93	7.80	8.05	8.21
42+3	5.65	5.81	6.06	6.93	7.81	8.05	8.21
42+4	5.66	5.82	6.07	6.94	7.81	8.06	8.22
42+5	5.67	5.83	6.08	6.95	7.82	8.07	8.23
42+6	5.67	5.83	6.08	6.95	7.82	8.07	8.23

International Newborn Size Standards Weight-Length Ratio (Girls)



International Newborn Size Standards



Birthweight (kg) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
33+0	0.63	1.13	1.55	1.95	2.39	2.88	3.47
33+1	0.67	1.17	1.59	1.99	2.43	2.92	3.51
33+2	0.71	1.21	1.63	2.03	2.47	2.96	3.55
33+3	0.75	1.25	1.67	2.07	2.50	2.99	3.59
33+4	0.79	1.29	1.71	2.11	2.54	3.03	3.62
33+5	0.83	1.33	1.75	2.15	2.58	3.07	3.66
33+6	0.87	1.37	1.79	2.18	2.62	3.11	3.70
34+0	0.91	1.40	1.82	2.22	2.65	3.14	3.73
34+1	0.95	1.44	1.86	2.26	2.69	3.18	3.77
34+2	0.98	1.48	1.90	2.29	2.73	3.21	3.80
34+3	1.02	1.51	1.93	2.33	2.76	3.25	3.84
34+4	1.05	1.55	1.97	2.36	2.80	3.28	3.87
34+5	1.09	1.58	2.00	2.40	2.83	3.32	3.91
34+6	1.12	1.62	2.04	2.43	2.86	3.35	3.94
35+0	1.16	1.65	2.07	2.47	2.90	3.38	3.97
35+1	1.19	1.69	2.10	2.50	2.93	3.42	4.00
35+2	1.23	1.72	2.14	2.53	2.96	3.45	4.04
35+3	1.26	1.75	2.17	2.57	3.00	3.48	4.07
35+4	1.29	1.78	2.20	2.60	3.03	3.51	4.10
35+5	1.32	1.82	2.23	2.63	3.06	3.54	4.13
35+6	1.36	1.85	2.26	2.66	3.09	3.57	4.16
36+0	1.39	1.88	2.29	2.69	3.12	3.60	4.19
36+1	1.42	1.91	2.33	2.72	3.15	3.63	4.22
36+2	1.45	1.94	2.36	2.75	3.18	3.66	4.25
36+3	1.48	1.97	2.38	2.78	3.21	3.69	4.28
36+4	1.51	2.00	2.41	2.81	3.24	3.72	4.30
36+5	1.54	2.03	2.44	2.84	3.26	3.75	4.33
36+6	1.57	2.06	2.47	2.87	3.29	3.78	4.36
37+0	1.59	2.08	2.50	2.89	3.32	3.80	4.39
37+1	1.62	2.11	2.53	2.92	3.35	3.83	4.41
37+2	1.65	2.14	2.55	2.95	3.37	3.86	4.44
37+3	1.68	2.17	2.58	2.97	3.40	3.88	4.46
37+4	1.70	2.19	2.61	3.00	3.43	3.91	4.49
37+5	1.73	2.22	2.63	3.03	3.45	3.93	4.51
37+6	1.76	2.24	2.66	3.05	3.48	3.96	4.54

