

International Newborn Size References for Very Preterm Infants



Birthweight (kg) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
24+0	0.44	0.46	0.50	0.64	0.82	0.88	0.92
24+1	0.45	0.47	0.51	0.65	0.83	0.89	0.93
24+2	0.46	0.48	0.52	0.66	0.85	0.91	0.95
24+3	0.47	0.49	0.53	0.68	0.87	0.93	0.97
24+4	0.48	0.50	0.54	0.69	0.88	0.95	0.99
24+5	0.49	0.51	0.55	0.70	0.90	0.96	1.01
24+6	0.50	0.52	0.56	0.72	0.92	0.98	1.03
25+0	0.51	0.53	0.57	0.73	0.93	1.00	1.05
25+1	0.52	0.54	0.58	0.74	0.95	1.02	1.07
25+2	0.53	0.55	0.59	0.76	0.97	1.04	1.09
25+3	0.54	0.56	0.60	0.77	0.99	1.06	1.11
25+4	0.55	0.57	0.61	0.79	1.01	1.08	1.13
25+5	0.56	0.58	0.63	0.80	1.03	1.10	1.15
25+6	0.57	0.59	0.64	0.82	1.04	1.12	1.17
26+0	0.58	0.60	0.65	0.83	1.06	1.14	1.20
26+1	0.59	0.62	0.66	0.85	1.08	1.16	1.22
26+2	0.60	0.63	0.67	0.86	1.10	1.19	1.24
26+3	0.61	0.64	0.69	0.88	1.13	1.21	1.26
26+4	0.62	0.65	0.70	0.89	1.15	1.23	1.29
26+5	0.63	0.66	0.71	0.91	1.17	1.25	1.31
26+6	0.65	0.68	0.72	0.93	1.19	1.28	1.33
27+0	0.66	0.69	0.74	0.95	1.21	1.30	1.36
27+1	0.67	0.70	0.75	0.96	1.23	1.32	1.38
27+2	0.68	0.71	0.77	0.98	1.26	1.35	1.41
27+3	0.69	0.73	0.78	1.00	1.28	1.37	1.44
27+4	0.71	0.74	0.79	1.02	1.30	1.40	1.46
27+5	0.72	0.75	0.81	1.03	1.33	1.42	1.49
27+6	0.73	0.77	0.82	1.05	1.35	1.45	1.52
28+0	0.75	0.78	0.84	1.07	1.37	1.47	1.54
28+1	0.76	0.79	0.85	1.09	1.40	1.50	1.57
28+2	0.77	0.81	0.87	1.11	1.42	1.53	1.60
28+3	0.79	0.82	0.88	1.13	1.45	1.56	1.63
28+4	0.80	0.84	0.90	1.15	1.48	1.58	1.66

International Newborn Size References for Very Preterm Infants



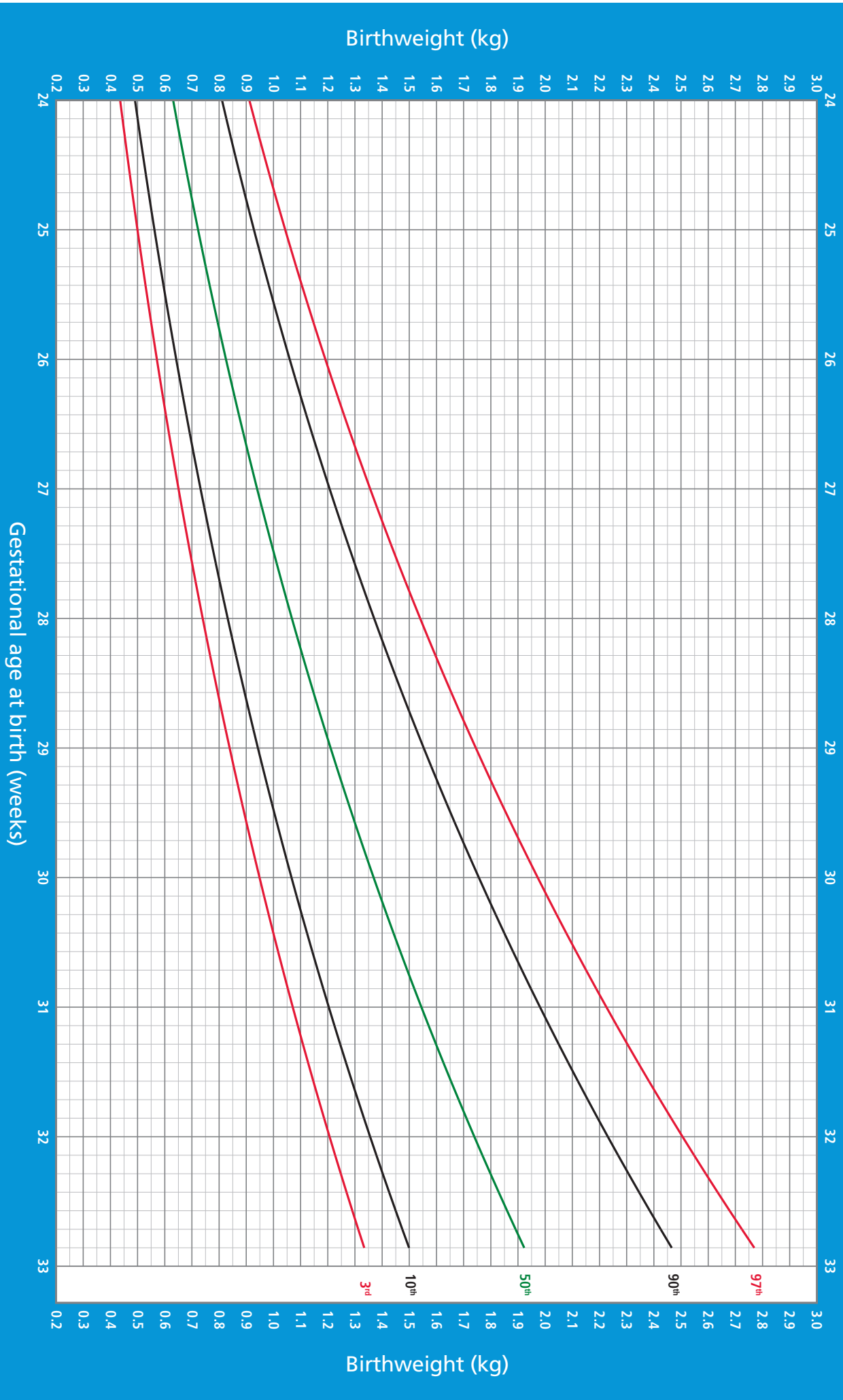
Birthweight (kg) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
28+5	0.82	0.85	0.92	1.17	1.50	1.61	1.69
28+6	0.83	0.87	0.93	1.19	1.53	1.64	1.72
29+0	0.84	0.88	0.95	1.21	1.56	1.67	1.75
29+1	0.86	0.90	0.97	1.24	1.58	1.70	1.78
29+2	0.87	0.92	0.98	1.26	1.61	1.73	1.81
29+3	0.89	0.93	1.00	1.28	1.64	1.76	1.84
29+4	0.91	0.95	1.02	1.30	1.67	1.79	1.87
29+5	0.92	0.96	1.03	1.33	1.70	1.82	1.91
29+6	0.94	0.98	1.05	1.35	1.73	1.85	1.94
30+0	0.95	1.00	1.07	1.37	1.76	1.89	1.97
30+1	0.97	1.02	1.09	1.40	1.79	1.92	2.01
30+2	0.99	1.03	1.11	1.42	1.82	1.95	2.04
30+3	1.00	1.05	1.13	1.45	1.85	1.99	2.08
30+4	1.02	1.07	1.15	1.47	1.88	2.02	2.11
30+5	1.04	1.09	1.17	1.50	1.92	2.05	2.15
30+6	1.06	1.11	1.19	1.52	1.95	2.09	2.19
31+0	1.08	1.13	1.21	1.55	1.98	2.13	2.23
31+1	1.09	1.15	1.23	1.57	2.02	2.16	2.26
31+2	1.11	1.16	1.25	1.60	2.05	2.20	2.30
31+3	1.13	1.18	1.27	1.63	2.09	2.24	2.34
31+4	1.15	1.21	1.29	1.66	2.12	2.28	2.38
31+5	1.17	1.23	1.31	1.68	2.16	2.31	2.42
31+6	1.19	1.25	1.34	1.71	2.19	2.35	2.46
32+0	1.21	1.27	1.36	1.74	2.23	2.39	2.50
32+1	1.23	1.29	1.38	1.77	2.27	2.43	2.55
32+2	1.25	1.31	1.41	1.80	2.31	2.47	2.59
32+3	1.27	1.33	1.43	1.83	2.35	2.52	2.63
32+4	1.29	1.35	1.45	1.86	2.38	2.56	2.68
32+5	1.32	1.38	1.48	1.89	2.42	2.60	2.72
32+6	1.34	1.40	1.50	1.92	2.46	2.64	2.77

International Newborn Size Reference Charts for Very Preterm Infants Weight (Boys)



International Newborn Size References for Very Preterm Infants



Length (cm) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
24+0	27.3	27.9	28.9	32.2	35.5	36.5	37.1
24+1	27.5	28.1	29.1	32.4	35.7	36.7	37.3
24+2	27.7	28.3	29.2	32.6	35.9	36.9	37.5
24+3	27.9	28.5	29.4	32.8	36.1	37.0	37.6
24+4	28.1	28.7	29.6	32.9	36.3	37.2	37.8
24+5	28.2	28.8	29.8	33.1	36.5	37.4	38.0
24+6	28.4	29.0	30.0	33.3	36.6	37.6	38.2
25+0	28.6	29.2	30.2	33.5	36.8	37.8	38.4
25+1	28.8	29.4	30.3	33.7	37.0	37.9	38.6
25+2	29.0	29.6	30.5	33.8	37.2	38.1	38.7
25+3	29.1	29.8	30.7	34.0	37.4	38.3	38.9
25+4	29.3	29.9	30.9	34.2	37.5	38.5	39.1
25+5	29.5	30.1	31.1	34.4	37.7	38.7	39.3
25+6	29.7	30.3	31.2	34.6	37.9	38.8	39.5
26+0	29.9	30.5	31.4	34.8	38.1	39.0	39.6
26+1	30.0	30.7	31.6	34.9	38.3	39.2	39.8
26+2	30.2	30.8	31.8	35.1	38.4	39.4	40.0
26+3	30.4	31.0	32.0	35.3	38.6	39.6	40.2
26+4	30.6	31.2	32.1	35.5	38.8	39.8	40.4
26+5	30.8	31.4	32.3	35.7	39.0	39.9	40.6
26+6	31.0	31.6	32.5	35.8	39.2	40.1	40.7
27+0	31.1	31.7	32.7	36.0	39.4	40.3	40.9
27+1	31.3	31.9	32.9	36.2	39.5	40.5	41.1
27+2	31.5	32.1	33.1	36.4	39.7	40.7	41.3
27+3	31.7	32.3	33.2	36.6	39.9	40.8	41.5
27+4	31.9	32.5	33.4	36.8	40.1	41.0	41.6
27+5	32.0	32.7	33.6	36.9	40.3	41.2	41.8
27+6	32.2	32.8	33.8	37.1	40.4	41.4	42.0
28+0	32.4	33.0	34.0	37.3	40.6	41.6	42.2
28+1	32.6	33.2	34.1	37.5	40.8	41.8	42.4
28+2	32.8	33.4	34.3	37.7	41.0	41.9	42.5
28+3	32.9	33.6	34.5	37.8	41.2	42.1	42.7
28+4	33.1	33.7	34.7	38.0	41.4	42.3	42.9

International Newborn Size References for Very Preterm Infants



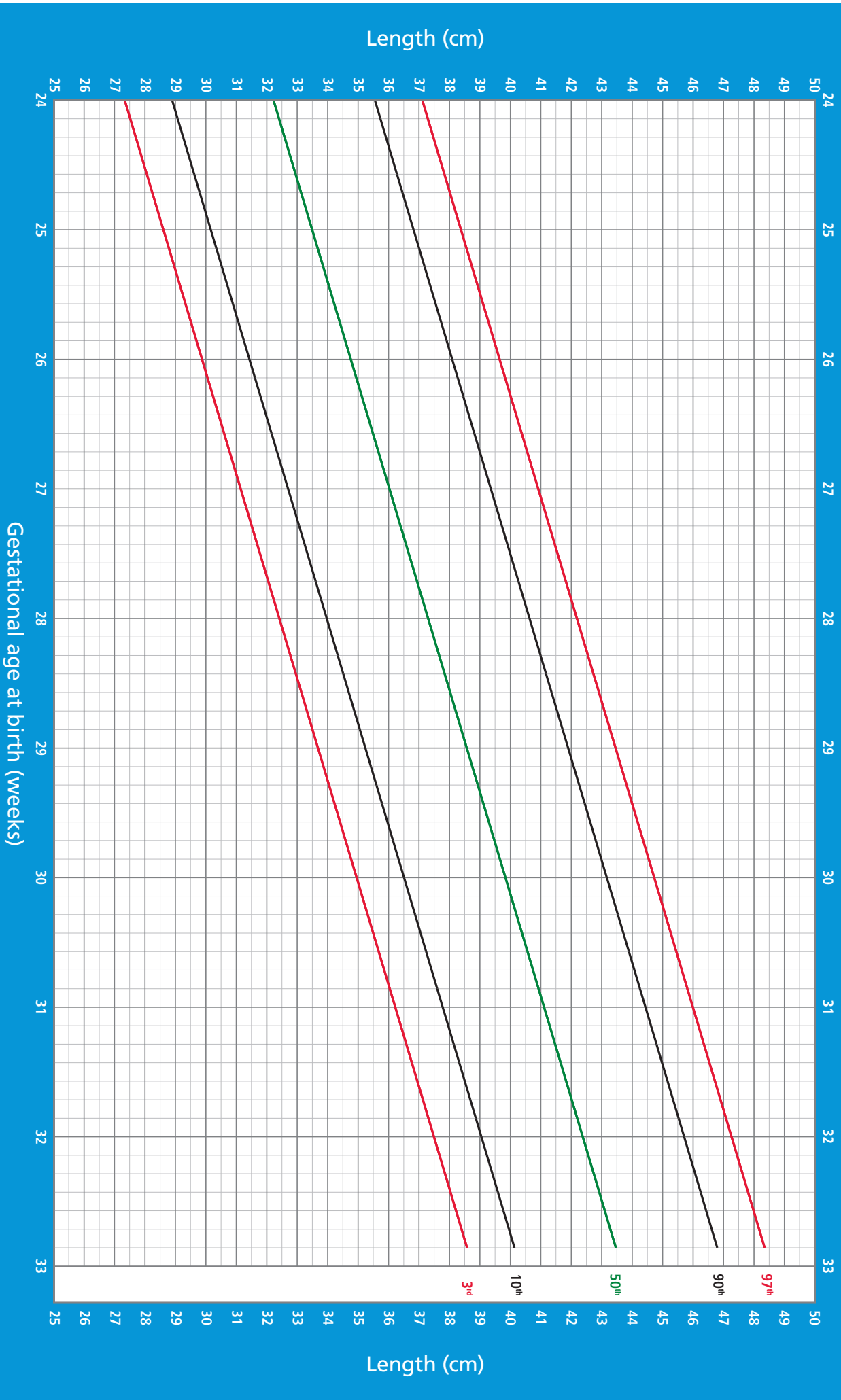
Length (cm)
Boys

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
28+5	33.3	33.9	34.9	38.2	41.5	42.5	43.1
28+6	33.5	34.1	35.1	38.4	41.7	42.7	43.3
29+0	33.7	34.3	35.2	38.6	41.9	42.8	43.5
29+1	33.9	34.5	35.4	38.7	42.1	43.0	43.6
29+2	34.0	34.7	35.6	38.9	42.3	43.2	43.8
29+3	34.2	34.8	35.8	39.1	42.4	43.4	44.0
29+4	34.4	35.0	36.0	39.3	42.6	43.6	44.2
29+5	34.6	35.2	36.1	39.5	42.8	43.7	44.4
29+6	34.8	35.4	36.3	39.7	43.0	43.9	44.5
30+0	34.9	35.6	36.5	39.8	43.2	44.1	44.7
30+1	35.1	35.7	36.7	40.0	43.3	44.3	44.9
30+2	35.3	35.9	36.9	40.2	43.5	44.5	45.1
30+3	35.5	36.1	37.0	40.4	43.7	44.7	45.3
30+4	35.7	36.3	37.2	40.6	43.9	44.8	45.4
30+5	35.9	36.5	37.4	40.7	44.1	45.0	45.6
30+6	36.0	36.6	37.6	40.9	44.3	45.2	45.8
31+0	36.2	36.8	37.8	41.1	44.4	45.4	46.0
31+1	36.4	37.0	38.0	41.3	44.6	45.6	46.2
31+2	36.6	37.2	38.1	41.5	44.8	45.7	46.4
31+3	36.8	37.4	38.3	41.6	45.0	45.9	46.5
31+4	36.9	37.6	38.5	41.8	45.2	46.1	46.7
31+5	37.1	37.7	38.7	42.0	45.3	46.3	46.9
31+6	37.3	37.9	38.9	42.2	45.5	46.5	47.1
32+0	37.5	38.1	39.0	42.4	45.7	46.7	47.3
32+1	37.7	38.3	39.2	42.6	45.9	46.8	47.4
32+2	37.8	38.5	39.4	42.7	46.1	47.0	47.6
32+3	38.0	38.6	39.6	42.9	46.3	47.2	47.8
32+4	38.2	38.8	39.8	43.1	46.4	47.4	48.0
32+5	38.4	39.0	40.0	43.3	46.6	47.6	48.2
32+6	38.6	39.2	40.1	43.5	46.8	47.7	48.4

International Newborn Size Reference Charts for Very Preterm Infants Length (Boys)



International Newborn Size References for Very Preterm Infants



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
24+0	19.4	19.8	20.3	22.3	24.3	24.9	25.3
24+1	19.5	19.9	20.5	22.5	24.5	25.0	25.4
24+2	19.7	20.0	20.6	22.6	24.6	25.2	25.5
24+3	19.8	20.2	20.7	22.7	24.7	25.3	25.7
24+4	19.9	20.3	20.8	22.8	24.8	25.4	25.8
24+5	20.0	20.4	21.0	23.0	25.0	25.5	25.9
24+6	20.2	20.5	21.1	23.1	25.1	25.7	26.0
25+0	20.3	20.7	21.2	23.2	25.2	25.8	26.2
25+1	20.4	20.8	21.4	23.4	25.4	25.9	26.3
25+2	20.5	20.9	21.5	23.5	25.5	26.0	26.4
25+3	20.7	21.0	21.6	23.6	25.6	26.2	26.5
25+4	20.8	21.2	21.7	23.7	25.7	26.3	26.7
25+5	20.9	21.3	21.9	23.9	25.9	26.4	26.8
25+6	21.1	21.4	22.0	24.0	26.0	26.6	26.9
26+0	21.2	21.6	22.1	24.1	26.1	26.7	27.1
26+1	21.3	21.7	22.2	24.2	26.2	26.8	27.2
26+2	21.4	21.8	22.4	24.4	26.4	26.9	27.3
26+3	21.6	21.9	22.5	24.5	26.5	27.1	27.4
26+4	21.7	22.1	22.6	24.6	26.6	27.2	27.6
26+5	21.8	22.2	22.8	24.8	26.7	27.3	27.7
26+6	21.9	22.3	22.9	24.9	26.9	27.4	27.8
27+0	22.1	22.4	23.0	25.0	27.0	27.6	27.9
27+1	22.2	22.6	23.1	25.1	27.1	27.7	28.1
27+2	22.3	22.7	23.3	25.3	27.3	27.8	28.2
27+3	22.5	22.8	23.4	25.4	27.4	28.0	28.3
27+4	22.6	22.9	23.5	25.5	27.5	28.1	28.4
27+5	22.7	23.1	23.6	25.6	27.6	28.2	28.6
27+6	22.8	23.2	23.8	25.8	27.8	28.3	28.7
28+0	23.0	23.3	23.9	25.9	27.9	28.5	28.8
28+1	23.1	23.5	24.0	26.0	28.0	28.6	29.0
28+2	23.2	23.6	24.1	26.1	28.1	28.7	29.1
28+3	23.3	23.7	24.3	26.3	28.3	28.8	29.2
28+4	23.5	23.8	24.4	26.4	28.4	29.0	29.3