International Newborn Size Standards



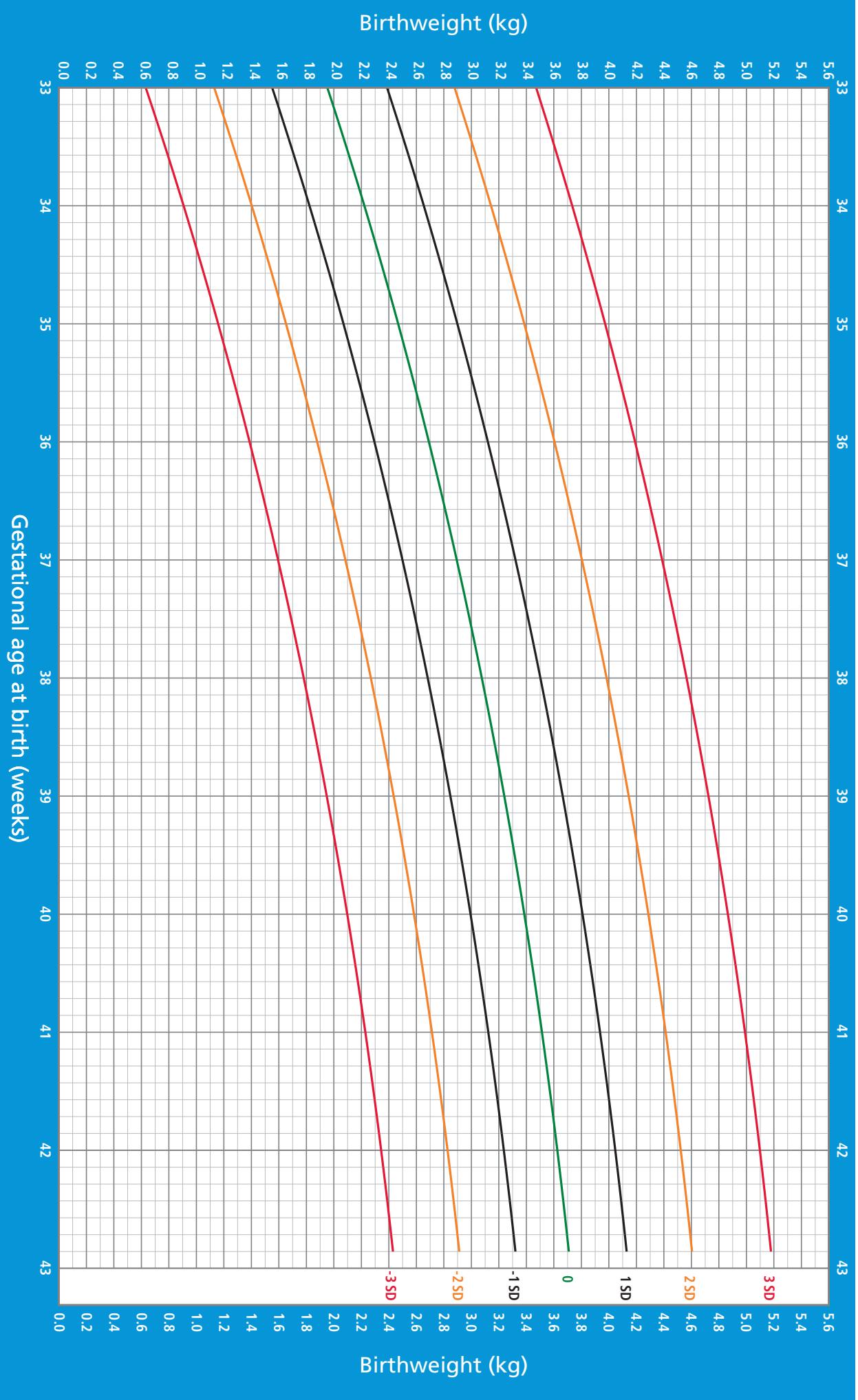
INTERGROWTH-21st

Birthweight (kg) Boys



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
38+0	1.78	2.27	2.68	3.08	3.50	3.98	4.56
38+1	1.81	2.29	2.71	3.10	3.53	4.01	4.59
38+2	1.83	2.32	2.73	3.12	3.55	4.03	4.61
38+3	1.86	2.34	2.76	3.15	3.57	4.05	4.63
38+4	1.88	2.37	2.78	3.17	3.60	4.08	4.66
38+5	1.90	2.39	2.80	3.19	3.62	4.10	4.68
38+6	1.93	2.41	2.82	3.22	3.64	4.12	4.70
39+0	1.95	2.43	2.85	3.24	3.66	4.14	4.72
39+1	1.97	2.46	2.87	3.26	3.68	4.16	4.74
39+2	1.99	2.48	2.89	3.28	3.71	4.19	4.76
39+3	2.01	2.50	2.91	3.30	3.73	4.21	4.78
39+4	2.04	2.52	2.93	3.32	3.75	4.23	4.80
39+5	2.06	2.54	2.95	3.34	3.77	4.25	4.82
39+6	2.08	2.56	2.97	3.36	3.79	4.27	4.84
40+0	2.10	2.58	2.99	3.38	3.81	4.29	4.86
40+1	2.12	2.60	3.01	3.40	3.83	4.30	4.88
40+2	2.14	2.62	3.03	3.42	3.85	4.32	4.90
40+3	2.16	2.64	3.05	3.44	3.86	4.34	4.92
40+4	2.17	2.66	3.07	3.46	3.88	4.36	4.94
40+5	2.19	2.68	3.09	3.48	3.90	4.38	4.95
40+6	2.21	2.70	3.10	3.49	3.92	4.39	4.97
41+0	2.23	2.71	3.12	3.51	3.93	4.41	4.99
41+1	2.25	2.73	3.14	3.53	3.95	4.43	5.00
41+2	2.26	2.75	3.16	3.55	3.97	4.44	5.02
41+3	2.28	2.76	3.17	3.56	3.98	4.46	5.04
41+4	2.30	2.78	3.19	3.58	4.00	4.48	5.05
41+5	2.31	2.80	3.20	3.59	4.02	4.49	5.07
41+6	2.33	2.81	3.22	3.61	4.03	4.51	5.08
42+0	2.34	2.83	3.24	3.62	4.05	4.52	5.10
42+1	2.36	2.84	3.25	3.64	4.06	4.54	5.11
42+2	2.37	2.86	3.26	3.65	4.07	4.55	5.12
42+3	2.39	2.87	3.28	3.67	4.09	4.56	5.14
42+4	2.40	2.88	3.29	3.68	4.10	4.58	5.15
42+5	2.42	2.90	3.31	3.69	4.11	4.59	5.16
42+6	2.43	2.91	3.32	3.71	4.13	4.60	5.18

International Newborn Size Standards Weight (Boys)



International Newborn Size Standards



Length (cm) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
33+0	36.6	39.4	41.7	43.8	45.9	48.3	51.1
33+1	36.8	39.6	41.9	44.0	46.1	48.4	51.3
33+2	37.0	39.8	42.1	44.2	46.2	48.6	51.4
33+3	37.2	40.0	42.3	44.3	46.4	48.7	51.5
33+4	37.5	40.2	42.5	44.5	46.6	48.8	51.6
33+5	37.7	40.4	42.6	44.7	46.7	49.0	51.7
33+6	37.9	40.6	42.8	44.8	46.9	49.1	51.8
34+0	38.1	40.8	43.0	45.0	47.0	49.2	52.0
34+1	38.3	41.0	43.1	45.1	47.1	49.4	52.1
34+2	38.5	41.1	43.3	45.3	47.3	49.5	52.2
34+3	38.7	41.3	43.5	45.4	47.4	49.6	52.3
34+4	38.9	41.5	43.6	45.6	47.6	49.7	52.4
34+5	39.1	41.7	43.8	45.7	47.7	49.9	52.5
34+6	39.2	41.8	44.0	45.9	47.8	50.0	52.6
35+0	39.4	42.0	44.1	46.0	48.0	50.1	52.7
35+1	39.6	42.2	44.3	46.2	48.1	50.2	52.8
35+2	39.8	42.3	44.4	46.3	48.2	50.3	52.9
35+3	40.0	42.5	44.6	46.4	48.3	50.4	53.0
35+4	40.1	42.6	44.7	46.6	48.5	50.6	53.1
35+5	40.3	42.8	44.9	46.7	48.6	50.7	53.2
35+6	40.5	43.0	45.0	46.8	48.7	50.8	53.3
36+0	40.6	43.1	45.1	47.0	48.8	50.9	53.4
36+1	40.8	43.2	45.3	47.1	48.9	51.0	53.5
36+2	40.9	43.4	45.4	47.2	49.1	51.1	53.6
36+3	41.1	43.5	45.5	47.4	49.2	51.2	53.7
36+4	41.3	43.7	45.7	47.5	49.3	51.3	53.8
36+5	41.4	43.8	45.8	47.6	49.4	51.4	53.8
36+6	41.6	44.0	45.9	47.7	49.5	51.5	53.9
37+0	41.7	44.1	46.1	47.8	49.6	51.6	54.0
37+1	41.9	44.2	46.2	47.9	49.7	51.7	54.1
37+2	42.0	44.4	46.3	48.1	49.8	51.8	54.2
37+3	42.1	44.5	46.4	48.2	49.9	51.9	54.3
37+4	42.3	44.6	46.5	48.3	50.0	52.0	54.3
37+5	42.4	44.7	46.7	48.4	50.1	52.1	54.4
37+6	42.5	44.9	46.8	48.5	50.2	52.2	54.5

International Newborn Size Standards



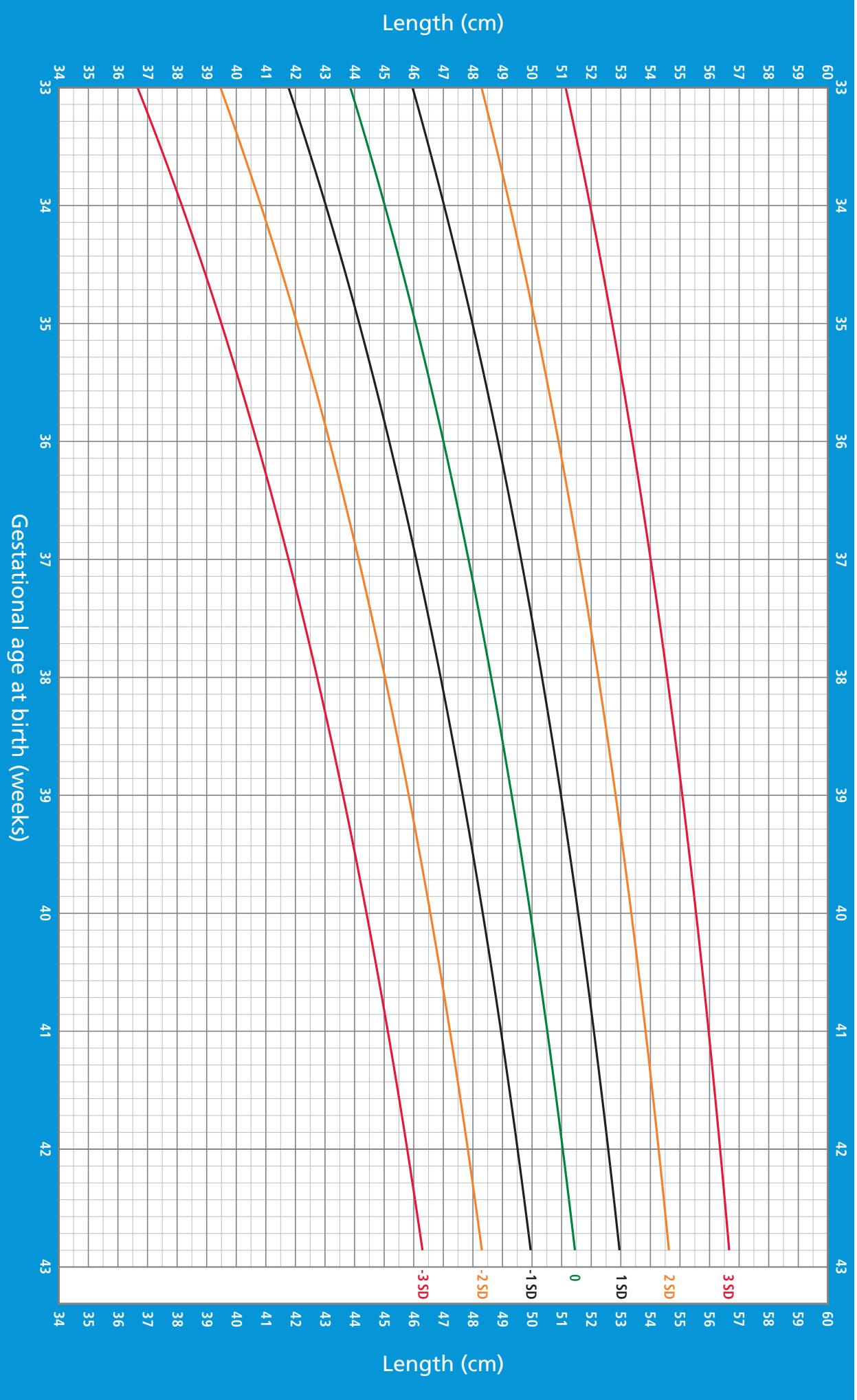
Length (cm) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
38+0	42.7	45.0	46.9	48.6	50.3	52.2	54.6
38+1	42.8	45.1	47.0	48.7	50.4	52.3	54.7
38+2	42.9	45.2	47.1	48.8	50.5	52.4	54.7
38+3	43.1	45.3	47.2	48.9	50.6	52.5	54.8
38+4	43.2	45.5	47.3	49.0	50.7	52.6	54.9
38+5	43.3	45.6	47.4	49.1	50.8	52.7	55.0
38+6	43.4	45.7	47.5	49.2	50.9	52.7	55.0
39+0	43.6	45.8	47.6	49.3	51.0	52.8	55.1
39+1	43.7	45.9	47.7	49.4	51.1	52.9	55.2
39+2	43.8	46.0	47.8	49.5	51.1	53.0	55.2
39+3	43.9	46.1	47.9	49.6	51.2	53.1	55.3
39+4	44.0	46.2	48.0	49.7	51.3	53.1	55.4
39+5	44.1	46.3	48.1	49.8	51.4	53.2	55.4
39+6	44.2	46.4	48.2	49.8	51.5	53.3	55.5
40+0	44.4	46.5	48.3	49.9	51.6	53.4	55.6
40+1	44.5	46.6	48.4	50.0	51.6	53.4	55.6
40+2	44.6	46.7	48.5	50.1	51.7	53.5	55.7
40+3	44.7	46.8	48.6	50.2	51.8	53.6	55.8
40+4	44.8	46.9	48.7	50.3	51.9	53.6	55.8
40+5	44.9	47.0	48.8	50.3	51.9	53.7	55.9
40+6	45.0	47.1	48.8	50.4	52.0	53.8	55.9
41+0	45.1	47.2	48.9	50.5	52.1	53.8	56.0
41+1	45.2	47.3	49.0	50.6	52.2	53.9	56.0
41+2	45.3	47.4	49.1	50.7	52.2	54.0	56.1
41+3	45.4	47.5	49.2	50.7	52.3	54.0	56.2
41+4	45.5	47.5	49.3	50.8	52.4	54.1	56.2
41+5	45.6	47.6	49.3	50.9	52.4	54.2	56.3
41+6	45.7	47.7	49.4	51.0	52.5	54.2	56.3
42+0	45.7	47.8	49.5	51.0	52.6	54.3	56.4
42+1	45.8	47.9	49.6	51.1	52.6	54.4	56.4
42+2	45.9	48.0	49.6	51.2	52.7	54.4	56.5
42+3	46.0	48.0	49.7	51.2	52.8	54.5	56.5
42+4	46.1	48.1	49.8	51.3	52.8	54.5	56.6
42+5	46.2	48.2	49.9	51.4	52.9	54.6	56.6
42+6	46.3	48.3	49.9	51.4	53.0	54.6	56.7