International Newborn Size References for Very Preterm Infants



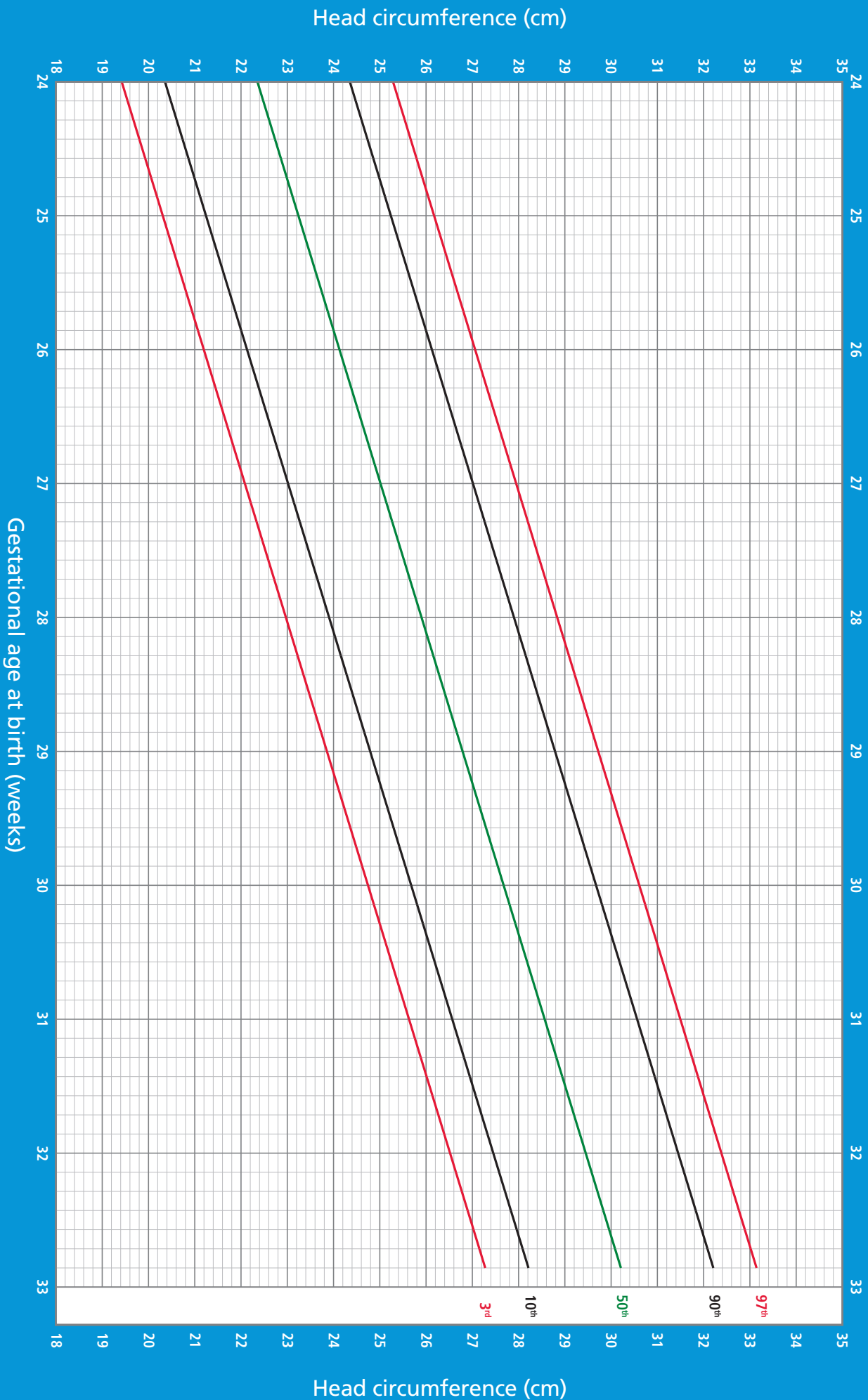
Head Circumference (cm) Boys

INTERGROWTH-21st



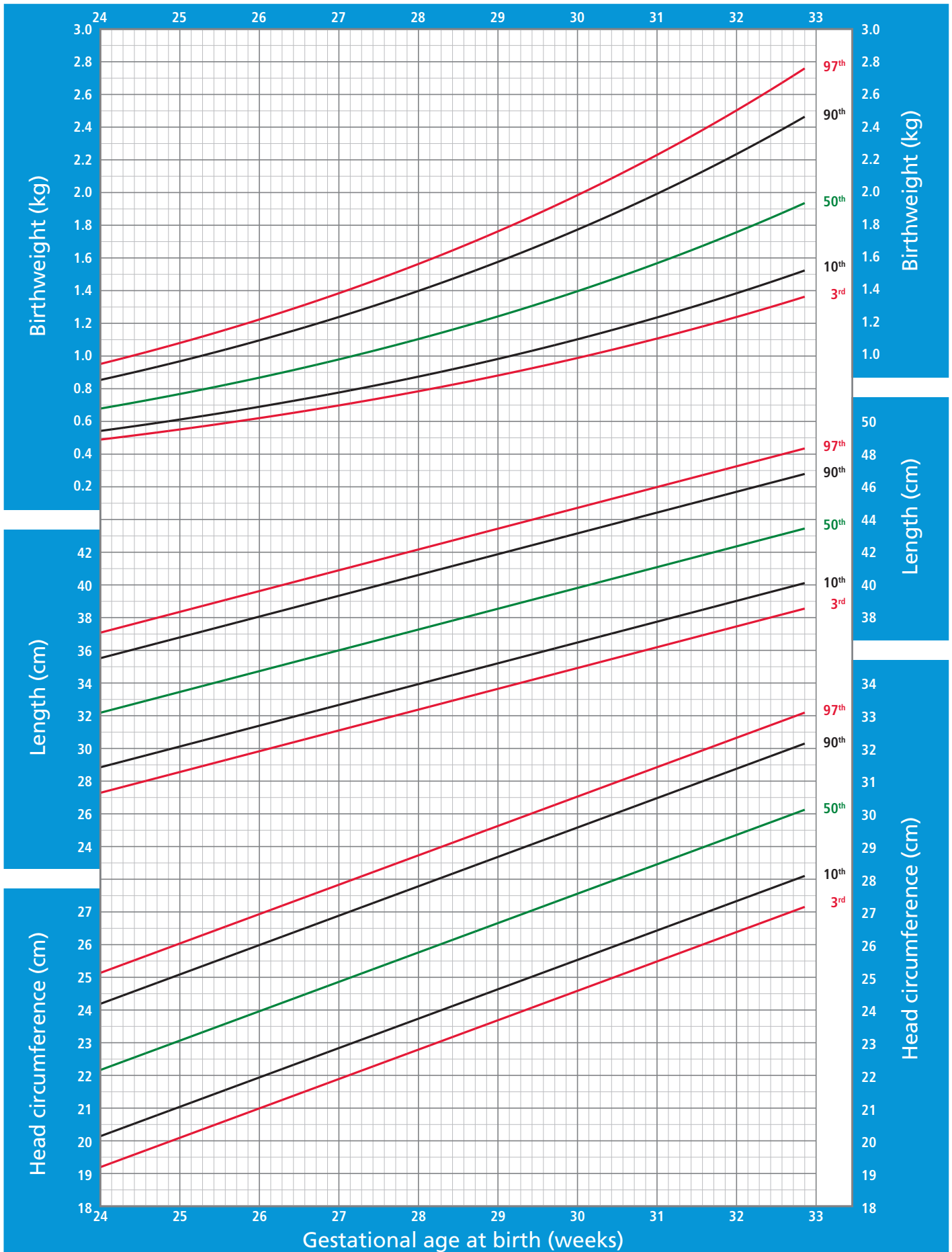
Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
28+5	23.6	24.0	24.5	26.5	28.5	29.1	29.5
28+6	23.7	24.1	24.7	26.7	28.7	29.2	29.6
29+0	23.8	24.2	24.8	26.8	28.8	29.3	29.7
29+1	24.0	24.3	24.9	26.9	28.9	29.5	29.8
29+2	24.1	24.5	25.0	27.0	29.0	29.6	30.0
29+3	24.2	24.6	25.2	27.2	29.2	29.7	30.1
29+4	24.4	24.7	25.3	27.3	29.3	29.9	30.2
29+5	24.5	24.8	25.4	27.4	29.4	30.0	30.3
29+6	24.6	25.0	25.5	27.5	29.5	30.1	30.5
30+0	24.7	25.1	25.7	27.7	29.7	30.2	30.6
30+1	24.9	25.2	25.8	27.8	29.8	30.4	30.7
30+2	25.0	25.4	25.9	27.9	29.9	30.5	30.9
30+3	25.1	25.5	26.0	28.0	30.0	30.6	31.0
30+4	25.2	25.6	26.2	28.2	30.2	30.7	31.1
30+5	25.4	25.7	26.3	28.3	30.3	30.9	31.2
30+6	25.5	25.9	26.4	28.4	30.4	31.0	31.4
31+0	25.6	26.0	26.6	28.6	30.6	31.1	31.5
31+1	25.7	26.1	26.7	28.7	30.7	31.2	31.6
31+2	25.9	26.2	26.8	28.8	30.8	31.4	31.7
31+3	26.0	26.4	26.9	28.9	30.9	31.5	31.9
31+4	26.1	26.5	27.1	29.1	31.1	31.6	32.0
31+5	26.3	26.6	27.2	29.2	31.2	31.8	32.1
31+6	26.4	26.7	27.3	29.3	31.3	31.9	32.2
32+0	26.5	26.9	27.4	29.4	31.4	32.0	32.4
32+1	26.6	27.0	27.6	29.6	31.6	32.1	32.5
32+2	26.8	27.1	27.7	29.7	31.7	32.3	32.6
32+3	26.9	27.3	27.8	29.8	31.8	32.4	32.8
32+4	27.0	27.4	28.0	29.9	31.9	32.5	32.9
32+5	27.1	27.5	28.1	30.1	32.1	32.6	33.0
32+6	27.3	27.6	28.2	30.2	32.2	32.8	33.1

International Newborn Size Reference Charts for Very Preterm Infants Head Circumference (Boys)



International Newborn Size Reference Charts for Very Preterm Infants (Boys)

INTERGROWTH-21st



International Newborn Size References for Very Preterm Infants



Weight-Length Ratio (kg/m) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
24+0	1.18	1.32	1.54	2.31	3.07	3.29	3.43
24+1	1.20	1.34	1.56	2.32	3.09	3.30	3.44
24+2	1.21	1.35	1.57	2.33	3.10	3.32	3.46
24+3	1.23	1.37	1.58	2.35	3.11	3.33	3.47
24+4	1.24	1.38	1.60	2.36	3.13	3.35	3.49
24+5	1.26	1.40	1.62	2.38	3.15	3.36	3.50
24+6	1.27	1.41	1.63	2.40	3.16	3.38	3.52
25+0	1.29	1.43	1.65	2.41	3.18	3.40	3.54
25+1	1.31	1.45	1.67	2.43	3.20	3.42	3.56
25+2	1.33	1.47	1.69	2.45	3.22	3.43	3.57
25+3	1.35	1.49	1.71	2.47	3.23	3.45	3.59
25+4	1.37	1.51	1.73	2.49	3.25	3.47	3.61
25+5	1.39	1.53	1.75	2.51	3.28	3.49	3.63
25+6	1.41	1.55	1.77	2.53	3.30	3.51	3.65
26+0	1.43	1.57	1.79	2.55	3.32	3.54	3.68
26+1	1.45	1.59	1.81	2.58	3.34	3.56	3.70
26+2	1.48	1.62	1.83	2.60	3.36	3.58	3.72
26+3	1.50	1.64	1.86	2.62	3.39	3.61	3.75
26+4	1.52	1.66	1.88	2.65	3.41	3.63	3.77
26+5	1.55	1.69	1.91	2.67	3.44	3.65	3.80
26+6	1.57	1.71	1.93	2.70	3.46	3.68	3.82
27+0	1.60	1.74	1.96	2.72	3.49	3.71	3.85
27+1	1.63	1.77	1.99	2.75	3.52	3.73	3.87
27+2	1.66	1.80	2.01	2.78	3.54	3.76	3.90
27+3	1.68	1.83	2.04	2.81	3.57	3.79	3.93
27+4	1.71	1.85	2.07	2.84	3.60	3.82	3.96
27+5	1.74	1.88	2.10	2.87	3.63	3.85	3.99
27+6	1.78	1.92	2.13	2.90	3.66	3.88	4.02
28+0	1.81	1.95	2.17	2.93	3.69	3.91	4.05
28+1	1.84	1.98	2.20	2.96	3.73	3.95	4.09
28+2	1.87	2.01	2.23	3.00	3.76	3.98	4.12
28+3	1.91	2.05	2.26	3.03	3.79	4.01	4.15
28+4	1.94	2.08	2.30	3.06	3.83	4.05	4.19

International Newborn Size References for Very Preterm Infants



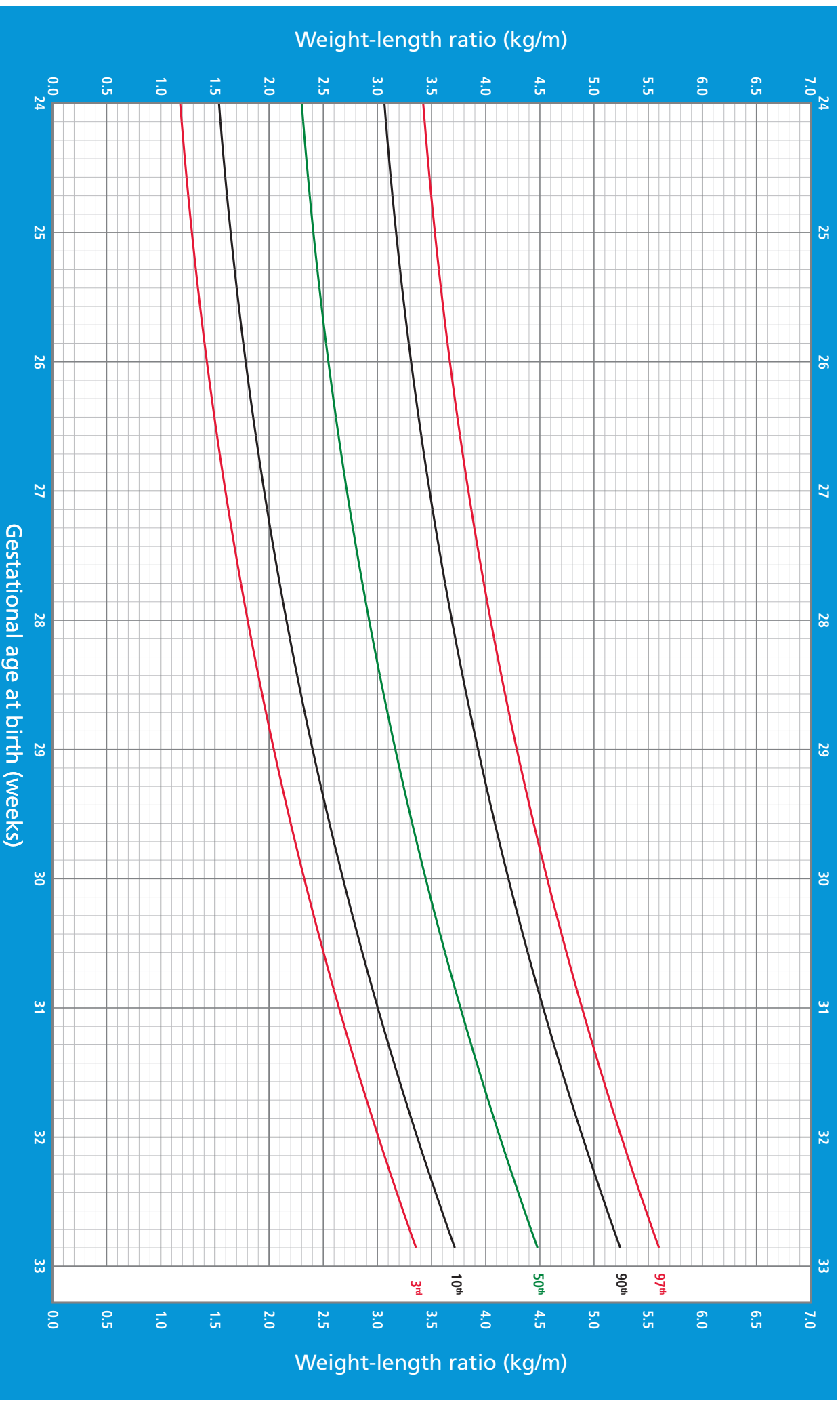
Weight-Length Ratio (kg/m) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
28+5	1.98	2.12	2.33	3.10	3.86	4.08	4.22
28+6	2.01	2.15	2.37	3.14	3.90	4.12	4.26
29+0	2.05	2.19	2.41	3.17	3.94	4.16	4.30
29+1	2.09	2.23	2.45	3.21	3.97	4.19	4.33
29+2	2.13	2.27	2.48	3.25	4.01	4.23	4.37
29+3	2.16	2.30	2.52	3.29	4.05	4.27	4.41
29+4	2.20	2.34	2.56	3.33	4.09	4.31	4.45
29+5	2.25	2.39	2.60	3.37	4.13	4.35	4.49
29+6	2.29	2.43	2.65	3.41	4.18	4.39	4.53
30+0	2.33	2.47	2.69	3.45	4.22	4.44	4.58
30+1	2.37	2.51	2.73	3.50	4.26	4.48	4.62
30+2	2.42	2.56	2.78	3.54	4.31	4.52	4.66
30+3	2.46	2.60	2.82	3.59	4.35	4.57	4.71
30+4	2.51	2.65	2.87	3.63	4.40	4.61	4.76
30+5	2.56	2.70	2.91	3.68	4.44	4.66	4.80
30+6	2.60	2.74	2.96	3.73	4.49	4.71	4.85
31+0	2.65	2.79	3.01	3.77	4.54	4.76	4.90
31+1	2.70	2.84	3.06	3.82	4.59	4.81	4.95
31+2	2.75	2.89	3.11	3.87	4.64	4.86	5.00
31+3	2.80	2.94	3.16	3.93	4.69	4.91	5.05
31+4	2.85	2.99	3.21	3.98	4.74	4.96	5.10
31+5	2.91	3.05	3.27	4.03	4.80	5.01	5.15
31+6	2.96	3.10	3.32	4.08	4.85	5.07	5.21
32+0	3.02	3.16	3.37	4.14	4.90	5.12	5.26
32+1	3.07	3.21	3.43	4.19	4.96	5.18	5.32
32+2	3.13	3.27	3.49	4.25	5.02	5.23	5.37
32+3	3.19	3.33	3.54	4.31	5.07	5.29	5.43
32+4	3.24	3.38	3.60	4.37	5.13	5.35	5.49
32+5	3.30	3.44	3.66	4.43	5.19	5.41	5.55
32+6	3.36	3.50	3.72	4.49	5.25	5.47	5.61

International Newborn Size Reference Charts for Very Preterm Infants Weight-Length Ratio (Boys)



International Newborn Size References for Very Preterm Infants



Birthweight (kg)
Girls

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
24+0	0.42	0.44	0.47	0.60	0.77	0.83	0.87
24+1	0.43	0.45	0.48	0.61	0.79	0.84	0.88
24+2	0.44	0.46	0.49	0.63	0.80	0.86	0.90
24+3	0.44	0.46	0.50	0.64	0.82	0.88	0.92
24+4	0.45	0.47	0.51	0.65	0.83	0.89	0.94
24+5	0.46	0.48	0.52	0.66	0.85	0.91	0.95
24+6	0.47	0.49	0.53	0.68	0.87	0.93	0.97
25+0	0.48	0.50	0.54	0.69	0.88	0.95	0.99
25+1	0.49	0.51	0.55	0.70	0.90	0.96	1.01
25+2	0.50	0.52	0.56	0.71	0.92	0.98	1.03
25+3	0.51	0.53	0.57	0.73	0.93	1.00	1.05
25+4	0.52	0.54	0.58	0.74	0.95	1.02	1.07
25+5	0.53	0.55	0.59	0.76	0.97	1.04	1.09
25+6	0.54	0.56	0.60	0.77	0.99	1.06	1.11
26+0	0.55	0.57	0.61	0.78	1.01	1.08	1.13
26+1	0.56	0.58	0.62	0.80	1.02	1.10	1.15
26+2	0.57	0.59	0.64	0.81	1.04	1.12	1.17
26+3	0.58	0.60	0.65	0.83	1.06	1.14	1.19
26+4	0.59	0.62	0.66	0.85	1.08	1.16	1.22
26+5	0.60	0.63	0.67	0.86	1.10	1.18	1.24
26+6	0.61	0.64	0.68	0.88	1.12	1.20	1.26
27+0	0.62	0.65	0.70	0.89	1.14	1.23	1.28
27+1	0.63	0.66	0.71	0.91	1.16	1.25	1.31
27+2	0.64	0.67	0.72	0.93	1.19	1.27	1.33
27+3	0.66	0.69	0.74	0.94	1.21	1.30	1.36
27+4	0.67	0.70	0.75	0.96	1.23	1.32	1.38
27+5	0.68	0.71	0.76	0.98	1.25	1.34	1.41
27+6	0.69	0.72	0.78	1.00	1.27	1.37	1.43
28+0	0.70	0.74	0.79	1.01	1.30	1.39	1.46
28+1	0.72	0.75	0.81	1.03	1.32	1.42	1.48
28+2	0.73	0.76	0.82	1.05	1.34	1.44	1.51
28+3	0.74	0.78	0.83	1.07	1.37	1.47	1.54
28+4	0.76	0.79	0.85	1.09	1.39	1.49	1.56

International Newborn Size References for Very Preterm Infants



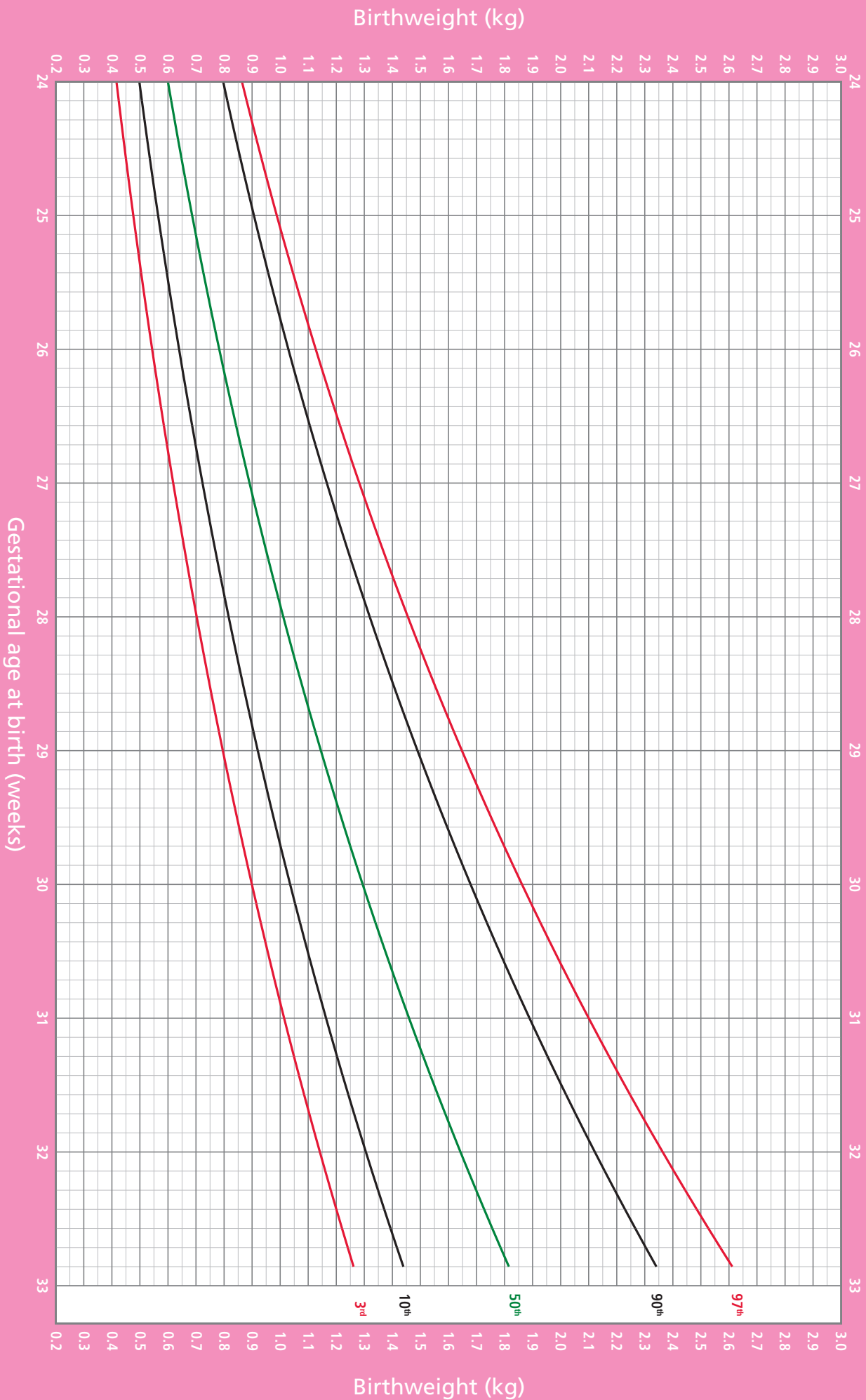
Birthweight (kg)
Girls

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
28+5	0.77	0.81	0.86	1.11	1.42	1.52	1.59
28+6	0.78	0.82	0.88	1.13	1.44	1.55	1.62
29+0	0.80	0.83	0.90	1.15	1.47	1.58	1.65
29+1	0.81	0.85	0.91	1.17	1.50	1.60	1.68
29+2	0.83	0.86	0.93	1.19	1.52	1.63	1.71
29+3	0.84	0.88	0.94	1.21	1.55	1.66	1.74
29+4	0.86	0.90	0.96	1.23	1.58	1.69	1.77
29+5	0.87	0.91	0.98	1.25	1.60	1.72	1.80
29+6	0.89	0.93	0.99	1.27	1.63	1.75	1.83
30+0	0.90	0.94	1.01	1.30	1.66	1.78	1.86
30+1	0.92	0.96	1.03	1.32	1.69	1.81	1.90
30+2	0.93	0.98	1.05	1.34	1.72	1.84	1.93
30+3	0.95	0.99	1.07	1.36	1.75	1.88	1.96
30+4	0.97	1.01	1.08	1.39	1.78	1.91	2.00
30+5	0.98	1.03	1.10	1.41	1.81	1.94	2.03
30+6	1.00	1.05	1.12	1.44	1.84	1.97	2.07
31+0	1.02	1.06	1.14	1.46	1.87	2.01	2.10
31+1	1.03	1.08	1.16	1.49	1.90	2.04	2.14
31+2	1.05	1.10	1.18	1.51	1.94	2.08	2.17
31+3	1.07	1.12	1.20	1.54	1.97	2.11	2.21
31+4	1.09	1.14	1.22	1.56	2.00	2.15	2.25
31+5	1.11	1.16	1.24	1.59	2.04	2.19	2.29
31+6	1.12	1.18	1.26	1.62	2.07	2.22	2.33
32+0	1.14	1.20	1.28	1.64	2.11	2.26	2.37
32+1	1.16	1.22	1.31	1.67	2.14	2.30	2.40
32+2	1.18	1.24	1.33	1.70	2.18	2.34	2.45
32+3	1.20	1.26	1.35	1.73	2.21	2.38	2.49
32+4	1.22	1.28	1.37	1.76	2.25	2.42	2.53
32+5	1.24	1.30	1.40	1.79	2.29	2.46	2.57
32+6	1.26	1.32	1.42	1.82	2.33	2.50	2.61

International Newborn Size Reference Charts for Very Preterm Infants Weight (Girls)



International Newborn Size References for Very Preterm Infants



Length (cm)
Girls

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
24+0	26.9	27.5	28.5	31.8	35.1	36.1	36.7
24+1	27.1	27.7	28.6	32.0	35.3	36.2	36.9
24+2	27.3	27.9	28.8	32.2	35.5	36.4	37.0
24+3	27.4	28.1	29.0	32.3	35.7	36.6	37.2
24+4	27.6	28.2	29.2	32.5	35.8	36.8	37.4
24+5	27.8	28.4	29.4	32.7	36.0	37.0	37.6
24+6	28.0	28.6	29.5	32.9	36.2	37.2	37.8
25+0	28.2	28.8	29.7	33.1	36.4	37.3	37.9
25+1	28.4	29.0	29.9	33.2	36.6	37.5	38.1
25+2	28.5	29.1	30.1	33.4	36.8	37.7	38.3
25+3	28.7	29.3	30.3	33.6	36.9	37.9	38.5
25+4	28.9	29.5	30.5	33.8	37.1	38.1	38.7
25+5	29.1	29.7	30.6	34.0	37.3	38.2	38.9
25+6	29.3	29.9	30.8	34.1	37.5	38.4	39.0
26+0	29.4	30.1	31.0	34.3	37.7	38.6	39.2
26+1	29.6	30.2	31.2	34.5	37.8	38.8	39.4
26+2	29.8	30.4	31.4	34.7	38.0	39.0	39.6
26+3	30.0	30.6	31.5	34.9	38.2	39.1	39.8
26+4	30.2	30.8	31.7	35.1	38.4	39.3	39.9
26+5	30.3	31.0	31.9	35.2	38.6	39.5	40.1
26+6	30.5	31.1	32.1	35.4	38.7	39.7	40.3
27+0	30.7	31.3	32.3	35.6	38.9	39.9	40.5
27+1	30.9	31.5	32.4	35.8	39.1	40.1	40.7
27+2	31.1	31.7	32.6	36.0	39.3	40.2	40.9
27+3	31.3	31.9	32.8	36.1	39.5	40.4	41.0
27+4	31.4	32.0	33.0	36.3	39.7	40.6	41.2
27+5	31.6	32.2	33.2	36.5	39.8	40.8	41.4
27+6	31.8	32.4	33.4	36.7	40.0	41.0	41.6
28+0	32.0	32.6	33.5	36.9	40.2	41.1	41.8
28+1	32.2	32.8	33.7	37.0	40.4	41.3	41.9
28+2	32.3	33.0	33.9	37.2	40.6	41.5	42.1
28+3	32.5	33.1	34.1	37.4	40.7	41.7	42.3
28+4	32.7	33.3	34.3	37.6	40.9	41.9	42.5

International Newborn Size References for Very Preterm Infants



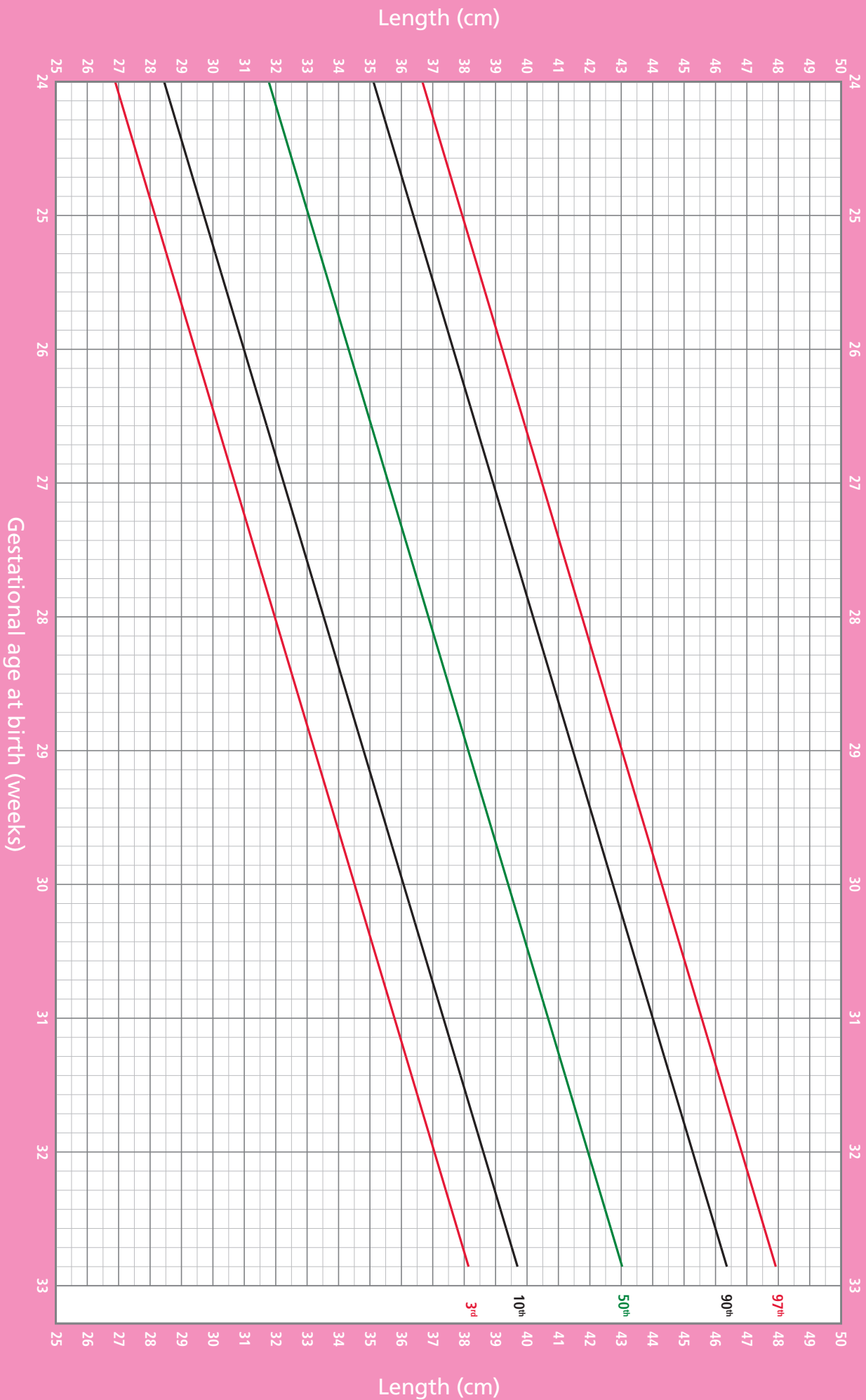
Length (cm)
Girls

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
28+5	32.9	33.5	34.4	37.8	41.1	42.1	42.7
28+6	33.1	33.7	34.6	38.0	41.3	42.2	42.8
29+0	33.2	33.9	34.8	38.1	41.5	42.4	43.0
29+1	33.4	34.0	35.0	38.3	41.7	42.6	43.2
29+2	33.6	34.2	35.2	38.5	41.8	42.8	43.4
29+3	33.8	34.4	35.4	38.7	42.0	43.0	43.6
29+4	34.0	34.6	35.5	38.9	42.2	43.1	43.8
29+5	34.2	34.8	35.7	39.0	42.4	43.3	43.9
29+6	34.3	35.0	35.9	39.2	42.6	43.5	44.1
30+0	34.5	35.1	36.1	39.4	42.7	43.7	44.3
30+1	34.7	35.3	36.3	39.6	42.9	43.9	44.5
30+2	34.9	35.5	36.4	39.8	43.1	44.0	44.7
30+3	35.1	35.7	36.6	40.0	43.3	44.2	44.8
30+4	35.2	35.9	36.8	40.1	43.5	44.4	45.0
30+5	35.4	36.0	37.0	40.3	43.6	44.6	45.2
30+6	35.6	36.2	37.2	40.5	43.8	44.8	45.4
31+0	35.8	36.4	37.3	40.7	44.0	45.0	45.6
31+1	36.0	36.6	37.5	40.9	44.2	45.1	45.7
31+2	36.2	36.8	37.7	41.0	44.4	45.3	45.9
31+3	36.3	36.9	37.9	41.2	44.6	45.5	46.1
31+4	36.5	37.1	38.1	41.4	44.7	45.7	46.3
31+5	36.7	37.3	38.3	41.6	44.9	45.9	46.5
31+6	36.9	37.5	38.4	41.8	45.1	46.0	46.7
32+0	37.1	37.7	38.6	41.9	45.3	46.2	46.8
32+1	37.2	37.9	38.8	42.1	45.5	46.4	47.0
32+2	37.4	38.0	39.0	42.3	45.6	46.6	47.2
32+3	37.6	38.2	39.2	42.5	45.8	46.8	47.4
32+4	37.8	38.4	39.3	42.7	46.0	46.9	47.6
32+5	38.0	38.6	39.5	42.9	46.2	47.1	47.7
32+6	38.1	38.8	39.7	43.0	46.4	47.3	47.9

International Newborn Size Reference Charts for Very Preterm Infants Length (Girls)