International Newborn Size Standards Length (Boys)



International Newborn Size Standards



INTERGROWTH-21st

Head Circumference (cm) Boys



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



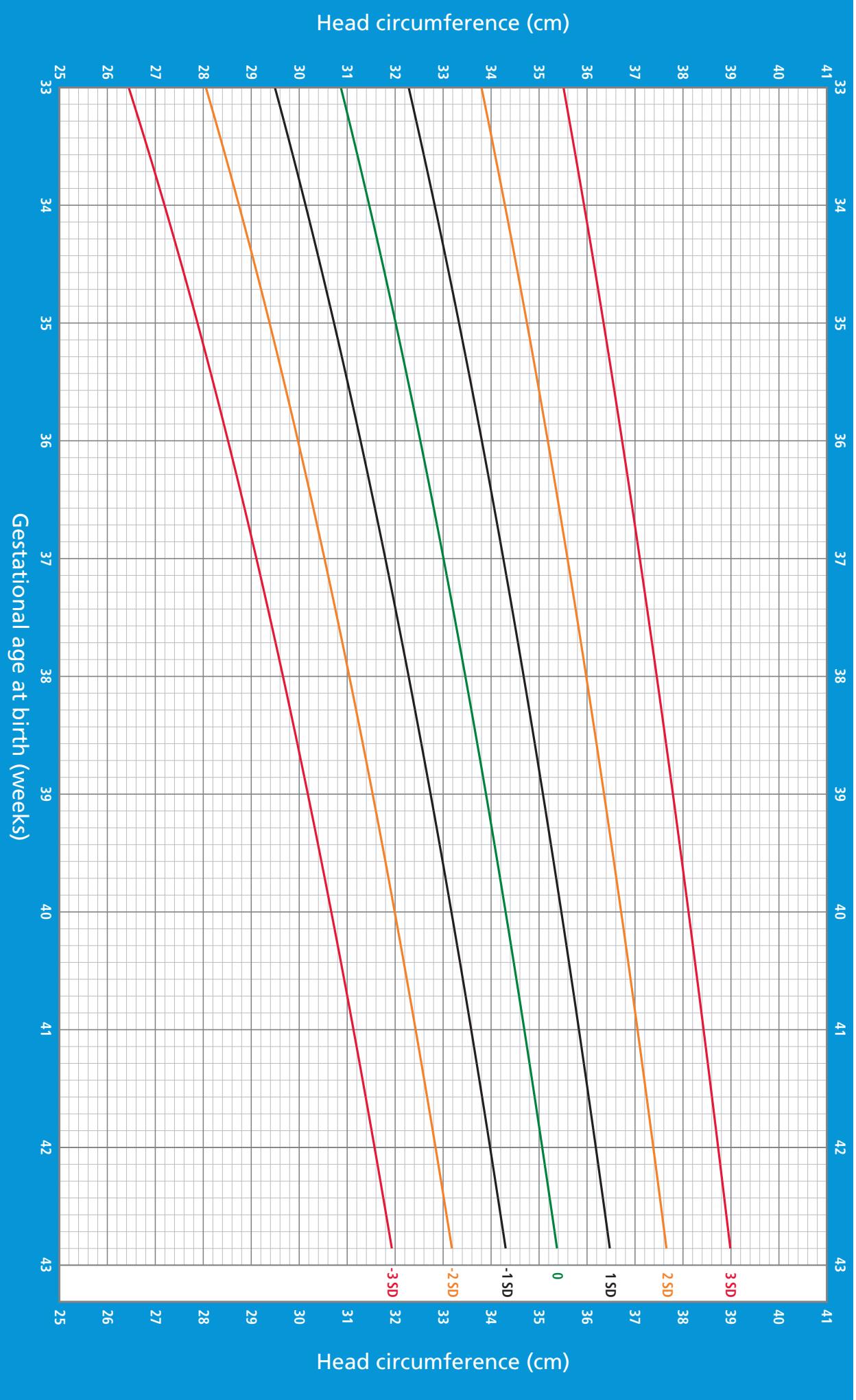
INTERGROWTH-21st

Head Circumference (cm) Boys

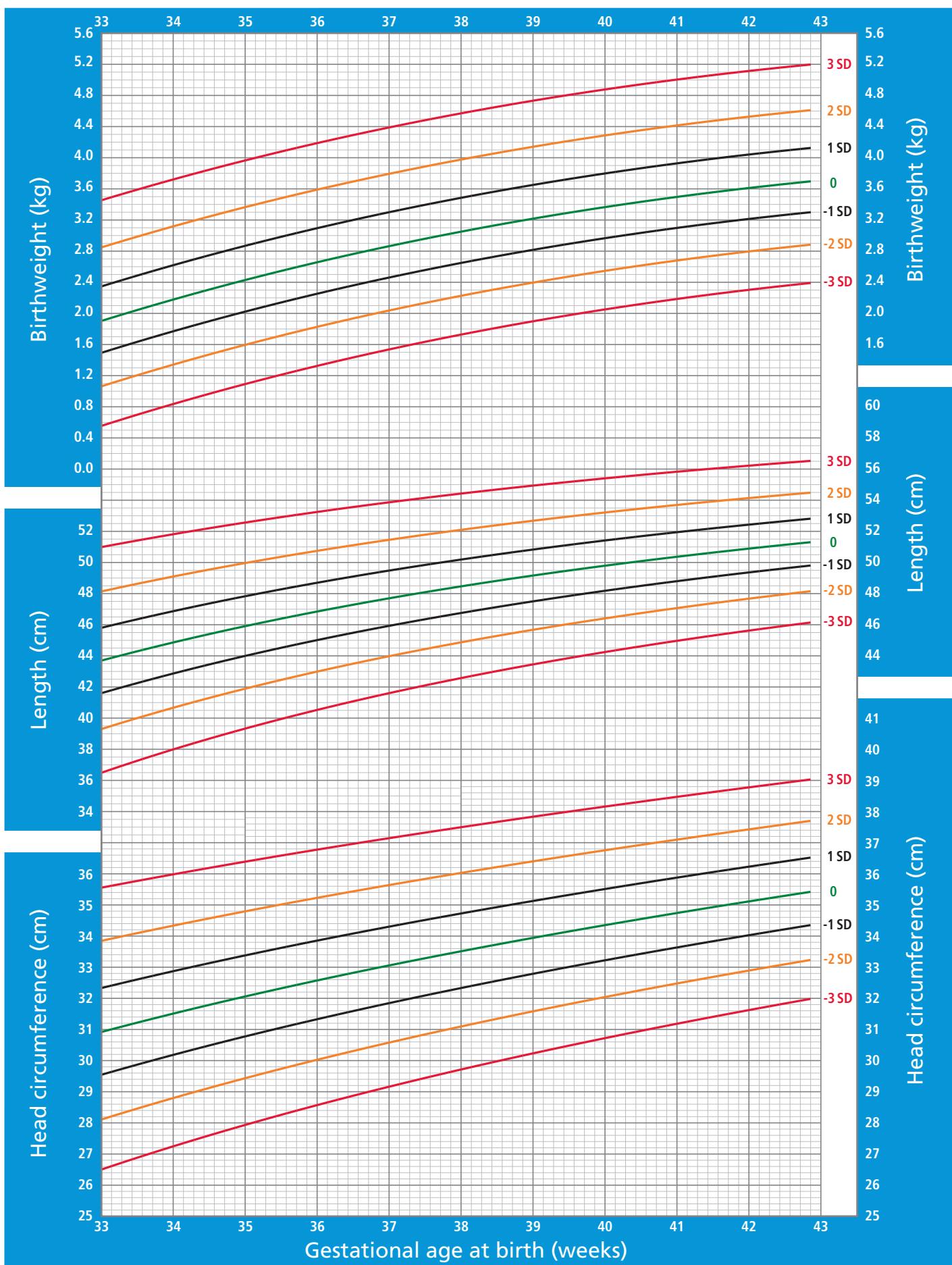


Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
38+0	29.7	31.1	32.3	33.5	34.7	36.0	37.5
38+1	29.8	31.1	32.4	33.5	34.8	36.0	37.5
38+2	29.8	31.2	32.4	33.6	34.8	36.1	37.6
38+3	29.9	31.3	32.5	33.7	34.9	36.2	37.6
38+4	30.0	31.3	32.6	33.7	34.9	36.2	37.7
38+5	30.1	31.4	32.6	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

International Newborn Size Standards Head Circumference (Boys)



International Newborn Size Standards (Boys)



International Newborn Size Standards



INTERGROWTH-21st

Weight-Length Ratio (kg/m) Boys



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
33+0	2.25	3.00	3.74	4.48	5.23	5.97	6.71
33+1	2.33	3.07	3.81	4.56	5.30	6.04	6.78
33+2	2.40	3.14	3.89	4.63	5.37	6.11	6.85
33+3	2.48	3.22	3.96	4.70	5.44	6.18	6.92
33+4	2.55	3.29	4.03	4.76	5.50	6.24	6.98
33+5	2.62	3.36	4.09	4.83	5.57	6.31	7.04
33+6	2.69	3.42	4.16	4.90	5.63	6.37	7.11
34+0	2.76	3.49	4.23	4.96	5.70	6.43	7.17
34+1	2.82	3.56	4.29	5.02	5.76	6.49	7.23
34+2	2.89	3.62	4.35	5.09	5.82	6.55	7.29
34+3	2.95	3.68	4.42	5.15	5.88	6.61	7.34
34+4	3.01	3.75	4.48	5.21	5.94	6.67	7.40
34+5	3.08	3.81	4.54	5.27	5.99	6.72	7.45
34+6	3.14	3.87	4.59	5.32	6.05	6.78	7.51
35+0	3.20	3.92	4.65	5.38	6.11	6.83	7.56
35+1	3.26	3.98	4.71	5.43	6.16	6.89	7.61
35+2	3.31	4.04	4.76	5.49	6.21	6.94	7.66
35+3	3.37	4.09	4.82	5.54	6.27	6.99	7.71
35+4	3.43	4.15	4.87	5.59	6.32	7.04	7.76
35+5	3.48	4.20	4.92	5.65	6.37	7.09	7.81
35+6	3.53	4.25	4.98	5.70	6.42	7.14	7.86
36+0	3.59	4.31	5.03	5.74	6.46	7.18	7.90
36+1	3.64	4.36	5.07	5.79	6.51	7.23	7.95
36+2	3.69	4.41	5.12	5.84	6.56	7.27	7.99
36+3	3.74	4.46	5.17	5.89	6.60	7.32	8.03
36+4	3.79	4.50	5.22	5.93	6.65	7.36	8.08
36+5	3.84	4.55	5.26	5.98	6.69	7.40	8.12
36+6	3.88	4.60	5.31	6.02	6.73	7.44	8.16
37+0	3.93	4.64	5.35	6.06	6.77	7.49	8.20
37+1	3.98	4.69	5.40	6.11	6.82	7.52	8.23
37+2	4.02	4.73	5.44	6.15	6.86	7.56	8.27
37+3	4.06	4.77	5.48	6.19	6.89	7.60	8.31
37+4	4.11	4.81	5.52	6.23	6.93	7.64	8.35
37+5	4.15	4.85	5.56	6.27	6.97	7.68	8.38
37+6	4.19	4.90	5.60	6.30	7.01	7.71	8.42

International Newborn Size Standards



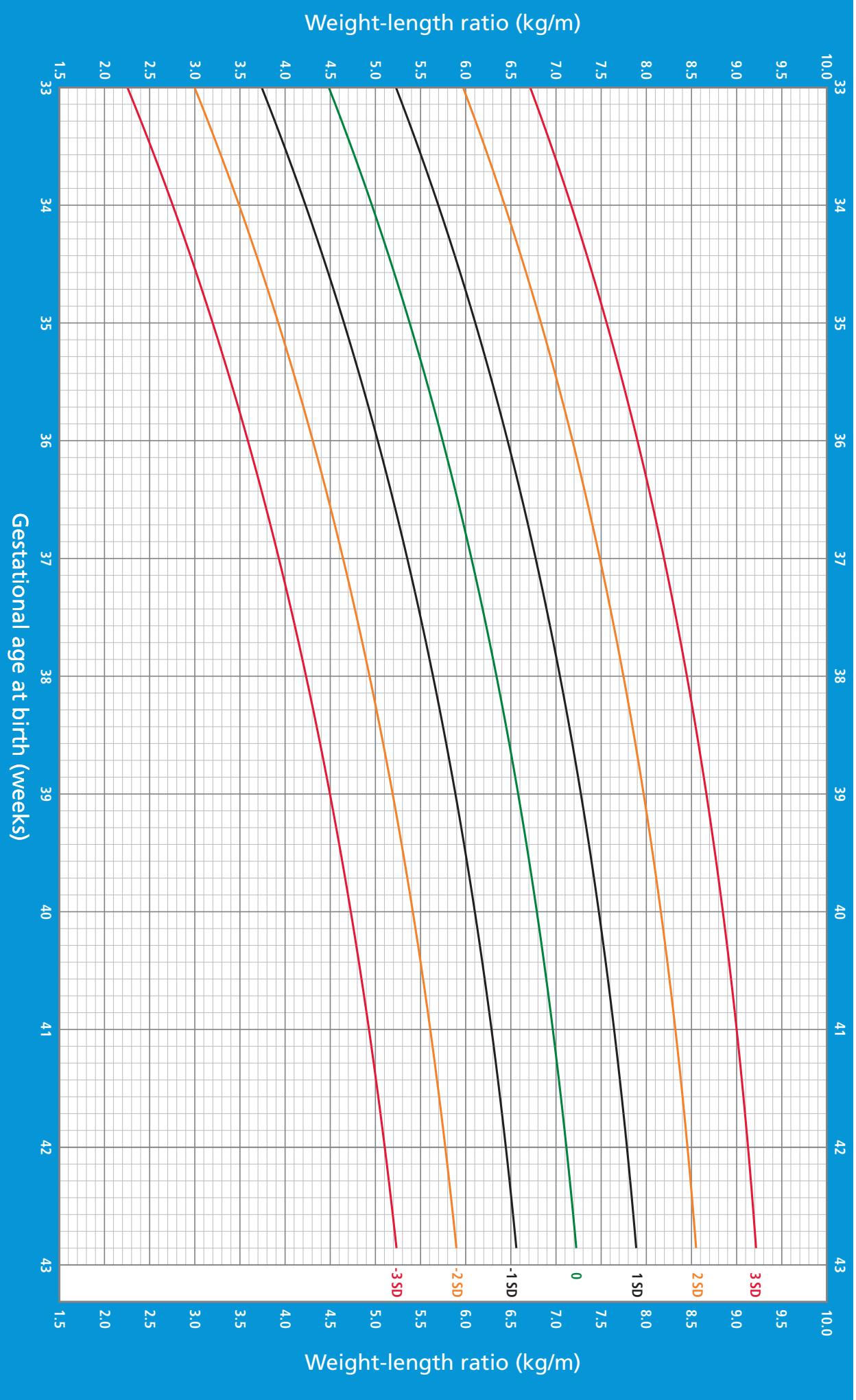
INTERGROWTH-21st

Weight-Length Ratio (kg/m) Boys



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
38+0	4.23	4.93	5.64	6.34	7.04	7.75	8.45
38+1	4.27	4.97	5.68	6.38	7.08	7.78	8.48
38+2	4.31	5.01	5.71	6.41	7.11	7.81	8.51
38+3	4.35	5.05	5.75	6.45	7.15	7.85	8.55
38+4	4.39	5.09	5.78	6.48	7.18	7.88	8.58
38+5	4.42	5.12	5.82	6.52	7.21	7.91	8.61
38+6	4.46	5.16	5.85	6.55	7.24	7.94	8.64
39+0	4.50	5.19	5.89	6.58	7.28	7.97	8.66
39+1	4.53	5.22	5.92	6.61	7.31	8.00	8.69
39+2	4.57	5.26	5.95	6.64	7.34	8.03	8.72
39+3	4.60	5.29	5.98	6.67	7.36	8.06	8.75
39+4	4.63	5.32	6.01	6.70	7.39	8.08	8.77
39+5	4.66	5.35	6.04	6.73	7.42	8.11	8.80
39+6	4.70	5.38	6.07	6.76	7.45	8.14	8.82
40+0	4.73	5.41	6.10	6.79	7.47	8.16	8.85
40+1	4.76	5.44	6.13	6.81	7.50	8.19	8.87
40+2	4.79	5.47	6.16	6.84	7.53	8.21	8.89
40+3	4.82	5.50	6.18	6.87	7.55	8.23	8.92
40+4	4.85	5.53	6.21	6.89	7.57	8.26	8.94
40+5	4.87	5.55	6.24	6.92	7.60	8.28	8.96
40+6	4.90	5.58	6.26	6.94	7.62	8.30	8.98
41+0	4.93	5.61	6.29	6.96	7.64	8.32	9.00
41+1	4.95	5.63	6.31	6.99	7.66	8.34	9.02
41+2	4.98	5.66	6.33	7.01	7.69	8.36	9.04
41+3	5.01	5.68	6.36	7.03	7.71	8.38	9.06
41+4	5.03	5.71	6.38	7.05	7.73	8.40	9.08
41+5	5.06	5.73	6.40	7.07	7.75	8.42	9.09
41+6	5.08	5.75	6.42	7.09	7.77	8.44	9.11
42+0	5.10	5.77	6.44	7.11	7.78	8.46	9.13
42+1	5.13	5.80	6.46	7.13	7.80	8.47	9.14
42+2	5.15	5.82	6.48	7.15	7.82	8.49	9.16
42+3	5.17	5.84	6.50	7.17	7.84	8.51	9.17
42+4	5.19	5.86	6.52	7.19	7.86	8.52	9.19
42+5	5.21	5.88	6.54	7.21	7.87	8.54	9.20
42+6	5.23	5.90	6.56	7.22	7.89	8.55	9.21

International Newborn Size Standards Weight-Length Ratio (Boys)



International Newborn Size Standards



INTERGROWTH-21st

Birthweight (kg) Girls



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
33+0	0.75	1.15	1.50	1.85	2.23	2.66	3.16
33+1	0.79	1.19	1.55	1.89	2.27	2.70	3.21
33+2	0.83	1.23	1.59	1.93	2.31	2.74	3.25
33+3	0.86	1.27	1.62	1.97	2.35	2.78	3.29
33+4	0.90	1.31	1.66	2.01	2.39	2.83	3.34
33+5	0.94	1.35	1.70	2.05	2.43	2.87	3.38
33+6	0.97	1.38	1.74	2.09	2.47	2.91	3.42
34+0	1.01	1.42	1.78	2.13	2.51	2.95	3.46
34+1	1.04	1.46	1.81	2.16	2.55	2.99	3.50
34+2	1.08	1.49	1.85	2.20	2.59	3.03	3.54
34+3	1.11	1.53	1.89	2.24	2.63	3.06	3.58
34+4	1.15	1.56	1.92	2.27	2.66	3.10	3.62
34+5	1.18	1.59	1.95	2.31	2.70	3.14	3.66
34+6	1.21	1.63	1.99	2.34	2.73	3.17	3.70
35+0	1.24	1.66	2.02	2.38	2.77	3.21	3.73
35+1	1.27	1.69	2.05	2.41	2.80	3.24	3.77
35+2	1.31	1.72	2.09	2.44	2.84	3.28	3.80
35+3	1.34	1.75	2.12	2.48	2.87	3.31	3.84
35+4	1.37	1.78	2.15	2.51	2.90	3.35	3.87
35+5	1.39	1.81	2.18	2.54	2.93	3.38	3.91
35+6	1.42	1.84	2.21	2.57	2.97	3.41	3.94
36+0	1.45	1.87	2.24	2.60	3.00	3.45	3.97
36+1	1.48	1.90	2.27	2.63	3.03	3.48	4.01
36+2	1.51	1.93	2.30	2.66	3.06	3.51	4.04
36+3	1.53	1.96	2.33	2.69	3.09	3.54	4.07
36+4	1.56	1.99	2.36	2.72	3.12	3.57	4.10
36+5	1.59	2.01	2.38	2.74	3.15	3.60	4.13
36+6	1.61	2.04	2.41	2.77	3.17	3.63	4.16
37+0	1.64	2.06	2.44	2.80	3.20	3.65	4.19
37+1	1.66	2.09	2.46	2.83	3.23	3.68	4.22
37+2	1.68	2.11	2.49	2.85	3.26	3.71	4.25
37+3	1.71	2.14	2.51	2.88	3.28	3.74	4.28
37+4	1.73	2.16	2.54	2.90	3.31	3.76	4.30
37+5	1.75	2.19	2.56	2.93	3.33	3.79	4.33
37+6	1.78	2.21	2.58	2.95	3.36	3.82	4.36

International Newborn Size Standards



INTERGROWTH-21st

Birthweight (kg) Girls



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
38+0	1.80	2.23	2.61	2.97	3.38	3.84	4.38
38+1	1.82	2.25	2.63	3.00	3.41	3.86	4.41
38+2	1.84	2.27	2.65	3.02	3.43	3.89	4.43
38+3	1.86	2.30	2.67	3.04	3.45	3.91	4.46
38+4	1.88	2.32	2.69	3.06	3.47	3.94	4.48
38+5	1.90	2.34	2.72	3.09	3.50	3.96	4.51
38+6	1.92	2.36	2.74	3.11	3.52	3.98	4.53
39+0	1.94	2.38	2.76	3.13	3.54	4.00	4.55
39+1	1.96	2.40	2.78	3.15	3.56	4.02	4.57
39+2	1.98	2.41	2.80	3.17	3.58	4.05	4.59
39+3	1.99	2.43	2.81	3.19	3.60	4.07	4.62
39+4	2.01	2.45	2.83	3.21	3.62	4.09	4.64
39+5	2.03	2.47	2.85	3.22	3.64	4.11	4.66
39+6	2.04	2.48	2.87	3.24	3.66	4.12	4.68
40+0	2.06	2.50	2.88	3.26	3.68	4.14	4.70
40+1	2.08	2.52	2.90	3.28	3.69	4.16	4.72
40+2	2.09	2.53	2.92	3.29	3.71	4.18	4.73
40+3	2.11	2.55	2.93	3.31	3.73	4.20	4.75
40+4	2.12	2.56	2.95	3.33	3.74	4.21	4.77
40+5	2.13	2.58	2.96	3.34	3.76	4.23	4.79
40+6	2.15	2.59	2.98	3.36	3.78	4.25	4.81
41+0	2.16	2.61	2.99	3.37	3.79	4.26	4.82
41+1	2.17	2.62	3.01	3.39	3.81	4.28	4.84
41+2	2.19	2.63	3.02	3.40	3.82	4.29	4.85
41+3	2.20	2.64	3.03	3.41	3.83	4.31	4.87
41+4	2.21	2.66	3.05	3.43	3.85	4.32	4.88
41+5	2.22	2.67	3.06	3.44	3.86	4.34	4.90
41+6	2.23	2.68	3.07	3.45	3.87	4.35	4.91
42+0	2.24	2.69	3.08	3.46	3.89	4.36	4.93
42+1	2.25	2.70	3.09	3.48	3.90	4.38	4.94
42+2	2.26	2.71	3.10	3.49	3.91	4.39	4.95
42+3	2.27	2.72	3.12	3.50	3.92	4.40	4.97
42+4	2.28	2.73	3.13	3.51	3.93	4.41	4.98
42+5	2.29	2.74	3.14	3.52	3.94	4.42	4.99
42+6	2.30	2.75	3.14	3.53	3.96	4.43	5.00