International Newborn Size References for Very Preterm Infants



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
24+0	19.2	19.5	20.1	22.1	24.1	24.7	25.0
24+1	19.3	19.7	20.2	22.2	24.2	24.8	25.2
24+2	19.4	19.8	20.3	22.3	24.3	24.9	25.3
24+3	19.5	19.9	20.5	22.5	24.5	25.0	25.4
24+4	19.7	20.0	20.6	22.6	24.6	25.2	25.5
24+5	19.8	20.2	20.7	22.7	24.7	25.3	25.7
24+6	19.9	20.3	20.9	22.9	24.8	25.4	25.8
25+0	20.0	20.4	21.0	23.0	25.0	25.5	25.9
25+1	20.2	20.5	21.1	23.1	25.1	25.7	26.0
25+2	20.3	20.7	21.2	23.2	25.2	25.8	26.2
25+3	20.4	20.8	21.4	23.4	25.4	25.9	26.3
25+4	20.6	20.9	21.5	23.5	25.5	26.1	26.4
25+5	20.7	21.0	21.6	23.6	25.6	26.2	26.5
25+6	20.8	21.2	21.7	23.7	25.7	26.3	26.7
26+0	20.9	21.3	21.9	23.9	25.9	26.4	26.8
26+1	21.1	21.4	22.0	24.0	26.0	26.6	26.9
26+2	21.2	21.6	22.1	24.1	26.1	26.7	27.1
26+3	21.3	21.7	22.2	24.2	26.2	26.8	27.2
26+4	21.4	21.8	22.4	24.4	26.4	26.9	27.3
26+5	21.6	21.9	22.5	24.5	26.5	27.1	27.4
26+6	21.7	22.1	22.6	24.6	26.6	27.2	27.6
27+0	21.8	22.2	22.8	24.8	26.8	27.3	27.7
27+1	21.9	22.3	22.9	24.9	26.9	27.4	27.8
27+2	22.1	22.4	23.0	25.0	27.0	27.6	27.9
27+3	22.2	22.6	23.1	25.1	27.1	27.7	28.1
27+4	22.3	22.7	23.3	25.3	27.3	27.8	28.2
27+5	22.5	22.8	23.4	25.4	27.4	28.0	28.3
27+6	22.6	22.9	23.5	25.5	27.5	28.1	28.4
28+0	22.7	23.1	23.6	25.6	27.6	28.2	28.6
28+1	22.8	23.2	23.8	25.8	27.8	28.3	28.7
28+2	23.0	23.3	23.9	25.9	27.9	28.5	28.8
28+3	23.1	23.5	24.0	26.0	28.0	28.6	29.0
28+4	23.2	23.6	24.1	26.1	28.1	28.7	29.1

International Newborn Size References for Very Preterm Infants



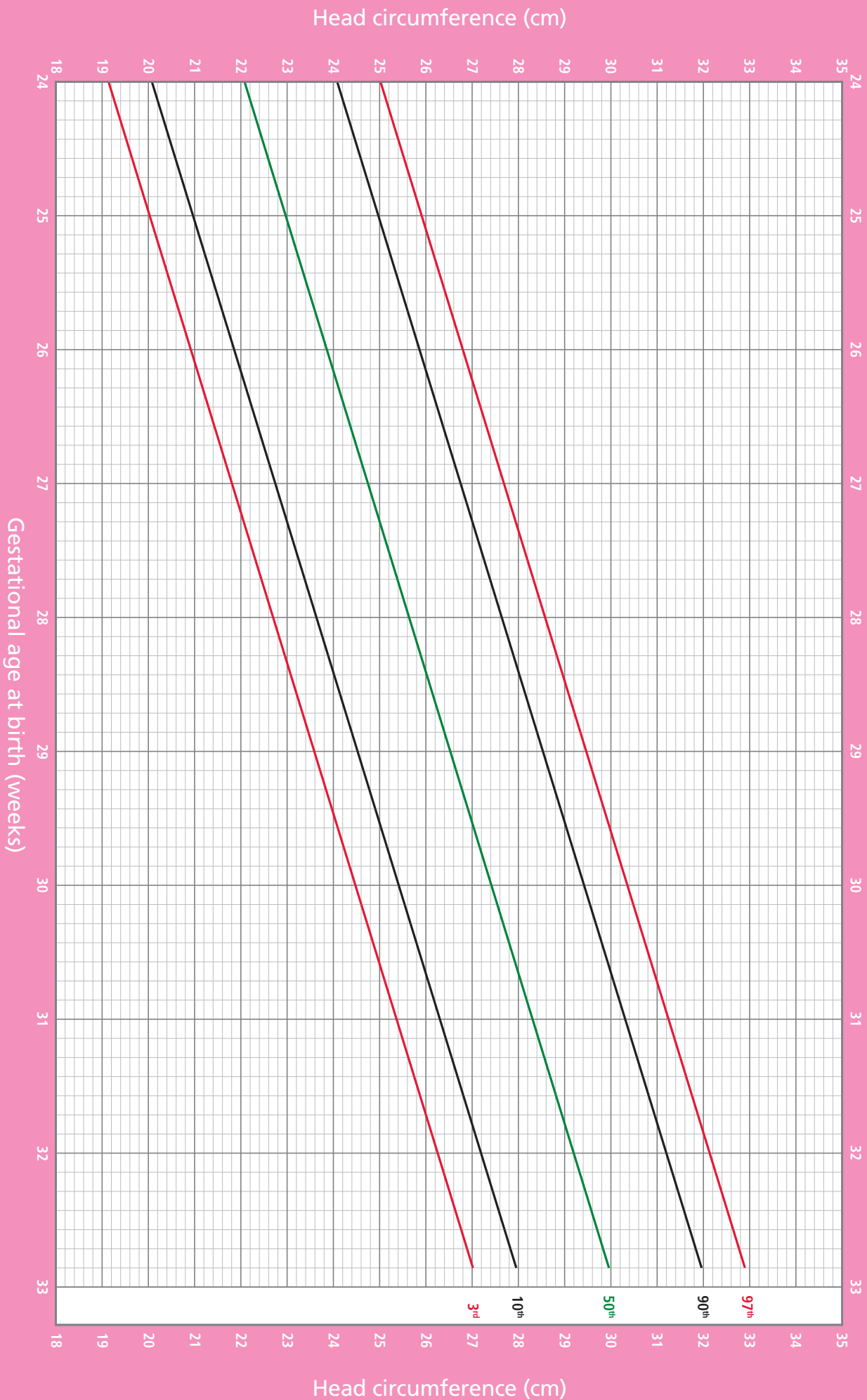
Head Circumference (cm) Girls

INTERGROWTH-21st

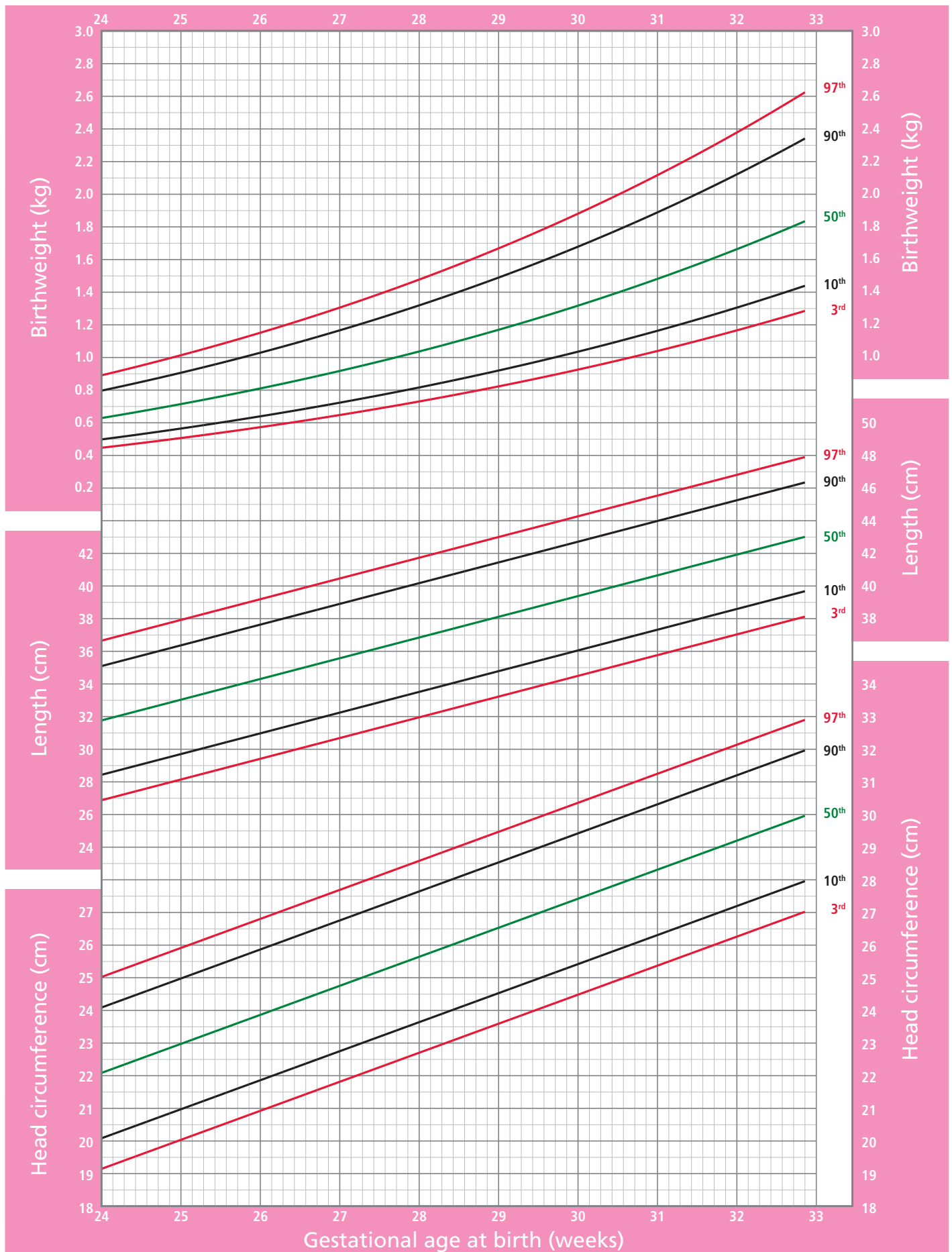


Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
28+5	23.3	23.7	24.3	26.3	28.3	28.8	29.2
28+6	23.5	23.8	24.4	26.4	28.4	29.0	29.3
29+0	23.6	24.0	24.5	26.5	28.5	29.1	29.5
29+1	23.7	24.1	24.7	26.7	28.7	29.2	29.6
29+2	23.8	24.2	24.8	26.8	28.8	29.3	29.7
29+3	24.0	24.3	24.9	26.9	28.9	29.5	29.8
29+4	24.1	24.5	25.0	27.0	29.0	29.6	30.0
29+5	24.2	24.6	25.2	27.2	29.2	29.7	30.1
29+6	24.4	24.7	25.3	27.3	29.3	29.9	30.2
30+0	24.5	24.8	25.4	27.4	29.4	30.0	30.3
30+1	24.6	25.0	25.5	27.5	29.5	30.1	30.5
30+2	24.7	25.1	25.7	27.7	29.7	30.2	30.6
30+3	24.9	25.2	25.8	27.8	29.8	30.4	30.7
30+4	25.0	25.4	25.9	27.9	29.9	30.5	30.9
30+5	25.1	25.5	26.1	28.0	30.0	30.6	31.0
30+6	25.2	25.6	26.2	28.2	30.2	30.7	31.1
31+0	25.4	25.7	26.3	28.3	30.3	30.9	31.2
31+1	25.5	25.9	26.4	28.4	30.4	31.0	31.4
31+2	25.6	26.0	26.6	28.6	30.6	31.1	31.5
31+3	25.7	26.1	26.7	28.7	30.7	31.2	31.6
31+4	25.9	26.2	26.8	28.8	30.8	31.4	31.7
31+5	26.0	26.4	26.9	28.9	30.9	31.5	31.9
31+6	26.1	26.5	27.1	29.1	31.1	31.6	32.0
32+0	26.3	26.6	27.2	29.2	31.2	31.8	32.1
32+1	26.4	26.8	27.3	29.3	31.3	31.9	32.3
32+2	26.5	26.9	27.4	29.4	31.4	32.0	32.4
32+3	26.6	27.0	27.6	29.6	31.6	32.1	32.5
32+4	26.8	27.1	27.7	29.7	31.7	32.3	32.6
32+5	26.9	27.3	27.8	29.8	31.8	32.4	32.8
32+6	27.0	27.4	28.0	30.0	32.0	32.5	32.9

International Newborn Size Reference Charts for Very Preterm Infants Head Circumference (Girls)



International Newborn Size Reference Charts for Very Preterm Infants (Girls)



International Newborn Size References for Very Preterm Infants



Weight-Length Ratio (kg) Girls

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
24+0	1.04	1.19	1.40	2.17	2.93	3.15	3.29
24+1	1.06	1.20	1.42	2.18	2.95	3.16	3.31
24+2	1.07	1.21	1.43	2.20	2.96	3.18	3.32
24+3	1.09	1.23	1.45	2.21	2.98	3.19	3.33
24+4	1.10	1.24	1.46	2.23	2.99	3.21	3.35
24+5	1.12	1.26	1.48	2.24	3.01	3.23	3.37
24+6	1.14	1.28	1.49	2.26	3.02	3.24	3.38
25+0	1.15	1.29	1.51	2.28	3.04	3.26	3.40
25+1	1.17	1.31	1.53	2.29	3.06	3.28	3.42
25+2	1.19	1.33	1.55	2.31	3.08	3.30	3.44
25+3	1.21	1.35	1.57	2.33	3.10	3.31	3.46
25+4	1.23	1.37	1.59	2.35	3.12	3.33	3.47
25+5	1.25	1.39	1.61	2.37	3.14	3.36	3.50
25+6	1.27	1.41	1.63	2.39	3.16	3.38	3.52
26+0	1.29	1.43	1.65	2.41	3.18	3.40	3.54
26+1	1.31	1.45	1.67	2.44	3.20	3.42	3.56
26+2	1.34	1.48	1.70	2.46	3.23	3.44	3.58
26+3	1.36	1.50	1.72	2.48	3.25	3.47	3.61
26+4	1.39	1.53	1.74	2.51	3.27	3.49	3.63
26+5	1.41	1.55	1.77	2.53	3.30	3.52	3.66
26+6	1.44	1.58	1.79	2.56	3.32	3.54	3.68
27+0	1.46	1.60	1.82	2.59	3.35	3.57	3.71
27+1	1.49	1.63	1.85	2.61	3.38	3.60	3.74
27+2	1.52	1.66	1.88	2.64	3.41	3.62	3.76
27+3	1.55	1.69	1.91	2.67	3.43	3.65	3.79
27+4	1.58	1.72	1.93	2.70	3.46	3.68	3.82
27+5	1.61	1.75	1.96	2.73	3.49	3.71	3.85
27+6	1.64	1.78	2.00	2.76	3.52	3.74	3.88
28+0	1.67	1.81	2.03	2.79	3.56	3.77	3.91
28+1	1.70	1.84	2.06	2.82	3.59	3.81	3.95
28+2	1.73	1.87	2.09	2.86	3.62	3.84	3.98
28+3	1.77	1.91	2.13	2.89	3.66	3.87	4.01
28+4	1.80	1.94	2.16	2.93	3.69	3.91	4.05

International Newborn Size References for Very Preterm Infants



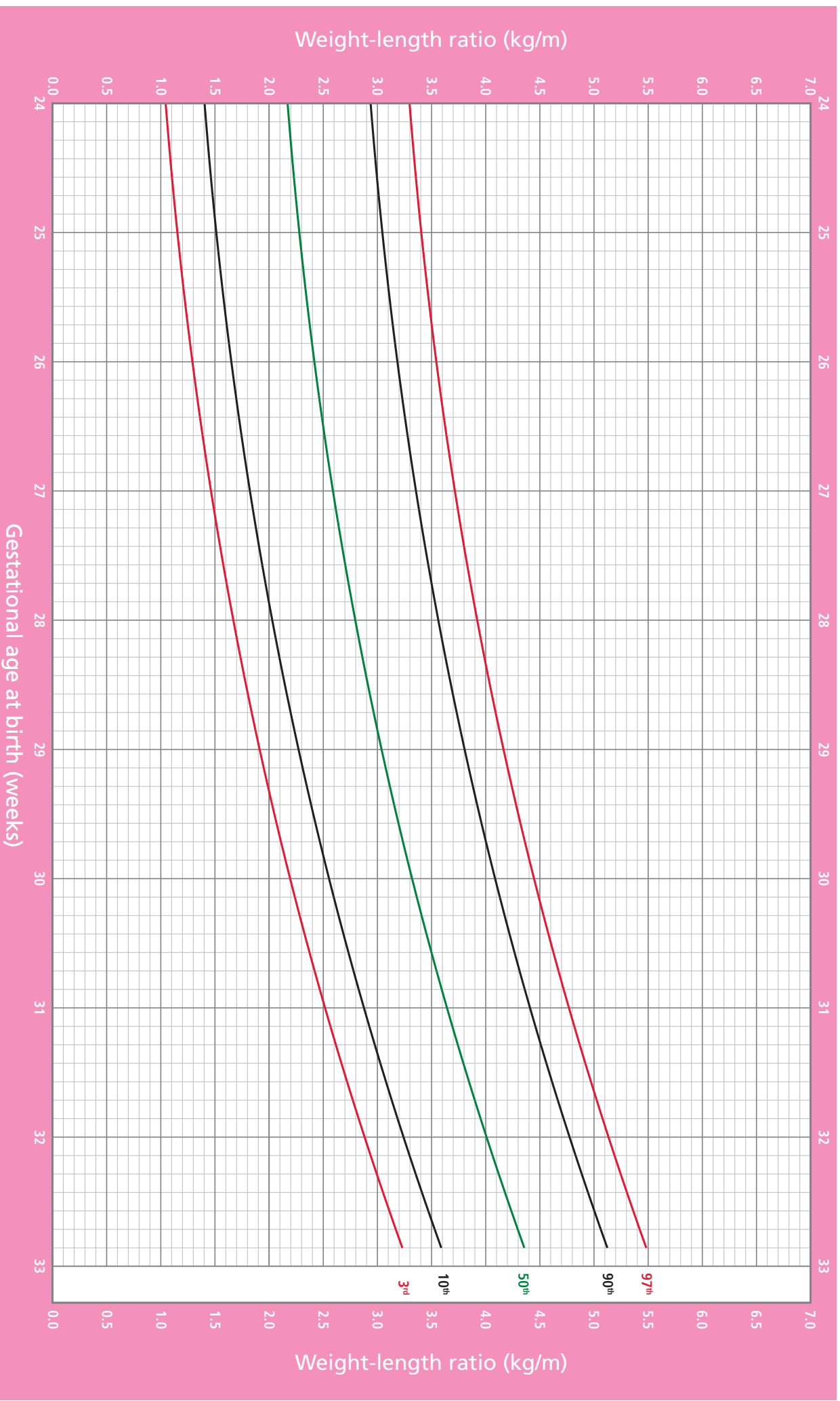
Weight-Length Ratio (kg) Girls

INTERGROWTH-21st



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
28+5	1.84	1.98	2.20	2.96	3.73	3.94	4.08
28+6	1.87	2.01	2.23	3.00	3.76	3.98	4.12
29+0	1.91	2.05	2.27	3.03	3.80	4.02	4.16
29+1	1.95	2.09	2.31	3.07	3.84	4.05	4.19
29+2	1.99	2.13	2.35	3.11	3.87	4.09	4.23
29+3	2.03	2.17	2.38	3.15	3.91	4.13	4.27
29+4	2.07	2.21	2.42	3.19	3.95	4.17	4.31
29+5	2.11	2.25	2.47	3.23	4.00	4.21	4.35
29+6	2.15	2.29	2.51	3.27	4.04	4.26	4.40
30+0	2.19	2.33	2.55	3.31	4.08	4.30	4.44
30+1	2.23	2.38	2.59	3.36	4.12	4.34	4.48
30+2	2.28	2.42	2.64	3.40	4.17	4.39	4.53
30+3	2.32	2.46	2.68	3.45	4.21	4.43	4.57
30+4	2.37	2.51	2.73	3.49	4.26	4.48	4.62
30+5	2.42	2.56	2.78	3.54	4.31	4.52	4.66
30+6	2.46	2.61	2.82	3.59	4.35	4.57	4.71
31+0	2.51	2.65	2.87	3.64	4.40	4.62	4.76
31+1	2.56	2.70	2.92	3.69	4.45	4.67	4.81
31+2	2.61	2.75	2.97	3.74	4.50	4.72	4.86
31+3	2.66	2.80	3.02	3.79	4.55	4.77	4.91
31+4	2.72	2.86	3.07	3.84	4.60	4.82	4.96
31+5	2.77	2.91	3.13	3.89	4.66	4.88	5.02
31+6	2.82	2.96	3.18	3.95	4.71	4.93	5.07
32+0	2.88	3.02	3.24	4.00	4.77	4.98	5.12
32+1	2.93	3.07	3.29	4.06	4.82	5.04	5.18
32+2	2.99	3.13	3.35	4.11	4.88	5.10	5.24
32+3	3.05	3.19	3.41	4.17	4.94	5.15	5.29
32+4	3.11	3.25	3.46	4.23	4.99	5.21	5.35
32+5	3.17	3.31	3.52	4.29	5.05	5.27	5.41
32+6	3.23	3.37	3.58	4.35	5.11	5.33	5.47