International Newborn Size Standards Weight (Girls)



International Newborn Size Standards



Length (cm) Girls

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
33+0	37.2	39.5	41.6	43.4	45.2	47.1	49.3
33+1	37.4	39.7	41.7	43.6	45.4	47.3	49.5
33+2	37.6	39.9	41.9	43.7	45.5	47.4	49.6
33+3	37.8	40.1	42.1	43.9	45.7	47.6	49.8
33+4	38.0	40.3	42.3	44.1	45.8	47.7	49.9
33+5	38.1	40.5	42.4	44.2	46.0	47.9	50.0
33+6	38.3	40.6	42.6	44.4	46.1	48.0	50.2
34+0	38.5	40.8	42.8	44.6	46.3	48.2	50.3
34+1	38.7	41.0	42.9	44.7	46.4	48.3	50.4
34+2	38.8	41.1	43.1	44.9	46.6	48.4	50.6
34+3	39.0	41.3	43.2	45.0	46.7	48.6	50.7
34+4	39.2	41.4	43.4	45.2	46.9	48.7	50.8
34+5	39.3	41.6	43.5	45.3	47.0	48.8	51.0
34+6	39.5	41.8	43.7	45.4	47.1	49.0	51.1
35+0	39.7	41.9	43.8	45.6	47.3	49.1	51.2
35+1	39.8	42.1	44.0	45.7	47.4	49.2	51.3
35+2	40.0	42.2	44.1	45.8	47.5	49.3	51.4
35+3	40.1	42.3	44.2	46.0	47.7	49.5	51.5
35+4	40.3	42.5	44.4	46.1	47.8	49.6	51.7
35+5	40.4	42.6	44.5	46.2	47.9	49.7	51.8
35+6	40.6	42.8	44.6	46.4	48.0	49.8	51.9
36+0	40.7	42.9	44.8	46.5	48.1	49.9	52.0
36+1	40.8	43.0	44.9	46.6	48.3	50.0	52.1
36+2	41.0	43.2	45.0	46.7	48.4	50.1	52.2
36+3	41.1	43.3	45.1	46.8	48.5	50.2	52.3
36+4	41.3	43.4	45.3	47.0	48.6	50.4	52.4
36+5	41.4	43.5	45.4	47.1	48.7	50.5	52.5
36+6	41.5	43.7	45.5	47.2	48.8	50.6	52.6
37+0	41.6	43.8	45.6	47.3	48.9	50.7	52.7
37+1	41.8	43.9	45.7	47.4	49.0	50.8	52.8
37+2	41.9	44.0	45.8	47.5	49.1	50.9	52.9
37+3	42.0	44.1	45.9	47.6	49.2	51.0	53.0
37+4	42.1	44.2	46.1	47.7	49.3	51.0	53.0
37+5	42.2	44.4	46.2	47.8	49.4	51.1	53.1
37+6	42.3	44.5	46.3	47.9	49.5	51.2	53.2

International Newborn Size Standards



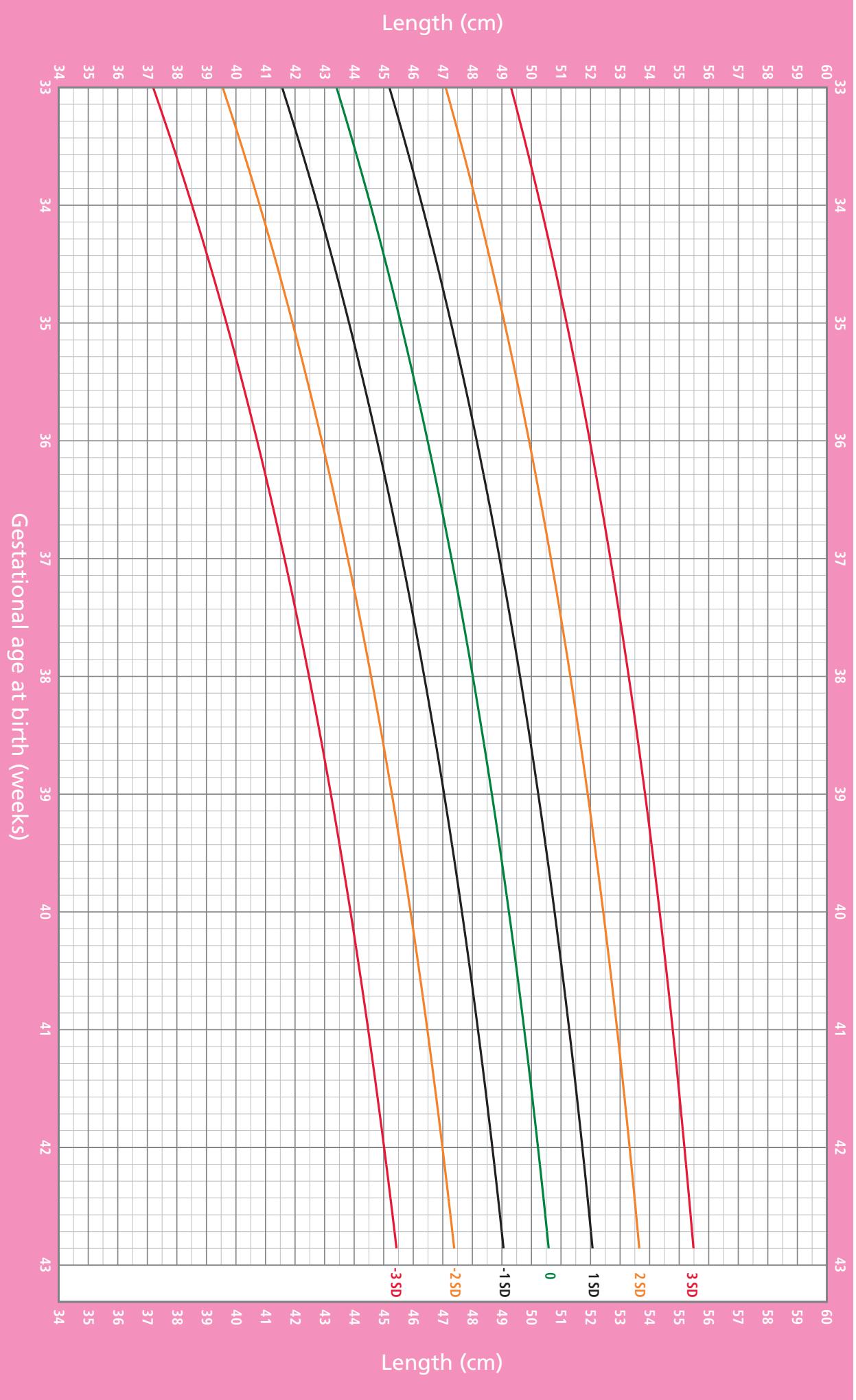
Length (cm) Girls

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
38+0	42.5	44.6	46.4	48.0	49.6	51.3	53.3
38+1	42.6	44.7	46.5	48.1	49.7	51.4	53.4
38+2	42.7	44.8	46.6	48.2	49.8	51.5	53.5
38+3	42.8	44.9	46.7	48.3	49.9	51.6	53.5
38+4	42.9	45.0	46.8	48.4	50.0	51.7	53.6
38+5	43.0	45.1	46.9	48.5	50.1	51.7	53.7
38+6	43.1	45.2	46.9	48.6	50.1	51.8	53.8
39+0	43.2	45.3	47.0	48.7	50.2	51.9	53.9
39+1	43.3	45.4	47.1	48.7	50.3	52.0	53.9
39+2	43.4	45.5	47.2	48.8	50.4	52.1	54.0
39+3	43.5	45.6	47.3	48.9	50.5	52.1	54.1
39+4	43.6	45.6	47.4	49.0	50.6	52.2	54.1
39+5	43.7	45.7	47.5	49.1	50.6	52.3	54.2
39+6	43.8	45.8	47.6	49.2	50.7	52.4	54.3
40+0	43.9	45.9	47.6	49.2	50.8	52.4	54.3
40+1	44.0	46.0	47.7	49.3	50.9	52.5	54.4
40+2	44.0	46.1	47.8	49.4	50.9	52.6	54.5
40+3	44.1	46.2	47.9	49.5	51.0	52.6	54.5
40+4	44.2	46.2	48.0	49.5	51.1	52.7	54.6
40+5	44.3	46.3	48.0	49.6	51.1	52.8	54.7
40+6	44.4	46.4	48.1	49.7	51.2	52.8	54.7
41+0	44.5	46.5	48.2	49.8	51.3	52.9	54.8
41+1	44.5	46.6	48.3	49.8	51.3	53.0	54.8
41+2	44.6	46.6	48.3	49.9	51.4	53.0	54.9
41+3	44.7	46.7	48.4	50.0	51.5	53.1	55.0
41+4	44.8	46.8	48.5	50.0	51.5	53.2	55.0
41+5	44.9	46.8	48.5	50.1	51.6	53.2	55.1
41+6	44.9	46.9	48.6	50.2	51.7	53.3	55.1
42+0	45.0	47.0	48.7	50.2	51.7	53.3	55.2
42+1	45.1	47.1	48.7	50.3	51.8	53.4	55.2
42+2	45.2	47.1	48.8	50.3	51.8	53.4	55.3
42+3	45.2	47.2	48.9	50.4	51.9	53.5	55.3
42+4	45.3	47.3	48.9	50.5	52.0	53.5	55.4
42+5	45.4	47.3	49.0	50.5	52.0	53.6	55.4
42+6	45.4	47.4	49.1	50.6	52.1	53.7	55.5

International Newborn Size Standards Length (Girls)



International Newborn Size Standards



INTERGROWTH-21st

Head Circumference (cm) Girls



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
33+0	26.2	27.8	29.1	30.5	31.8	33.3	35.1
33+1	26.3	27.9	29.2	30.6	31.9	33.4	35.1
33+2	26.4	28.0	29.3	30.6	32.0	33.5	35.2
33+3	26.5	28.1	29.4	30.7	32.1	33.6	35.3
33+4	26.6	28.2	29.5	30.8	32.2	33.6	35.3
33+5	26.7	28.3	29.6	30.9	32.2	33.7	35.4
33+6	26.8	28.4	29.7	31.0	32.3	33.8	35.5
34+0	26.9	28.5	29.8	31.1	32.4	33.8	35.5
34+1	27.0	28.6	29.9	31.2	32.5	33.9	35.6
34+2	27.1	28.7	30.0	31.2	32.6	34.0	35.6
34+3	27.2	28.8	30.1	31.3	32.6	34.0	35.7
34+4	27.3	28.9	30.2	31.4	32.7	34.1	35.8
34+5	27.4	28.9	30.3	31.5	32.8	34.2	35.8
34+6	27.5	29.0	30.3	31.6	32.8	34.2	35.9
35+0	27.6	29.1	30.4	31.6	32.9	34.3	35.9
35+1	27.7	29.2	30.5	31.7	33.0	34.4	36.0
35+2	27.8	29.3	30.6	31.8	33.0	34.4	36.0
35+3	27.9	29.4	30.7	31.9	33.1	34.5	36.1
35+4	28.0	29.5	30.7	31.9	33.2	34.5	36.1
35+5	28.1	29.6	30.8	32.0	33.2	34.6	36.2
35+6	28.2	29.6	30.9	32.1	33.3	34.7	36.2
36+0	28.3	29.7	31.0	32.1	33.4	34.7	36.3
36+1	28.4	29.8	31.0	32.2	33.4	34.8	36.3
36+2	28.4	29.9	31.1	32.3	33.5	34.8	36.4
36+3	28.5	29.9	31.2	32.4	33.6	34.9	36.4
36+4	28.6	30.0	31.3	32.4	33.6	34.9	36.5
36+5	28.7	30.1	31.3	32.5	33.7	35.0	36.5
36+6	28.8	30.2	31.4	32.5	33.7	35.1	36.6
37+0	28.9	30.2	31.5	32.6	33.8	35.1	36.6
37+1	28.9	30.3	31.5	32.7	33.9	35.2	36.7
37+2	29.0	30.4	31.6	32.7	33.9	35.2	36.7
37+3	29.1	30.5	31.7	32.8	34.0	35.3	36.8
37+4	29.2	30.5	31.7	32.9	34.0	35.3	36.8
37+5	29.2	30.6	31.8	32.9	34.1	35.4	36.9
37+6	29.3	30.7	31.9	33.0	34.1	35.4	36.9