International Newborn Size Reference Charts for Very Preterm Infants Weight-Length Ratio (Girls)



International Newborn Size References for Very Preterm Infants



Birthweight (kg) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
24+0	0.36	0.43	0.53	0.64	0.77	0.94	1.14
24+1	0.36	0.44	0.54	0.65	0.79	0.96	1.16
24+2	0.37	0.45	0.55	0.66	0.80	0.98	1.18
24+3	0.38	0.46	0.56	0.68	0.82	0.99	1.21
24+4	0.39	0.47	0.57	0.69	0.84	1.01	1.23
24+5	0.39	0.48	0.58	0.70	0.85	1.03	1.25
24+6	0.40	0.49	0.59	0.72	0.87	1.05	1.28
25+0	0.41	0.50	0.60	0.73	0.88	1.07	1.30
25+1	0.42	0.50	0.61	0.74	0.90	1.09	1.33
25+2	0.42	0.51	0.62	0.76	0.92	1.11	1.35
25+3	0.43	0.52	0.64	0.77	0.94	1.14	1.38
25+4	0.44	0.53	0.65	0.79	0.95	1.16	1.40
25+5	0.45	0.54	0.66	0.80	0.97	1.18	1.43
25+6	0.46	0.55	0.67	0.82	0.99	1.20	1.46
26+0	0.47	0.56	0.69	0.83	1.01	1.22	1.48
26+1	0.47	0.58	0.70	0.85	1.03	1.25	1.51
26+2	0.48	0.59	0.71	0.86	1.05	1.27	1.54
26+3	0.49	0.60	0.72	0.88	1.07	1.29	1.57
26+4	0.50	0.61	0.74	0.89	1.09	1.32	1.60
26+5	0.51	0.62	0.75	0.91	1.11	1.34	1.63
26+6	0.52	0.63	0.77	0.93	1.13	1.37	1.66
27+0	0.53	0.64	0.78	0.95	1.15	1.39	1.69
27+1	0.54	0.65	0.79	0.96	1.17	1.42	1.72
27+2	0.55	0.67	0.81	0.98	1.19	1.44	1.75
27+3	0.56	0.68	0.82	1.00	1.21	1.47	1.78
27+4	0.57	0.69	0.84	1.02	1.23	1.50	1.81
27+5	0.58	0.70	0.85	1.03	1.26	1.52	1.85
27+6	0.59	0.72	0.87	1.05	1.28	1.55	1.88
28+0	0.60	0.73	0.88	1.07	1.30	1.58	1.92
28+1	0.61	0.74	0.90	1.09	1.32	1.61	1.95
28+2	0.62	0.76	0.92	1.11	1.35	1.64	1.98
28+3	0.63	0.77	0.93	1.13	1.37	1.67	2.02
28+4	0.65	0.78	0.95	1.15	1.40	1.70	2.06

International Newborn Size References for Very Preterm Infants



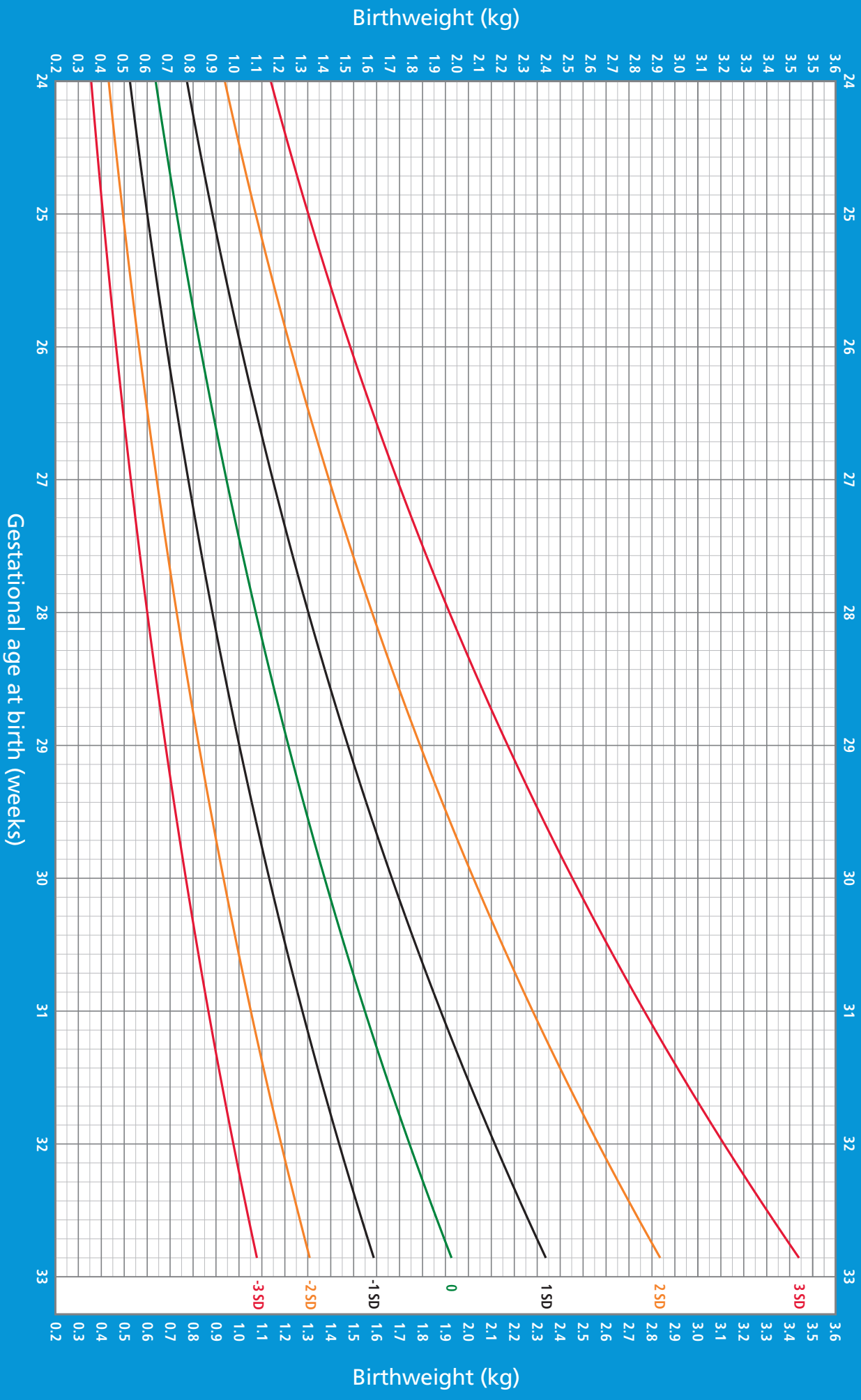
Birthweight (kg) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
28+5	0.66	0.80	0.97	1.17	1.42	1.73	2.09
28+6	0.67	0.81	0.98	1.19	1.45	1.76	2.13
29+0	0.68	0.83	1.00	1.21	1.47	1.79	2.17
29+1	0.69	0.84	1.02	1.24	1.50	1.82	2.21
29+2	0.70	0.85	1.04	1.26	1.53	1.85	2.25
29+3	0.72	0.87	1.06	1.28	1.55	1.88	2.29
29+4	0.73	0.89	1.07	1.30	1.58	1.92	2.33
29+5	0.74	0.90	1.09	1.33	1.61	1.95	2.37
29+6	0.76	0.92	1.11	1.35	1.64	1.98	2.41
30+0	0.77	0.93	1.13	1.37	1.66	2.02	2.45
30+1	0.78	0.95	1.15	1.40	1.69	2.05	2.49
30+2	0.80	0.97	1.17	1.42	1.72	2.09	2.54
30+3	0.81	0.98	1.19	1.45	1.75	2.13	2.58
30+4	0.82	1.00	1.21	1.47	1.78	2.16	2.62
30+5	0.84	1.02	1.23	1.50	1.81	2.20	2.67
30+6	0.85	1.03	1.25	1.52	1.85	2.24	2.72
31+0	0.87	1.05	1.28	1.55	1.88	2.28	2.76
31+1	0.88	1.07	1.30	1.57	1.91	2.32	2.81
31+2	0.90	1.09	1.32	1.60	1.94	2.36	2.86
31+3	0.91	1.11	1.34	1.63	1.97	2.40	2.91
31+4	0.93	1.13	1.36	1.66	2.01	2.44	2.96
31+5	0.94	1.14	1.39	1.68	2.04	2.48	3.01
31+6	0.96	1.16	1.41	1.71	2.08	2.52	3.06
32+0	0.98	1.18	1.44	1.74	2.11	2.56	3.11
32+1	0.99	1.20	1.46	1.77	2.15	2.61	3.16
32+2	1.01	1.22	1.48	1.80	2.18	2.65	3.21
32+3	1.03	1.24	1.51	1.83	2.22	2.69	3.27
32+4	1.04	1.26	1.53	1.86	2.26	2.74	3.32
32+5	1.06	1.29	1.56	1.89	2.30	2.79	3.38
32+6	1.08	1.31	1.59	1.92	2.33	2.83	3.43

International Newborn Size Reference Charts for Very Preterm Infants Weight (Boys)



International Newborn Size References for Very Preterm Infants



Head Circumference (cm) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
24+0	17.7	19.2	20.8	22.3	23.9	25.5	27.0
24+1	17.8	19.3	20.9	22.5	24.0	25.6	27.1
24+2	17.9	19.5	21.0	22.6	24.2	25.7	27.3
24+3	18.0	19.6	21.2	22.7	24.3	25.8	27.4
24+4	18.2	19.7	21.3	22.8	24.4	26.0	27.5
24+5	18.3	19.9	21.4	23.0	24.5	26.1	27.7
24+6	18.4	20.0	21.5	23.1	24.7	26.2	27.8
25+0	18.5	20.1	21.7	23.2	24.8	26.3	27.9
25+1	18.7	20.2	21.8	23.4	24.9	26.5	28.0
25+2	18.8	20.4	21.9	23.5	25.0	26.6	28.2
25+3	18.9	20.5	22.0	23.6	25.2	26.7	28.3
25+4	19.1	20.6	22.2	23.7	25.3	26.9	28.4
25+5	19.2	20.7	22.3	23.9	25.4	27.0	28.5
25+6	19.3	20.9	22.4	24.0	25.5	27.1	28.7
26+0	19.4	21.0	22.6	24.1	25.7	27.2	28.8
26+1	19.6	21.1	22.7	24.2	25.8	27.4	28.9
26+2	19.7	21.3	22.8	24.4	25.9	27.5	29.1
26+3	19.8	21.4	22.9	24.5	26.1	27.6	29.2
26+4	19.9	21.5	23.1	24.6	26.2	27.7	29.3
26+5	20.1	21.6	23.2	24.8	26.3	27.9	29.4
26+6	20.2	21.8	23.3	24.9	26.4	28.0	29.6
27+0	20.3	21.9	23.4	25.0	26.6	28.1	29.7
27+1	20.5	22.0	23.6	25.1	26.7	28.3	29.8
27+2	20.6	22.1	23.7	25.3	26.8	28.4	29.9
27+3	20.7	22.3	23.8	25.4	26.9	28.5	30.1
27+4	20.8	22.4	24.0	25.5	27.1	28.6	30.2
27+5	21.0	22.5	24.1	25.6	27.2	28.8	30.3
27+6	21.1	22.6	24.2	25.8	27.3	28.9	30.4
28+0	21.2	22.8	24.3	25.9	27.5	29.0	30.6
28+1	21.3	22.9	24.5	26.0	27.6	29.1	30.7
28+2	21.5	23.0	24.6	26.1	27.7	29.3	30.8
28+3	21.6	23.2	24.7	26.3	27.8	29.4	31.0
28+4	21.7	23.3	24.8	26.4	28.0	29.5	31.1

International Newborn Size References for Very Preterm Infants



Head Circumference (cm) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
28+5	21.8	23.4	25.0	26.5	28.1	29.6	31.2
28+6	22.0	23.5	25.1	26.7	28.2	29.8	31.3
29+0	22.1	23.7	25.2	26.8	28.3	29.9	31.5
29+1	22.2	23.8	25.3	26.9	28.5	30.0	31.6
29+2	22.4	23.9	25.5	27.0	28.6	30.2	31.7
29+3	22.5	24.0	25.6	27.2	28.7	30.3	31.8
29+4	22.6	24.2	25.7	27.3	28.8	30.4	32.0
29+5	22.7	24.3	25.9	27.4	29.0	30.5	32.1
29+6	22.9	24.4	26.0	27.5	29.1	30.7	32.2
30+0	23.0	24.5	26.1	27.7	29.2	30.8	32.3
30+1	23.1	24.7	26.2	27.8	29.4	30.9	32.5
30+2	23.2	24.8	26.4	27.9	29.5	31.0	32.6
30+3	23.4	24.9	26.5	28.0	29.6	31.2	32.7
30+4	23.5	25.1	26.6	28.2	29.7	31.3	32.9
30+5	23.6	25.2	26.7	28.3	29.9	31.4	33.0
30+6	23.7	25.3	26.9	28.4	30.0	31.5	33.1
31+0	23.9	25.4	27.0	28.6	30.1	31.7	33.2
31+1	24.0	25.6	27.1	28.7	30.2	31.8	33.4
31+2	24.1	25.7	27.2	28.8	30.4	31.9	33.5
31+3	24.3	25.8	27.4	28.9	30.5	32.1	33.6
31+4	24.4	25.9	27.5	29.1	30.6	32.2	33.7
31+5	24.5	26.1	27.6	29.2	30.7	32.3	33.9
31+6	24.6	26.2	27.8	29.3	30.9	32.4	34.0
32+0	24.8	26.3	27.9	29.4	31.0	32.6	34.1
32+1	24.9	26.4	28.0	29.6	31.1	32.7	34.2
32+2	25.0	26.6	28.1	29.7	31.3	32.8	34.4
32+3	25.1	26.7	28.3	29.8	31.4	32.9	34.5
32+4	25.3	26.8	28.4	29.9	31.5	33.1	34.6
32+5	25.4	27.0	28.5	30.1	31.6	33.2	34.8
32+6	25.5	27.1	28.6	30.2	31.8	33.3	34.9

International Newborn Size References for Very Preterm Infants



Length (cm) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
24+0	24.4	27.0	29.6	32.2	34.8	37.4	40.0
24+1	24.6	27.2	29.8	32.4	35.0	37.6	40.2
24+2	24.8	27.4	30.0	32.6	35.2	37.8	40.4
24+3	25.0	27.6	30.2	32.8	35.4	38.0	40.6
24+4	25.1	27.7	30.3	32.9	35.5	38.1	40.7
24+5	25.3	27.9	30.5	33.1	35.7	38.3	40.9
24+6	25.5	28.1	30.7	33.3	35.9	38.5	41.1
25+0	25.7	28.3	30.9	33.5	36.1	38.7	41.3
25+1	25.9	28.5	31.1	33.7	36.3	38.9	41.5
25+2	26.0	28.6	31.2	33.8	36.4	39.0	41.6
25+3	26.2	28.8	31.4	34.0	36.6	39.2	41.8
25+4	26.4	29.0	31.6	34.2	36.8	39.4	42.0
25+5	26.6	29.2	31.8	34.4	37.0	39.6	42.2
25+6	26.8	29.4	32.0	34.6	37.2	39.8	42.4
26+0	27.0	29.6	32.2	34.8	37.4	40.0	42.6
26+1	27.1	29.7	32.3	34.9	37.5	40.1	42.7
26+2	27.3	29.9	32.5	35.1	37.7	40.3	42.9
26+3	27.5	30.1	32.7	35.3	37.9	40.5	43.1
26+4	27.7	30.3	32.9	35.5	38.1	40.7	43.3
26+5	27.9	30.5	33.1	35.7	38.3	40.9	43.5
26+6	28.0	30.6	33.2	35.8	38.4	41.0	43.6
27+0	28.2	30.8	33.4	36.0	38.6	41.2	43.8
27+1	28.4	31.0	33.6	36.2	38.8	41.4	44.0
27+2	28.6	31.2	33.8	36.4	39.0	41.6	44.2
27+3	28.8	31.4	34.0	36.6	39.2	41.8	44.4
27+4	29.0	31.6	34.2	36.8	39.3	41.9	44.5
27+5	29.1	31.7	34.3	36.9	39.5	42.1	44.7
27+6	29.3	31.9	34.5	37.1	39.7	42.3	44.9
28+0	29.5	32.1	34.7	37.3	39.9	42.5	45.1
28+1	29.7	32.3	34.9	37.5	40.1	42.7	45.3
28+2	29.9	32.5	35.1	37.7	40.3	42.9	45.5
28+3	30.0	32.6	35.2	37.8	40.4	43.0	45.6
28+4	30.2	32.8	35.4	38.0	40.6	43.2	45.8

International Newborn Size References for Very Preterm Infants



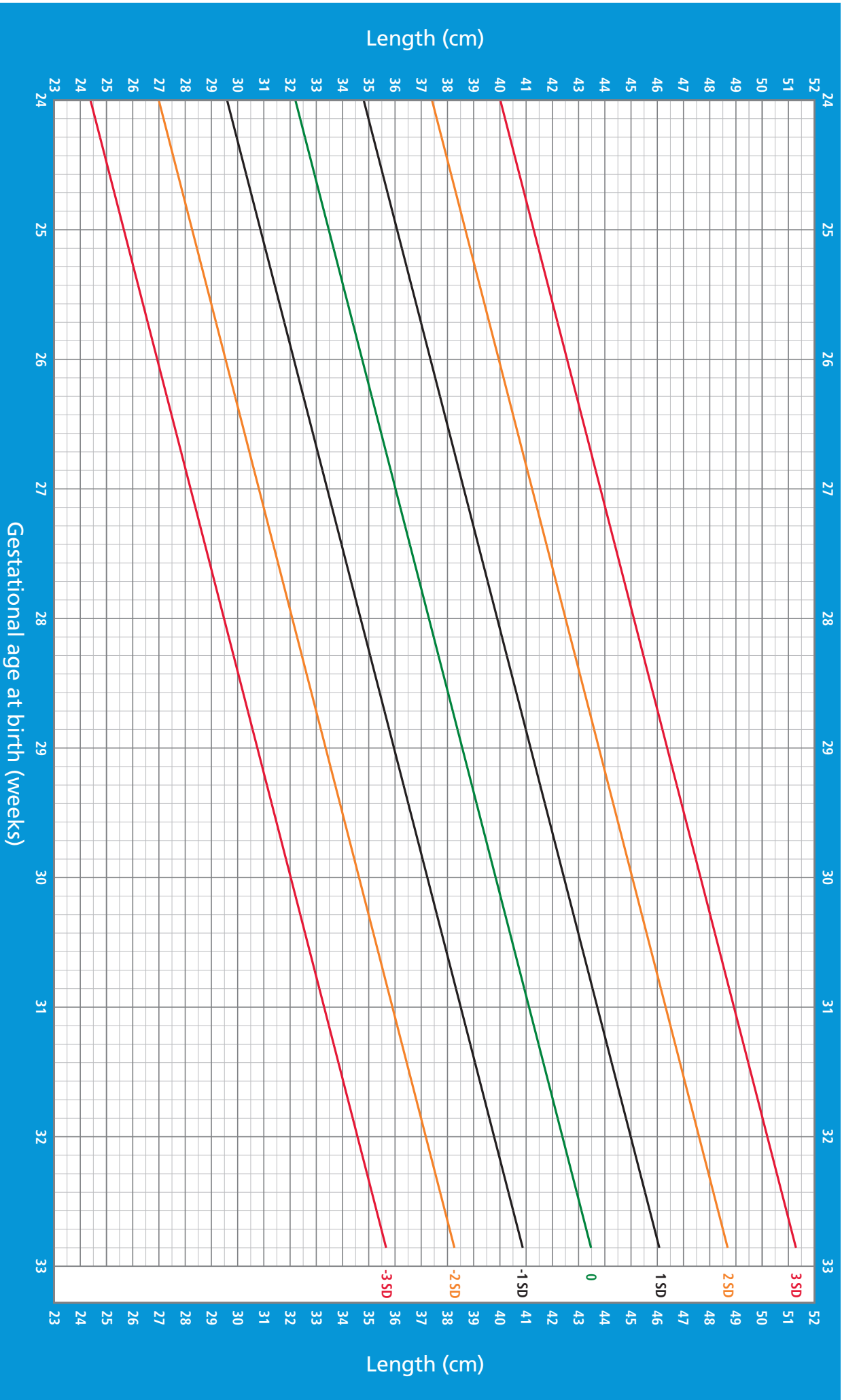
Length (cm) Boys

INTERGROWTH-21st

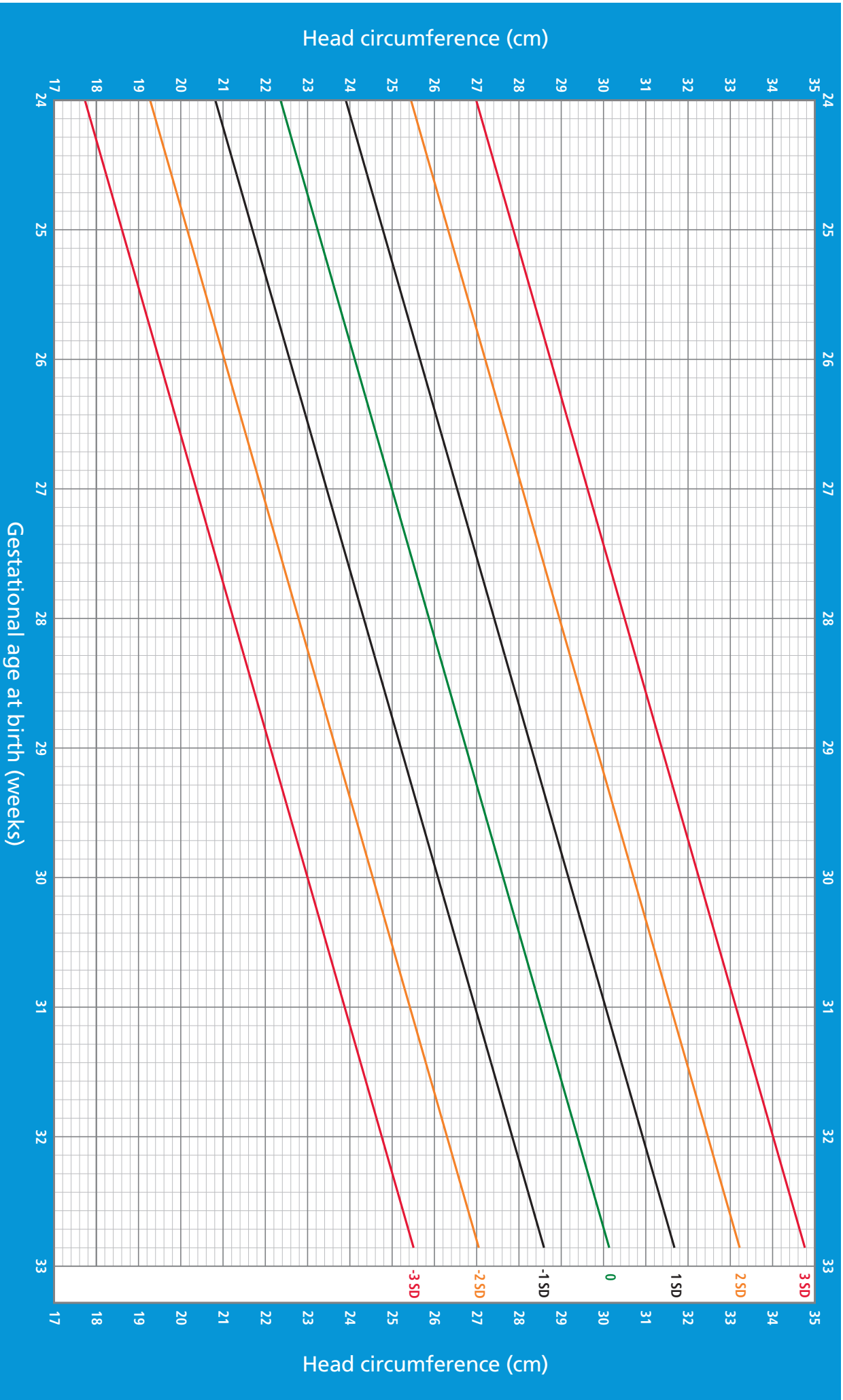


Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
28+5	30.4	33.0	35.6	38.2	40.8	43.4	46.0
28+6	30.6	33.2	35.8	38.4	41.0	43.6	46.2
29+0	30.8	33.4	36.0	38.6	41.2	43.8	46.4
29+1	30.9	33.5	36.1	38.7	41.3	43.9	46.5
29+2	31.1	33.7	36.3	38.9	41.5	44.1	46.7
29+3	31.3	33.9	36.5	39.1	41.7	44.3	46.9
29+4	31.5	34.1	36.7	39.3	41.9	44.5	47.1
29+5	31.7	34.3	36.9	39.5	42.1	44.7	47.3
29+6	31.9	34.5	37.1	39.7	42.3	44.9	47.5
30+0	32.0	34.6	37.2	39.8	42.4	45.0	47.6
30+1	32.2	34.8	37.4	40.0	42.6	45.2	47.8
30+2	32.4	35.0	37.6	40.2	42.8	45.4	48.0
30+3	32.6	35.2	37.8	40.4	43.0	45.6	48.2
30+4	32.8	35.4	38.0	40.6	43.2	45.8	48.4
30+5	32.9	35.5	38.1	40.7	43.3	45.9	48.5
30+6	33.1	35.7	38.3	40.9	43.5	46.1	48.7
31+0	33.3	35.9	38.5	41.1	43.7	46.3	48.9
31+1	33.5	36.1	38.7	41.3	43.9	46.5	49.1
31+2	33.7	36.3	38.9	41.5	44.1	46.7	49.3
31+3	33.9	36.4	39.0	41.6	44.2	46.8	49.4
31+4	34.0	36.6	39.2	41.8	44.4	47.0	49.6
31+5	34.2	36.8	39.4	42.0	44.6	47.2	49.8
31+6	34.4	37.0	39.6	42.2	44.8	47.4	50.0
32+0	34.6	37.2	39.8	42.4	45.0	47.6	50.2
32+1	34.8	37.4	40.0	42.6	45.2	47.8	50.4
32+2	34.9	37.5	40.1	42.7	45.3	47.9	50.5
32+3	35.1	37.7	40.3	42.9	45.5	48.1	50.7
32+4	35.3	37.9	40.5	43.1	45.7	48.3	50.9
32+5	35.5	38.1	40.7	43.3	45.9	48.5	51.1
32+6	35.7	38.3	40.9	43.5	46.1	48.7	51.3

International Newborn Size Reference Charts for Very Preterm Infants Length (Boys)

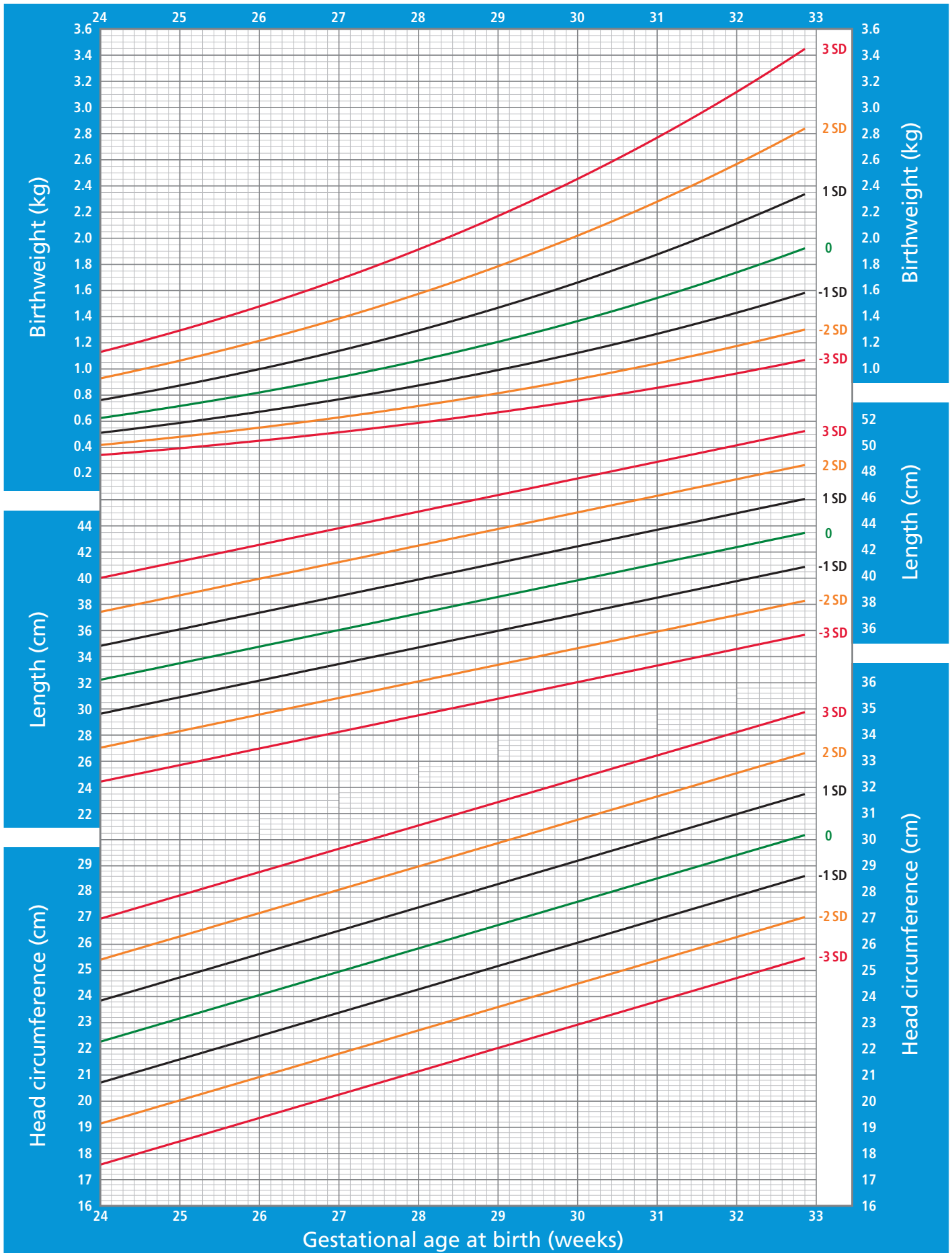


International Newborn Size Reference Charts for Very Preterm Infants Head Circumference (Boys)



International Newborn Size Reference Charts for Very Preterm Infants (Boys)

INTERGROWTH-21st



International Newborn Size References for Very Preterm Infants



Weight-Length Ratio (kg/m) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
24+0	0.51	1.11	1.71	2.31	2.90	3.50	4.10
24+1	0.53	1.13	1.72	2.32	2.92	3.52	4.11
24+2	0.54	1.14	1.74	2.33	2.93	3.53	4.13
24+3	0.56	1.15	1.75	2.35	2.95	3.54	4.14
24+4	0.57	1.17	1.77	2.36	2.96	3.56	4.16
24+5	0.59	1.19	1.78	2.38	2.98	3.58	4.17
24+6	0.60	1.20	1.80	2.40	2.99	3.59	4.19
25+0	0.62	1.22	1.82	2.41	3.01	3.61	4.21
25+1	0.64	1.24	1.84	2.43	3.03	3.63	4.23
25+2	0.66	1.26	1.85	2.45	3.05	3.65	4.24
25+3	0.68	1.28	1.87	2.47	3.07	3.67	4.26
25+4	0.70	1.29	1.89	2.49	3.09	3.68	4.28
25+5	0.72	1.32	1.91	2.51	3.11	3.71	4.30
25+6	0.74	1.34	1.93	2.53	3.13	3.73	4.32
26+0	0.76	1.36	1.96	2.55	3.15	3.75	4.35
26+1	0.78	1.38	1.98	2.58	3.17	3.77	4.37
26+2	0.81	1.40	2.00	2.60	3.20	3.79	4.39
26+3	0.83	1.43	2.02	2.62	3.22	3.82	4.41
26+4	0.85	1.45	2.05	2.65	3.24	3.84	4.44
26+5	0.88	1.48	2.07	2.67	3.27	3.87	4.46
26+6	0.91	1.50	2.10	2.70	3.30	3.89	4.49
27+0	0.93	1.53	2.13	2.72	3.32	3.92	4.52
27+1	0.96	1.56	2.15	2.75	3.35	3.95	4.54
27+2	0.99	1.58	2.18	2.78	3.38	3.97	4.57
27+3	1.02	1.61	2.21	2.81	3.41	4.00	4.60
27+4	1.04	1.64	2.24	2.84	3.43	4.03	4.63
27+5	1.08	1.67	2.27	2.87	3.47	4.06	4.66
27+6	1.11	1.70	2.30	2.90	3.50	4.09	4.69
28+0	1.14	1.73	2.33	2.93	3.53	4.12	4.72
28+1	1.17	1.77	2.36	2.96	3.56	4.16	4.75
28+2	1.20	1.80	2.40	3.00	3.59	4.19	4.79
28+3	1.24	1.83	2.43	3.03	3.63	4.22	4.82
28+4	1.27	1.87	2.47	3.06	3.66	4.26	4.86

International Newborn Size References for Very Preterm Infants



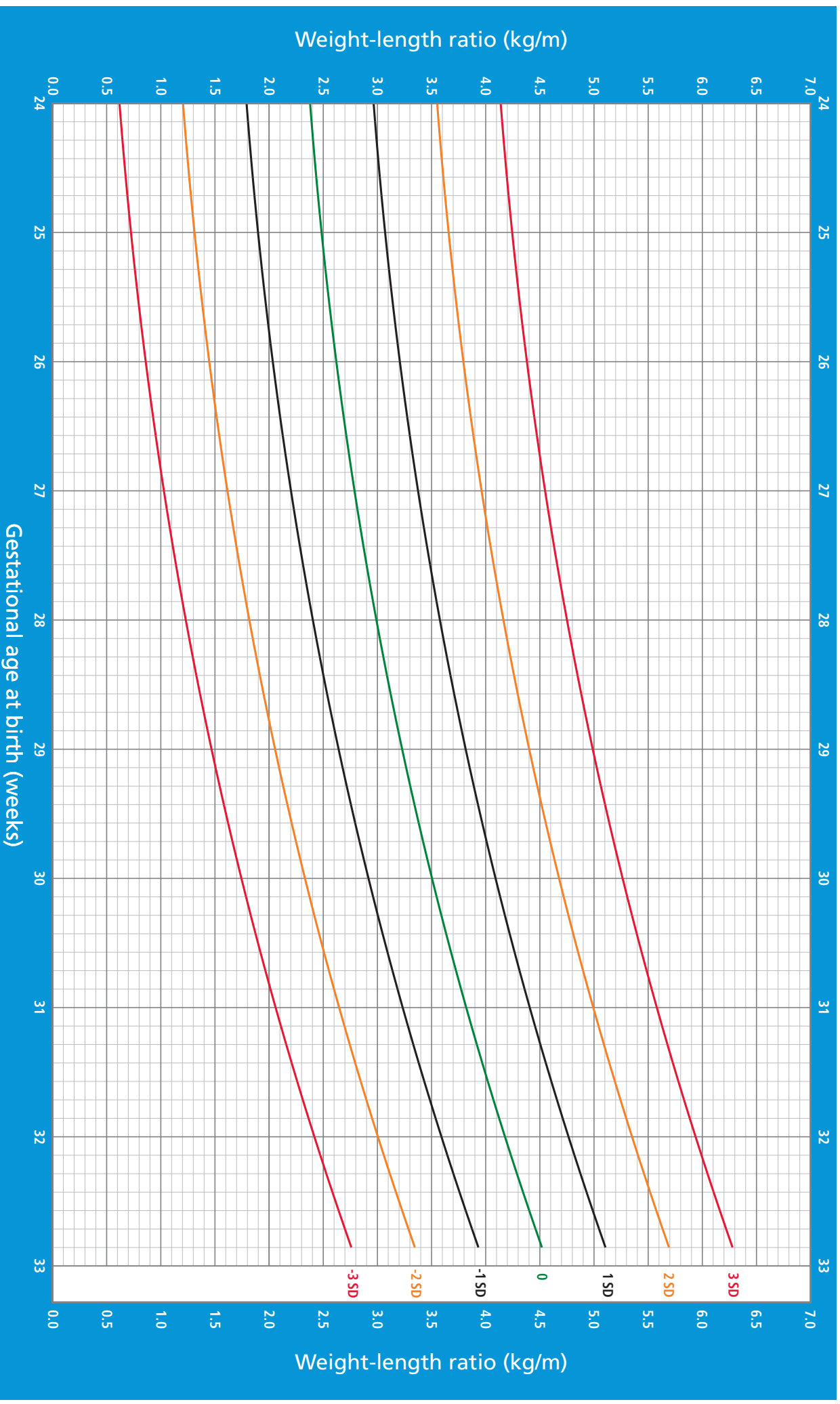
Weight-Length Ratio (kg/m) Boys

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
28+5	1.31	1.90	2.50	3.10	3.70	4.29	4.89
28+6	1.34	1.94	2.54	3.14	3.73	4.33	4.93
29+0	1.38	1.98	2.57	3.17	3.77	4.37	4.96
29+1	1.42	2.01	2.61	3.21	3.81	4.40	5.00
29+2	1.46	2.05	2.65	3.25	3.85	4.44	5.04
29+3	1.50	2.09	2.69	3.29	3.89	4.48	5.08
29+4	1.54	2.13	2.73	3.33	3.93	4.52	5.12
29+5	1.58	2.17	2.77	3.37	3.97	4.56	5.16
29+6	1.62	2.22	2.81	3.41	4.01	4.61	5.20
30+0	1.66	2.26	2.86	3.45	4.05	4.65	5.25
30+1	1.70	2.30	2.90	3.50	4.09	4.69	5.29
30+2	1.75	2.35	2.94	3.54	4.14	4.74	5.33
30+3	1.79	2.39	2.99	3.59	4.18	4.78	5.38
30+4	1.84	2.44	3.03	3.63	4.23	4.83	5.42
30+5	1.89	2.48	3.08	3.68	4.28	4.87	5.47
30+6	1.93	2.53	3.13	3.73	4.32	4.92	5.52
31+0	1.98	2.58	3.18	3.77	4.37	4.97	5.57
31+1	2.03	2.63	3.23	3.82	4.42	5.02	5.62
31+2	2.08	2.68	3.28	3.87	4.47	5.07	5.67
31+3	2.13	2.73	3.33	3.93	4.52	5.12	5.72
31+4	2.19	2.78	3.38	3.98	4.58	5.17	5.77
31+5	2.24	2.84	3.43	4.03	4.63	5.23	5.82
31+6	2.29	2.89	3.49	4.08	4.68	5.28	5.88
32+0	2.35	2.94	3.54	4.14	4.74	5.33	5.93
32+1	2.40	3.00	3.60	4.19	4.79	5.39	5.99
32+2	2.46	3.06	3.65	4.25	4.85	5.45	6.04
32+3	2.52	3.11	3.71	4.31	4.91	5.50	6.10
32+4	2.57	3.17	3.77	4.37	4.96	5.56	6.16
32+5	2.63	3.23	3.83	4.43	5.02	5.62	6.22
32+6	2.69	3.29	3.89	4.49	5.08	5.68	6.28