International Newborn Size Standards



INTERGROWTH-21st

Head Circumference (cm) Girls

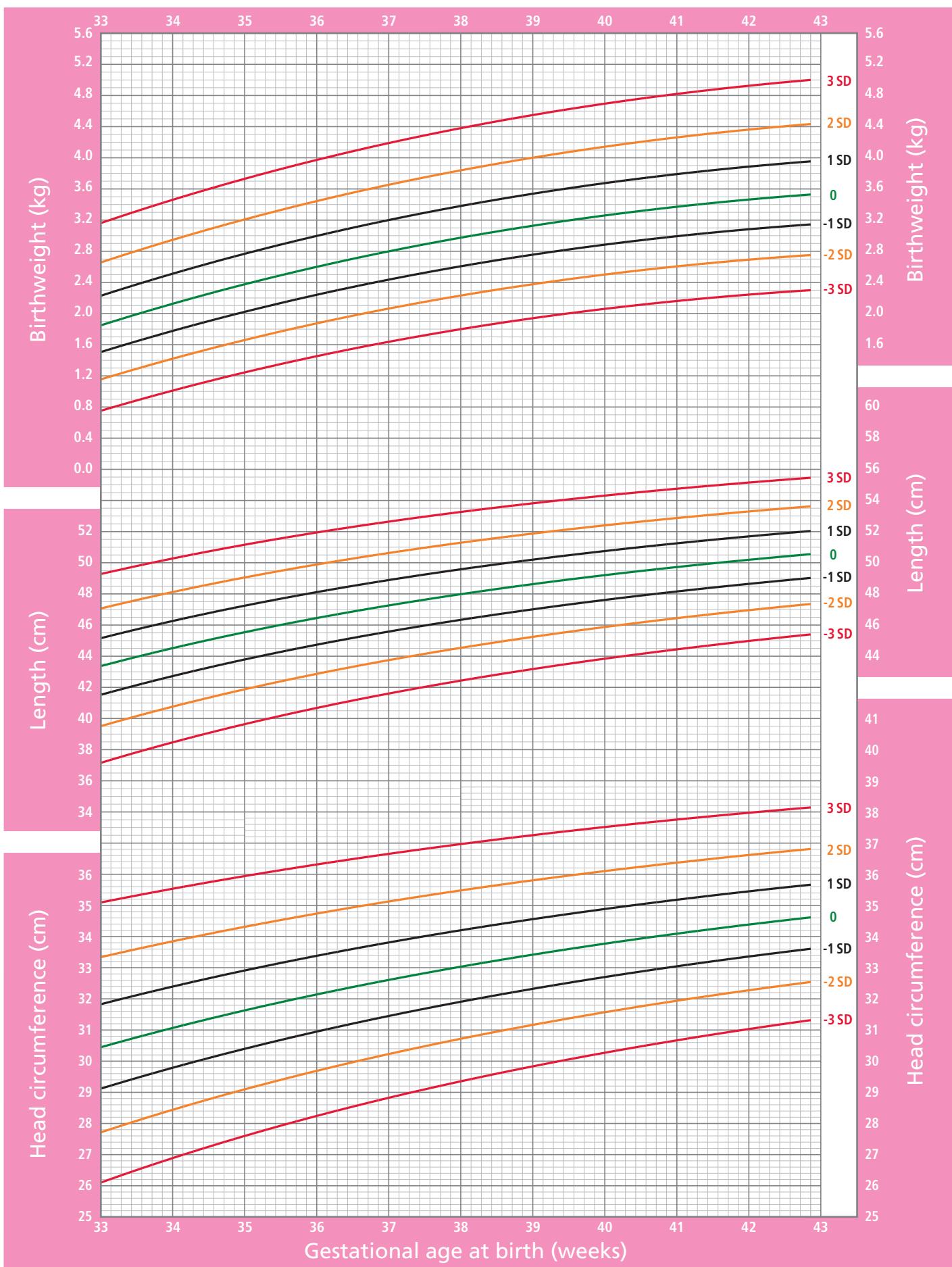


Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
38+0	29.4	30.7	31.9	33.0	34.2	35.5	36.9
38+1	29.5	30.8	32.0	33.1	34.2	35.5	37.0
38+2	29.5	30.9	32.0	33.1	34.3	35.6	37.0
38+3	29.6	30.9	32.1	33.2	34.3	35.6	37.1
38+4	29.7	31.0	32.2	33.3	34.4	35.7	37.1
38+5	29.7	31.1	32.2	33.3	34.4	35.7	37.1
38+6	29.8	31.1	32.3	33.4	34.5	35.7	37.2
39+0	29.9	31.2	32.3	33.4	34.5	35.8	37.2
39+1	29.9	31.2	32.4	33.5	34.6	35.8	37.3
39+2	30.0	31.3	32.4	33.5	34.6	35.9	37.3
39+3	30.0	31.4	32.5	33.6	34.7	35.9	37.3
39+4	30.1	31.4	32.5	33.6	34.7	36.0	37.4
39+5	30.2	31.5	32.6	33.7	34.8	36.0	37.4
39+6	30.2	31.5	32.7	33.7	34.8	36.0	37.4
40+0	30.3	31.6	32.7	33.8	34.9	36.1	37.5
40+1	30.3	31.6	32.8	33.8	34.9	36.1	37.5
40+2	30.4	31.7	32.8	33.9	35.0	36.2	37.6
40+3	30.5	31.7	32.9	33.9	35.0	36.2	37.6
40+4	30.5	31.8	32.9	34.0	35.0	36.2	37.6
40+5	30.6	31.8	32.9	34.0	35.1	36.3	37.7
40+6	30.6	31.9	33.0	34.0	35.1	36.3	37.7
41+0	30.7	31.9	33.0	34.1	35.2	36.3	37.7
41+1	30.7	32.0	33.1	34.1	35.2	36.4	37.8
41+2	30.8	32.0	33.1	34.2	35.2	36.4	37.8
41+3	30.8	32.1	33.2	34.2	35.3	36.5	37.8
41+4	30.9	32.1	33.2	34.3	35.3	36.5	37.8
41+5	30.9	32.2	33.3	34.3	35.4	36.5	37.9
41+6	31.0	32.2	33.3	34.3	35.4	36.6	37.9
42+0	31.0	32.3	33.4	34.4	35.4	36.6	37.9
42+1	31.1	32.3	33.4	34.4	35.5	36.6	38.0
42+2	31.1	32.4	33.4	34.5	35.5	36.7	38.0
42+3	31.2	32.4	33.5	34.5	35.5	36.7	38.0
42+4	31.2	32.5	33.5	34.5	35.6	36.7	38.1
42+5	31.3	32.5	33.6	34.6	35.6	36.8	38.1
42+6	31.3	32.5	33.6	34.6	35.6	36.8	38.1

International Newborn Size Standards Head Circumference (Girls)



International Newborn Size Standards (Girls)



International Newborn Size Standards



INTERGROWTH-21st

Weight-Length Ratio (kg/m) Girls



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
33+0	2.45	3.13	3.81	4.49	5.18	5.86	6.54
33+1	2.51	3.19	3.87	4.55	5.23	5.91	6.59
33+2	2.57	3.25	3.93	4.61	5.29	5.97	6.65
33+3	2.63	3.31	3.99	4.67	5.35	6.03	6.71
33+4	2.68	3.36	4.04	4.73	5.41	6.09	6.77
33+5	2.74	3.42	4.10	4.78	5.46	6.14	6.82
33+6	2.80	3.48	4.16	4.84	5.52	6.20	6.88
34+0	2.85	3.53	4.21	4.89	5.57	6.25	6.94
34+1	2.91	3.59	4.27	4.95	5.63	6.31	6.99
34+2	2.96	3.64	4.32	5.00	5.68	6.36	7.05
34+3	3.02	3.70	4.38	5.06	5.74	6.42	7.10
34+4	3.07	3.75	4.43	5.11	5.79	6.47	7.15
34+5	3.12	3.80	4.48	5.16	5.84	6.53	7.21
34+6	3.17	3.86	4.54	5.22	5.90	6.58	7.26
35+0	3.23	3.91	4.59	5.27	5.95	6.63	7.31
35+1	3.28	3.96	4.64	5.32	6.00	6.68	7.36
35+2	3.33	4.01	4.69	5.37	6.05	6.73	7.41
35+3	3.38	4.06	4.74	5.42	6.10	6.78	7.46
35+4	3.43	4.11	4.79	5.47	6.15	6.83	7.51
35+5	3.48	4.16	4.84	5.52	6.20	6.88	7.56
35+6	3.53	4.21	4.89	5.57	6.25	6.93	7.61
36+0	3.57	4.25	4.93	5.62	6.30	6.98	7.66
36+1	3.62	4.30	4.98	5.66	6.34	7.02	7.70
36+2	3.67	4.35	5.03	5.71	6.39	7.07	7.75
36+3	3.71	4.39	5.07	5.75	6.44	7.12	7.80
36+4	3.76	4.44	5.12	5.80	6.48	7.16	7.84
36+5	3.80	4.48	5.16	5.84	6.52	7.21	7.89
36+6	3.85	4.53	5.21	5.89	6.57	7.25	7.93
37+0	3.89	4.57	5.25	5.93	6.61	7.29	7.97
37+1	3.93	4.61	5.29	5.97	6.65	7.33	8.02
37+2	3.97	4.65	5.33	6.02	6.70	7.38	8.06
37+3	4.01	4.69	5.38	6.06	6.74	7.42	8.10
37+4	4.05	4.73	5.42	6.10	6.78	7.46	8.14
37+5	4.09	4.77	5.45	6.14	6.82	7.50	8.18
37+6	4.13	4.81	5.49	6.17	6.85	7.54	8.22

International Newborn Size Standards



INTERGROWTH-21st

Weight-Length Ratio (kg/m) Girls



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
38+0	4.17	4.85	5.53	6.21	6.89	7.57	8.25
38+1	4.21	4.89	5.57	6.25	6.93	7.61	8.29
38+2	4.24	4.92	5.60	6.28	6.97	7.65	8.33
38+3	4.28	4.96	5.64	6.32	7.00	7.68	8.36
38+4	4.31	4.99	5.67	6.35	7.04	7.72	8.40
38+5	4.35	5.03	5.71	6.39	7.07	7.75	8.43
38+6	4.38	5.06	5.74	6.42	7.10	7.78	8.46
39+0	4.41	5.09	5.77	6.45	7.13	7.81	8.50
39+1	4.44	5.12	5.80	6.48	7.17	7.85	8.53
39+2	4.47	5.15	5.83	6.51	7.20	7.88	8.56
39+3	4.50	5.18	5.86	6.54	7.22	7.91	8.59
39+4	4.53	5.21	5.89	6.57	7.25	7.93	8.61
39+5	4.56	5.24	5.92	6.60	7.28	7.96	8.64
39+6	4.58	5.27	5.95	6.63	7.31	7.99	8.67
40+0	4.61	5.29	5.97	6.65	7.33	8.01	8.69
40+1	4.64	5.32	6.00	6.68	7.36	8.04	8.72
40+2	4.66	5.34	6.02	6.70	7.38	8.06	8.74
40+3	4.68	5.36	6.04	6.72	7.40	8.08	8.77
40+4	4.70	5.38	6.06	6.75	7.43	8.11	8.79
40+5	4.72	5.40	6.09	6.77	7.45	8.13	8.81
40+6	4.74	5.42	6.11	6.79	7.47	8.15	8.83
41+0	4.76	5.44	6.12	6.80	7.49	8.17	8.85
41+1	4.78	5.46	6.14	6.82	7.50	8.18	8.86
41+2	4.80	5.48	6.16	6.84	7.52	8.20	8.88
41+3	4.81	5.49	6.17	6.85	7.54	8.22	8.90
41+4	4.83	5.51	6.19	6.87	7.55	8.23	8.91
41+5	4.84	5.52	6.20	6.88	7.56	8.24	8.92
41+6	4.85	5.53	6.21	6.90	7.58	8.26	8.94
42+0	4.86	5.55	6.23	6.91	7.59	8.27	8.95
42+1	4.88	5.56	6.24	6.92	7.60	8.28	8.96
42+2	4.88	5.56	6.25	6.93	7.61	8.29	8.97
42+3	4.89	5.57	6.25	6.93	7.61	8.30	8.98
42+4	4.90	5.58	6.26	6.94	7.62	8.30	8.98
42+5	4.90	5.59	6.27	6.95	7.63	8.31	8.99
42+6	4.91	5.59	6.27	6.95	7.63	8.31	8.99

International Newborn Size Standards Weight-Length Ratio (Girls)