International Newborn Size Reference Charts for Very Preterm Infants Weight-Length Ratio (Boys)



International Newborn Size References for Very Preterm Infants



Birthweight (kg)
Girls

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
24+0	0.34	0.41	0.50	0.60	0.73	0.89	1.07
24+1	0.34	0.42	0.51	0.61	0.74	0.90	1.10
24+2	0.35	0.43	0.52	0.63	0.76	0.92	1.12
24+3	0.36	0.43	0.53	0.64	0.77	0.94	1.14
24+4	0.36	0.44	0.54	0.65	0.79	0.96	1.16
24+5	0.37	0.45	0.55	0.66	0.80	0.98	1.18
24+6	0.38	0.46	0.56	0.68	0.82	0.99	1.21
25+0	0.39	0.47	0.57	0.69	0.84	1.01	1.23
25+1	0.39	0.48	0.58	0.70	0.85	1.03	1.25
25+2	0.40	0.49	0.59	0.71	0.87	1.05	1.28
25+3	0.41	0.49	0.60	0.73	0.88	1.07	1.30
25+4	0.42	0.50	0.61	0.74	0.90	1.09	1.33
25+5	0.42	0.51	0.62	0.76	0.92	1.11	1.35
25+6	0.43	0.52	0.64	0.77	0.93	1.13	1.38
26+0	0.44	0.53	0.65	0.78	0.95	1.16	1.40
26+1	0.45	0.54	0.66	0.80	0.97	1.18	1.43
26+2	0.46	0.55	0.67	0.81	0.99	1.20	1.45
26+3	0.46	0.56	0.68	0.83	1.01	1.22	1.48
26+4	0.47	0.57	0.70	0.85	1.03	1.24	1.51
26+5	0.48	0.58	0.71	0.86	1.04	1.27	1.54
26+6	0.49	0.60	0.72	0.88	1.06	1.29	1.57
27+0	0.50	0.61	0.74	0.89	1.08	1.31	1.59
27+1	0.51	0.62	0.75	0.91	1.10	1.34	1.62
27+2	0.52	0.63	0.76	0.93	1.12	1.36	1.65
27+3	0.53	0.64	0.78	0.94	1.14	1.39	1.68
27+4	0.54	0.65	0.79	0.96	1.16	1.41	1.71
27+5	0.55	0.66	0.81	0.98	1.19	1.44	1.74
27+6	0.56	0.68	0.82	1.00	1.21	1.46	1.78
28+0	0.57	0.69	0.84	1.01	1.23	1.49	1.81
28+1	0.58	0.70	0.85	1.03	1.25	1.52	1.84
28+2	0.59	0.71	0.87	1.05	1.27	1.55	1.87
28+3	0.60	0.73	0.88	1.07	1.30	1.57	1.91
28+4	0.61	0.74	0.90	1.09	1.32	1.60	1.94

International Newborn Size References for Very Preterm Infants



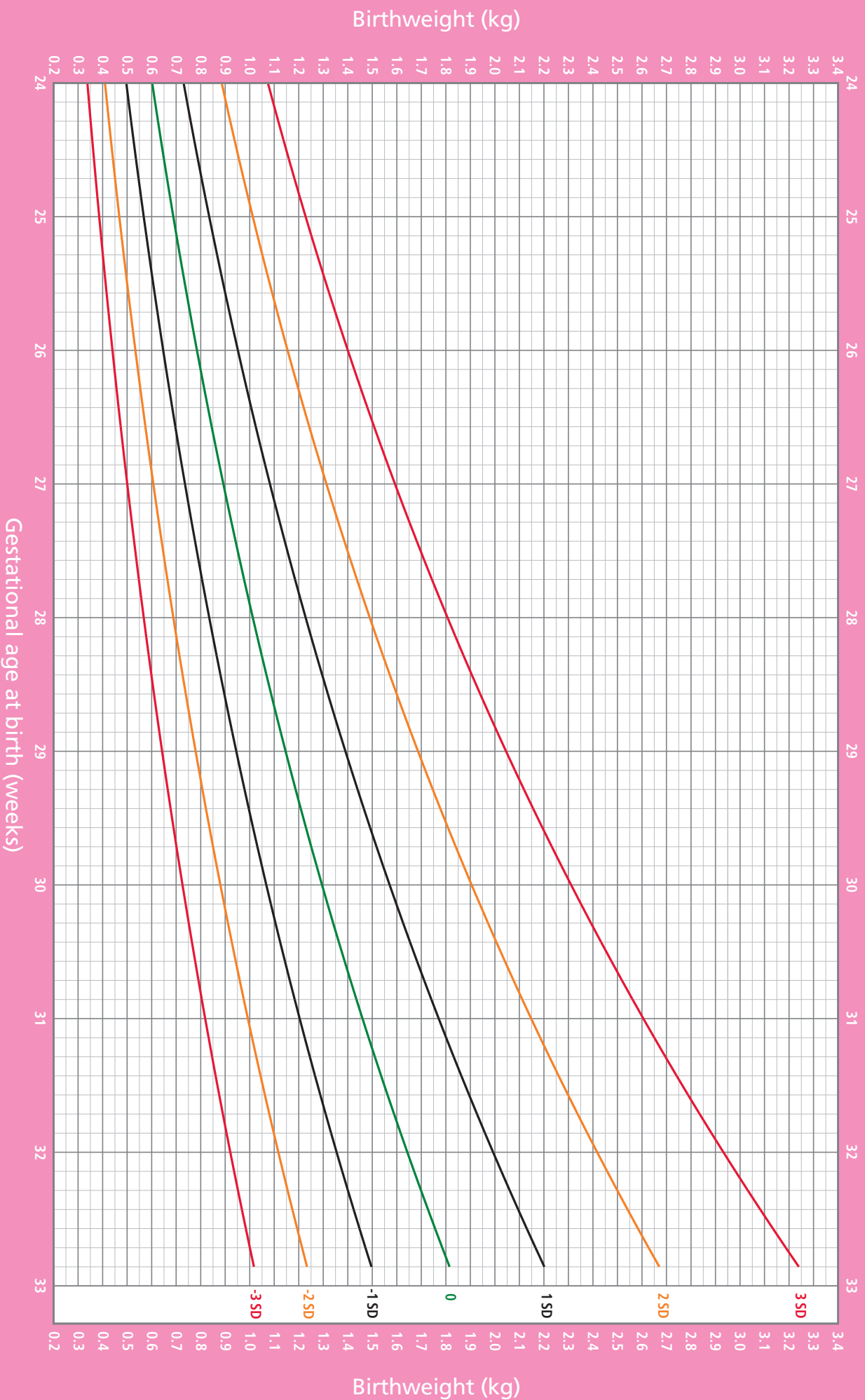
Birthweight (kg)
Girls

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
28+5	0.62	0.75	0.91	1.11	1.34	1.63	1.98
28+6	0.63	0.77	0.93	1.13	1.37	1.66	2.01
29+0	0.64	0.78	0.95	1.15	1.39	1.69	2.05
29+1	0.65	0.79	0.96	1.17	1.42	1.72	2.08
29+2	0.67	0.81	0.98	1.19	1.44	1.75	2.12
29+3	0.68	0.82	1.00	1.21	1.47	1.78	2.16
29+4	0.69	0.84	1.01	1.23	1.49	1.81	2.20
29+5	0.70	0.85	1.03	1.25	1.52	1.84	2.23
29+6	0.71	0.87	1.05	1.27	1.55	1.87	2.27
30+0	0.73	0.88	1.07	1.30	1.57	1.91	2.31
30+1	0.74	0.90	1.09	1.32	1.60	1.94	2.35
30+2	0.75	0.91	1.11	1.34	1.63	1.97	2.39
30+3	0.76	0.93	1.13	1.36	1.66	2.01	2.44
30+4	0.78	0.94	1.14	1.39	1.68	2.04	2.48
30+5	0.79	0.96	1.16	1.41	1.71	2.08	2.52
30+6	0.80	0.98	1.18	1.44	1.74	2.11	2.56
31+0	0.82	0.99	1.20	1.46	1.77	2.15	2.61
31+1	0.83	1.01	1.23	1.49	1.80	2.19	2.65
31+2	0.85	1.03	1.25	1.51	1.83	2.22	2.70
31+3	0.86	1.04	1.27	1.54	1.87	2.26	2.74
31+4	0.88	1.06	1.29	1.56	1.90	2.30	2.79
31+5	0.89	1.08	1.31	1.59	1.93	2.34	2.84
31+6	0.91	1.10	1.33	1.62	1.96	2.38	2.89
32+0	0.92	1.12	1.36	1.64	1.99	2.42	2.94
32+1	0.94	1.14	1.38	1.67	2.03	2.46	2.99
32+2	0.95	1.16	1.40	1.70	2.06	2.50	3.04
32+3	0.97	1.17	1.43	1.73	2.10	2.54	3.09
32+4	0.98	1.19	1.45	1.76	2.13	2.59	3.14
32+5	1.00	1.21	1.47	1.79	2.17	2.63	3.19
32+6	1.02	1.23	1.50	1.82	2.20	2.67	3.24

International Newborn Size Reference Charts for Very Preterm Infants Weight (Girls)



International Newborn Size References for Very Preterm Infants

INTERGROWTH-21st



Length (cm)
Girls



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
24+0	24.0	26.6	29.2	31.8	34.4	37.0	39.6
24+1	24.2	26.8	29.4	32.0	34.6	37.2	39.8
24+2	24.4	27.0	29.6	32.2	34.8	37.4	39.9
24+3	24.5	27.1	29.7	32.3	34.9	37.5	40.1
24+4	24.7	27.3	29.9	32.5	35.1	37.7	40.3
24+5	24.9	27.5	30.1	32.7	35.3	37.9	40.5
24+6	25.1	27.7	30.3	32.9	35.5	38.1	40.7
25+0	25.3	27.9	30.5	33.1	35.7	38.3	40.9
25+1	25.4	28.0	30.6	33.2	35.8	38.4	41.0
25+2	25.6	28.2	30.8	33.4	36.0	38.6	41.2
25+3	25.8	28.4	31.0	33.6	36.2	38.8	41.4
25+4	26.0	28.6	31.2	33.8	36.4	39.0	41.6
25+5	26.2	28.8	31.4	34.0	36.6	39.2	41.8
25+6	26.3	28.9	31.5	34.1	36.7	39.3	41.9
26+0	26.5	29.1	31.7	34.3	36.9	39.5	42.1
26+1	26.7	29.3	31.9	34.5	37.1	39.7	42.3
26+2	26.9	29.5	32.1	34.7	37.3	39.9	42.5
26+3	27.1	29.7	32.3	34.9	37.5	40.1	42.7
26+4	27.3	29.9	32.5	35.1	37.7	40.3	42.9
26+5	27.4	30.0	32.6	35.2	37.8	40.4	43.0
26+6	27.6	30.2	32.8	35.4	38.0	40.6	43.2
27+0	27.8	30.4	33.0	35.6	38.2	40.8	43.4
27+1	28.0	30.6	33.2	35.8	38.4	41.0	43.6
27+2	28.2	30.8	33.4	36.0	38.6	41.2	43.8
27+3	28.3	30.9	33.5	36.1	38.7	41.3	43.9
27+4	28.5	31.1	33.7	36.3	38.9	41.5	44.1
27+5	28.7	31.3	33.9	36.5	39.1	41.7	44.3
27+6	28.9	31.5	34.1	36.7	39.3	41.9	44.5
28+0	29.1	31.7	34.3	36.9	39.5	42.1	44.7
28+1	29.3	31.9	34.5	37.0	39.6	42.2	44.8
28+2	29.4	32.0	34.6	37.2	39.8	42.4	45.0
28+3	29.6	32.2	34.8	37.4	40.0	42.6	45.2
28+4	29.8	32.4	35.0	37.6	40.2	42.8	45.4

International Newborn Size References for Very Preterm Infants



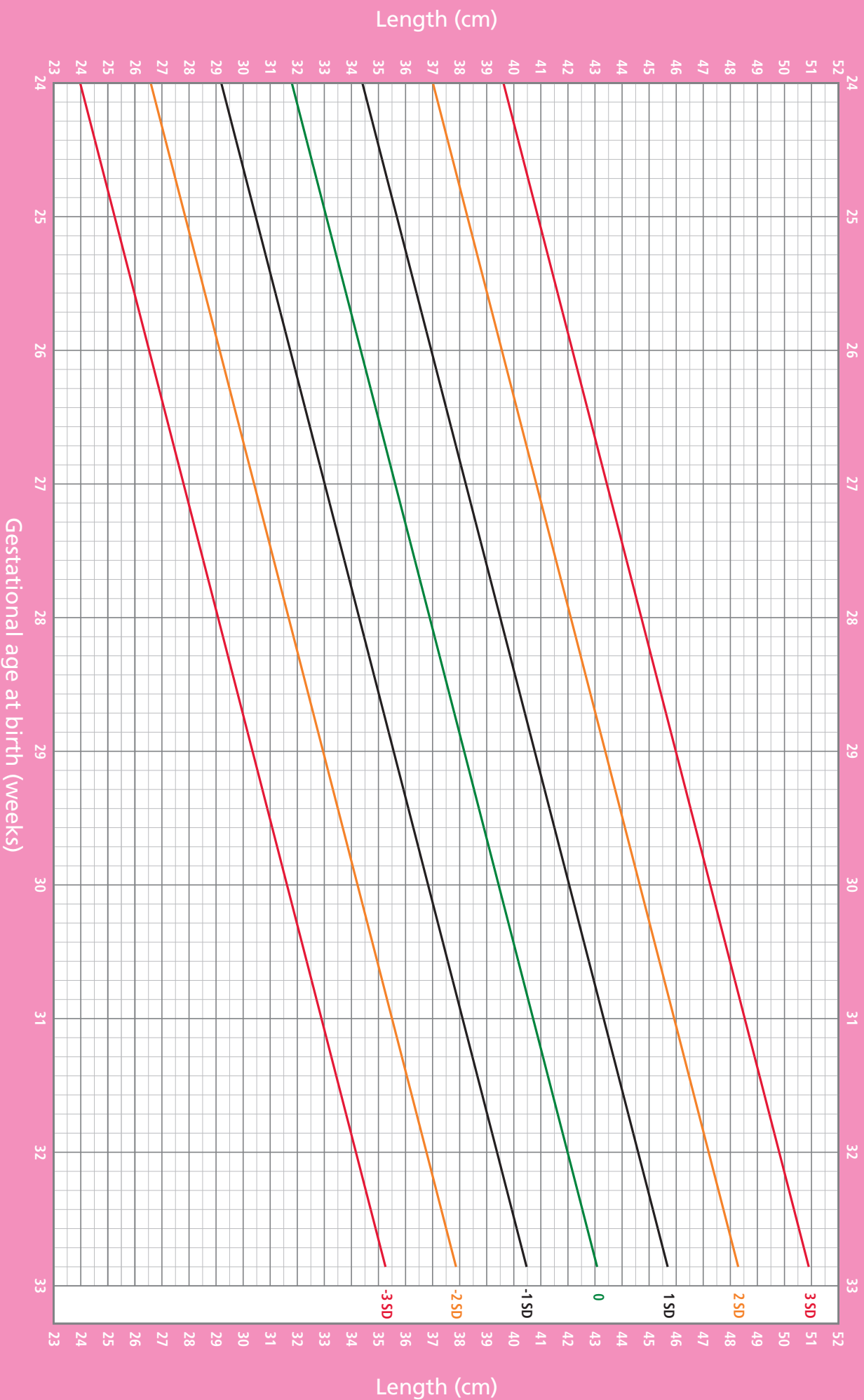
Length (cm)
Girls

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
28+5	30.0	32.6	35.2	37.8	40.4	43.0	45.6
28+6	30.2	32.8	35.4	38.0	40.6	43.2	45.8
29+0	30.3	32.9	35.5	38.1	40.7	43.3	45.9
29+1	30.5	33.1	35.7	38.3	40.9	43.5	46.1
29+2	30.7	33.3	35.9	38.5	41.1	43.7	46.3
29+3	30.9	33.5	36.1	38.7	41.3	43.9	46.5
29+4	31.1	33.7	36.3	38.9	41.5	44.1	46.7
29+5	31.2	33.8	36.4	39.0	41.6	44.2	46.8
29+6	31.4	34.0	36.6	39.2	41.8	44.4	47.0
30+0	31.6	34.2	36.8	39.4	42.0	44.6	47.2
30+1	31.8	34.4	37.0	39.6	42.2	44.8	47.4
30+2	32.0	34.6	37.2	39.8	42.4	45.0	47.6
30+3	32.2	34.8	37.4	40.0	42.6	45.2	47.8
30+4	32.3	34.9	37.5	40.1	42.7	45.3	47.9
30+5	32.5	35.1	37.7	40.3	42.9	45.5	48.1
30+6	32.7	35.3	37.9	40.5	43.1	45.7	48.3
31+0	32.9	35.5	38.1	40.7	43.3	45.9	48.5
31+1	33.1	35.7	38.3	40.9	43.5	46.1	48.7
31+2	33.2	35.8	38.4	41.0	43.6	46.2	48.8
31+3	33.4	36.0	38.6	41.2	43.8	46.4	49.0
31+4	33.6	36.2	38.8	41.4	44.0	46.6	49.2
31+5	33.8	36.4	39.0	41.6	44.2	46.8	49.4
31+6	34.0	36.6	39.2	41.8	44.4	47.0	49.6
32+0	34.1	36.7	39.3	41.9	44.5	47.1	49.7
32+1	34.3	36.9	39.5	42.1	44.7	47.3	49.9
32+2	34.5	37.1	39.7	42.3	44.9	47.5	50.1
32+3	34.7	37.3	39.9	42.5	45.1	47.7	50.3
32+4	34.9	37.5	40.1	42.7	45.3	47.9	50.5
32+5	35.1	37.7	40.3	42.9	45.5	48.1	50.7
32+6	35.2	37.8	40.4	43.0	45.6	48.2	50.8

International Newborn Size Reference Charts for Very Preterm Infants Length (Girls)



International Newborn Size References for Very Preterm Infants



Head Circumference (cm) Girls

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
24+0	17.4	19.0	20.5	22.1	23.6	25.2	26.8
24+1	17.5	19.1	20.7	22.2	23.8	25.3	26.9
24+2	17.7	19.2	20.8	22.3	23.9	25.5	27.0
24+3	17.8	19.4	20.9	22.5	24.0	25.6	27.2
24+4	17.9	19.5	21.0	22.6	24.2	25.7	27.3
24+5	18.0	19.6	21.2	22.7	24.3	25.8	27.4
24+6	18.2	19.7	21.3	22.9	24.4	26.0	27.5
25+0	18.3	19.9	21.4	23.0	24.5	26.1	27.7
25+1	18.4	20.0	21.5	23.1	24.7	26.2	27.8
25+2	18.6	20.1	21.7	23.2	24.8	26.4	27.9
25+3	18.7	20.2	21.8	23.4	24.9	26.5	28.0
25+4	18.8	20.4	21.9	23.5	25.0	26.6	28.2
25+5	18.9	20.5	22.1	23.6	25.2	26.7	28.3
25+6	19.1	20.6	22.2	23.7	25.3	26.9	28.4
26+0	19.2	20.7	22.3	23.9	25.4	27.0	28.5
26+1	19.3	20.9	22.4	24.0	25.6	27.1	28.7
26+2	19.4	21.0	22.6	24.1	25.7	27.2	28.8
26+3	19.6	21.1	22.7	24.2	25.8	27.4	28.9
26+4	19.7	21.3	22.8	24.4	25.9	27.5	29.1
26+5	19.8	21.4	22.9	24.5	26.1	27.6	29.2
26+6	19.9	21.5	23.1	24.6	26.2	27.7	29.3
27+0	20.1	21.6	23.2	24.8	26.3	27.9	29.4
27+1	20.2	21.8	23.3	24.9	26.4	28.0	29.6
27+2	20.3	21.9	23.4	25.0	26.6	28.1	29.7
27+3	20.5	22.0	23.6	25.1	26.7	28.3	29.8
27+4	20.6	22.1	23.7	25.3	26.8	28.4	29.9
27+5	20.7	22.3	23.8	25.4	26.9	28.5	30.1
27+6	20.8	22.4	24.0	25.5	27.1	28.6	30.2
28+0	21.0	22.5	24.1	25.6	27.2	28.8	30.3
28+1	21.1	22.6	24.2	25.8	27.3	28.9	30.4
28+2	21.2	22.8	24.3	25.9	27.5	29.0	30.6
28+3	21.3	22.9	24.5	26.0	27.6	29.1	30.7
28+4	21.5	23.0	24.6	26.1	27.7	29.3	30.8

International Newborn Size References for Very Preterm Infants



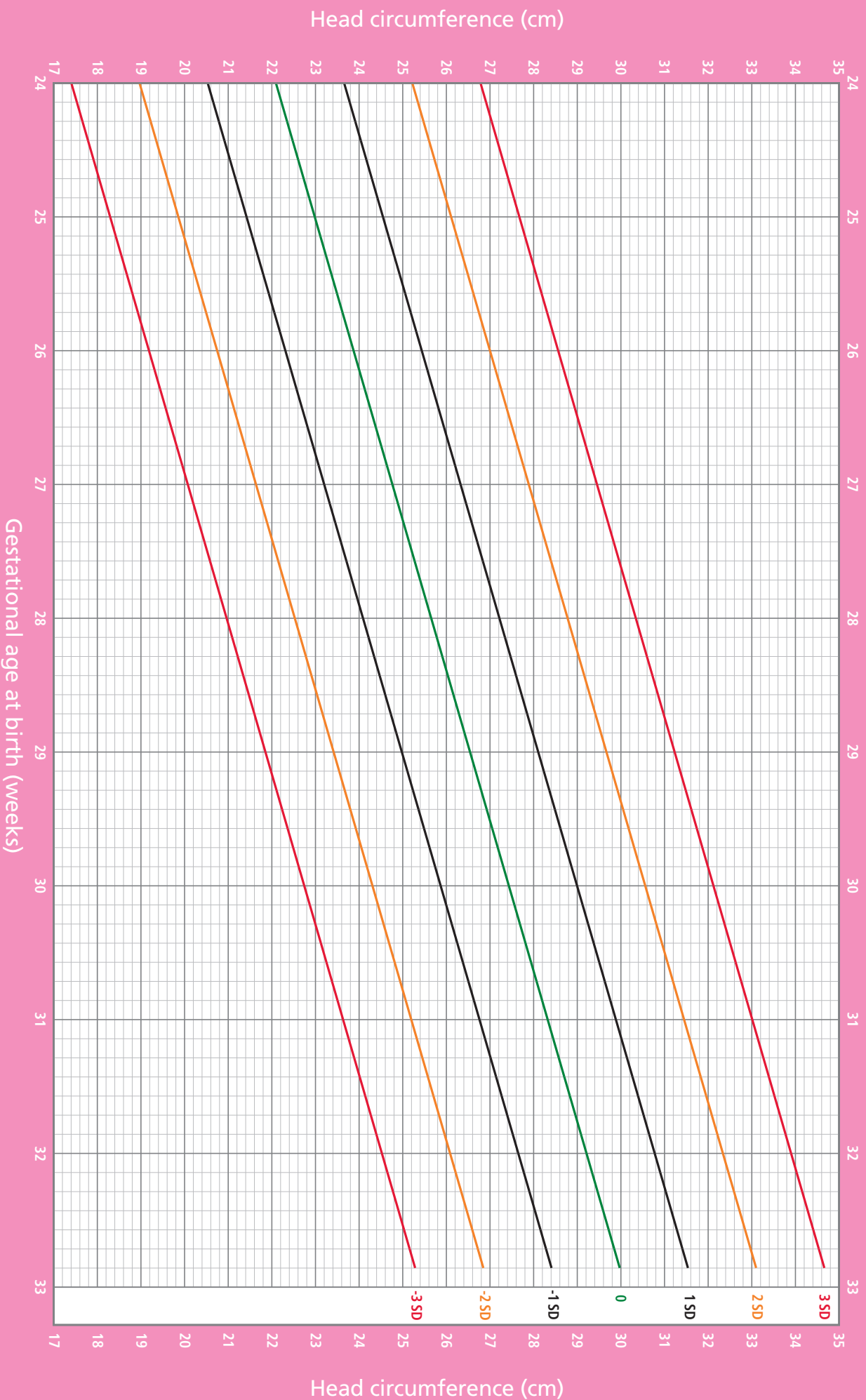
Head Circumference (cm) Girls

INTERGROWTH-21st



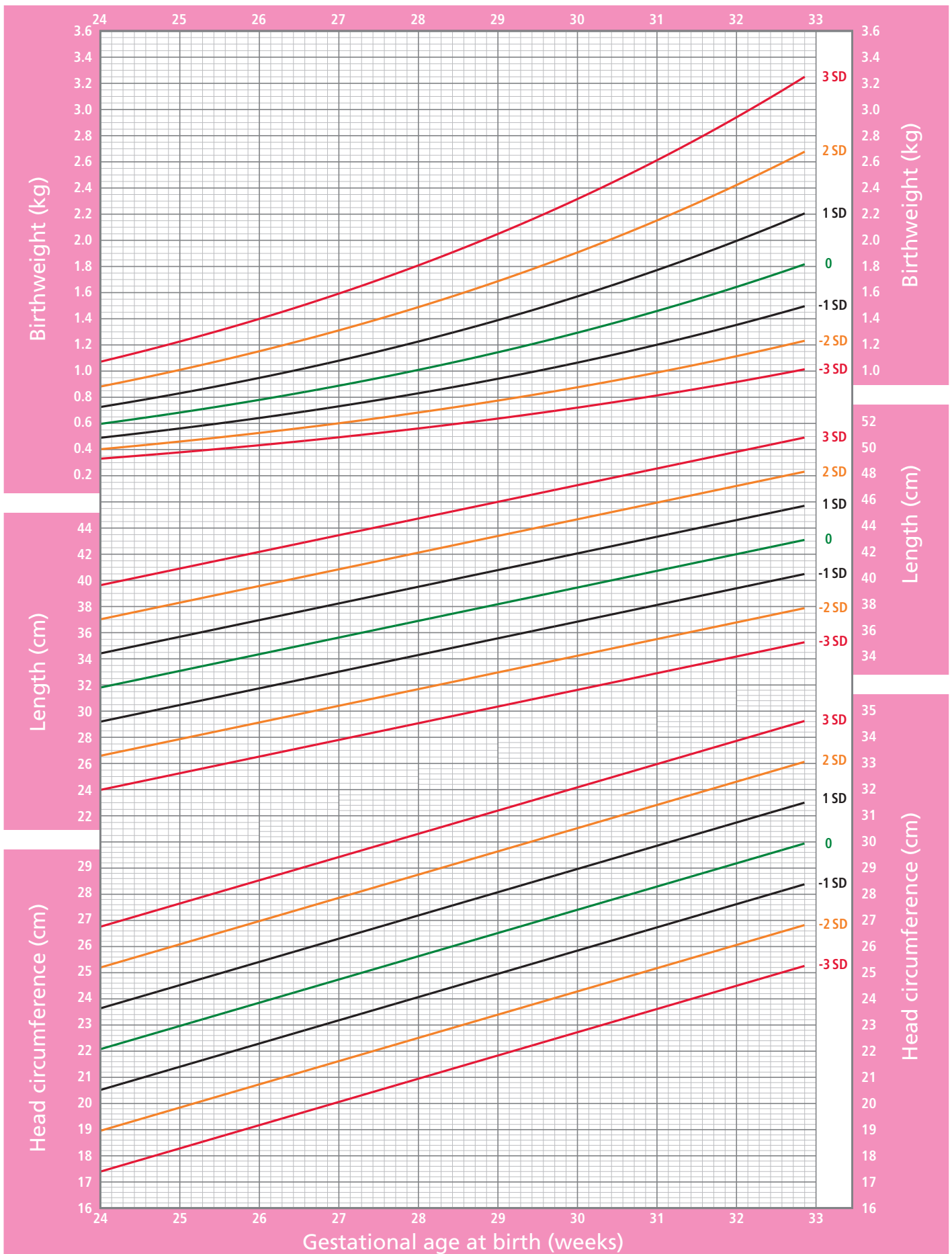
Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
28+5	21.6	23.2	24.7	26.3	27.8	29.4	31.0
28+6	21.7	23.3	24.8	26.4	28.0	29.5	31.1
29+0	21.8	23.4	25.0	26.5	28.1	29.6	31.2
29+1	22.0	23.5	25.1	26.7	28.2	29.8	31.3
29+2	22.1	23.7	25.2	26.8	28.3	29.9	31.5
29+3	22.2	23.8	25.3	26.9	28.5	30.0	31.6
29+4	22.4	23.9	25.5	27.0	28.6	30.2	31.7
29+5	22.5	24.0	25.6	27.2	28.7	30.3	31.8
29+6	22.6	24.2	25.7	27.3	28.8	30.4	32.0
30+0	22.7	24.3	25.9	27.4	29.0	30.5	32.1
30+1	22.9	24.4	26.0	27.5	29.1	30.7	32.2
30+2	23.0	24.5	26.1	27.7	29.2	30.8	32.3
30+3	23.1	24.7	26.2	27.8	29.4	30.9	32.5
30+4	23.2	24.8	26.4	27.9	29.5	31.0	32.6
30+5	23.4	24.9	26.5	28.0	29.6	31.2	32.7
30+6	23.5	25.1	26.6	28.2	29.7	31.3	32.9
31+0	23.6	25.2	26.7	28.3	29.9	31.4	33.0
31+1	23.8	25.3	26.9	28.4	30.0	31.6	33.1
31+2	23.9	25.4	27.0	28.6	30.1	31.7	33.2
31+3	24.0	25.6	27.1	28.7	30.2	31.8	33.4
31+4	24.1	25.7	27.3	28.8	30.4	31.9	33.5
31+5	24.3	25.8	27.4	28.9	30.5	32.1	33.6
31+6	24.4	25.9	27.5	29.1	30.6	32.2	33.7
32+0	24.5	26.1	27.6	29.2	30.8	32.3	33.9
32+1	24.6	26.2	27.8	29.3	30.9	32.4	34.0
32+2	24.8	26.3	27.9	29.4	31.0	32.6	34.1
32+3	24.9	26.5	28.0	29.6	31.1	32.7	34.3
32+4	25.0	26.6	28.1	29.7	31.3	32.8	34.4
32+5	25.1	26.7	28.3	29.8	31.4	32.9	34.5
32+6	25.3	26.8	28.4	30.0	31.5	33.1	34.6

International Newborn Size Reference Charts for Very Preterm Infants Head Circumference (Girls)



International Newborn Size Reference Charts for Very Preterm Infants (Girls)

INTERGROWTH-21st



International Newborn Size References for Very Preterm Infants



Weight-Length Ratio (kg/m) Girls

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
24+0	0.38	0.97	1.57	2.17	2.77	3.36	3.96
24+1	0.39	0.99	1.58	2.18	2.78	3.38	3.97
24+2	0.40	1.00	1.60	2.20	2.79	3.39	3.99
24+3	0.42	1.02	1.61	2.21	2.81	3.41	4.00
24+4	0.43	1.03	1.63	2.23	2.82	3.42	4.02
24+5	0.45	1.05	1.64	2.24	2.84	3.44	4.03
24+6	0.47	1.06	1.66	2.26	2.86	3.45	4.05
25+0	0.48	1.08	1.68	2.28	2.87	3.47	4.07
25+1	0.50	1.10	1.70	2.29	2.89	3.49	4.09
25+2	0.52	1.12	1.72	2.31	2.91	3.51	4.11
25+3	0.54	1.14	1.73	2.33	2.93	3.53	4.12
25+4	0.56	1.16	1.75	2.35	2.95	3.55	4.14
25+5	0.58	1.18	1.77	2.37	2.97	3.57	4.16
25+6	0.60	1.20	1.80	2.39	2.99	3.59	4.19
26+0	0.62	1.22	1.82	2.41	3.01	3.61	4.21
26+1	0.64	1.24	1.84	2.44	3.03	3.63	4.23
26+2	0.67	1.27	1.86	2.46	3.06	3.66	4.25
26+3	0.69	1.29	1.89	2.48	3.08	3.68	4.28
26+4	0.72	1.31	1.91	2.51	3.11	3.70	4.30
26+5	0.74	1.34	1.94	2.53	3.13	3.73	4.33
26+6	0.77	1.36	1.96	2.56	3.16	3.75	4.35
27+0	0.79	1.39	1.99	2.59	3.18	3.78	4.38
27+1	0.82	1.42	2.02	2.61	3.21	3.81	4.41
27+2	0.85	1.45	2.04	2.64	3.24	3.84	4.43
27+3	0.88	1.47	2.07	2.67	3.27	3.86	4.46
27+4	0.91	1.50	2.10	2.70	3.30	3.89	4.49
27+5	0.94	1.53	2.13	2.73	3.33	3.92	4.52
27+6	0.97	1.57	2.16	2.76	3.36	3.96	4.55
28+0	1.00	1.60	2.19	2.79	3.39	3.99	4.58
28+1	1.03	1.63	2.23	2.82	3.42	4.02	4.62
28+2	1.06	1.66	2.26	2.86	3.45	4.05	4.65
28+3	1.10	1.70	2.29	2.89	3.49	4.09	4.68
28+4	1.13	1.73	2.33	2.93	3.52	4.12	4.72

International Newborn Size References for Very Preterm Infants



Weight-Length Ratio (kg/m) Girls

INTERGROWTH-21st



Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
28+5	1.17	1.77	2.36	2.96	3.56	4.16	4.75
28+6	1.20	1.80	2.40	3.00	3.59	4.19	4.79
29+0	1.24	1.84	2.44	3.03	3.63	4.23	4.83
29+1	1.28	1.88	2.47	3.07	3.67	4.27	4.86
29+2	1.32	1.92	2.51	3.11	3.71	4.31	4.90
29+3	1.36	1.95	2.55	3.15	3.75	4.34	4.94
29+4	1.40	1.99	2.59	3.19	3.79	4.38	4.98
29+5	1.44	2.04	2.63	3.23	3.83	4.43	5.02
29+6	1.48	2.08	2.67	3.27	3.87	4.47	5.06
30+0	1.52	2.12	2.72	3.31	3.91	4.51	5.11
30+1	1.57	2.16	2.76	3.36	3.96	4.55	5.15
30+2	1.61	2.21	2.80	3.40	4.00	4.60	5.19
30+3	1.66	2.25	2.85	3.45	4.05	4.64	5.24
30+4	1.70	2.30	2.90	3.49	4.09	4.69	5.29
30+5	1.75	2.35	2.94	3.54	4.14	4.74	5.33
30+6	1.80	2.39	2.99	3.59	4.19	4.78	5.38
31+0	1.84	2.44	3.04	3.64	4.23	4.83	5.43
31+1	1.89	2.49	3.09	3.69	4.28	4.88	5.48
31+2	1.94	2.54	3.14	3.74	4.33	4.93	5.53
31+3	1.99	2.59	3.19	3.79	4.38	4.98	5.58
31+4	2.05	2.64	3.24	3.84	4.44	5.03	5.63
31+5	2.10	2.70	3.29	3.89	4.49	5.09	5.68
31+6	2.15	2.75	3.35	3.95	4.54	5.14	5.74
32+0	2.21	2.81	3.40	4.00	4.60	5.20	5.79
32+1	2.26	2.86	3.46	4.06	4.65	5.25	5.85
32+2	2.32	2.92	3.52	4.11	4.71	5.31	5.91
32+3	2.38	2.98	3.57	4.17	4.77	5.37	5.96
32+4	2.44	3.03	3.63	4.23	4.83	5.42	6.02
32+5	2.50	3.09	3.69	4.29	4.89	5.48	6.08
32+6	2.56	3.15	3.75	4.35	4.95	5.54	6.14

International Newborn Size Reference Charts for Very Preterm Infants Weight-Length Ratio (Girls)

