

International Newborn Size References for Very Preterm Infants

INTERGROWTH-21st



Birthweight (kg) Boys



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

INTERGROWTH-21st

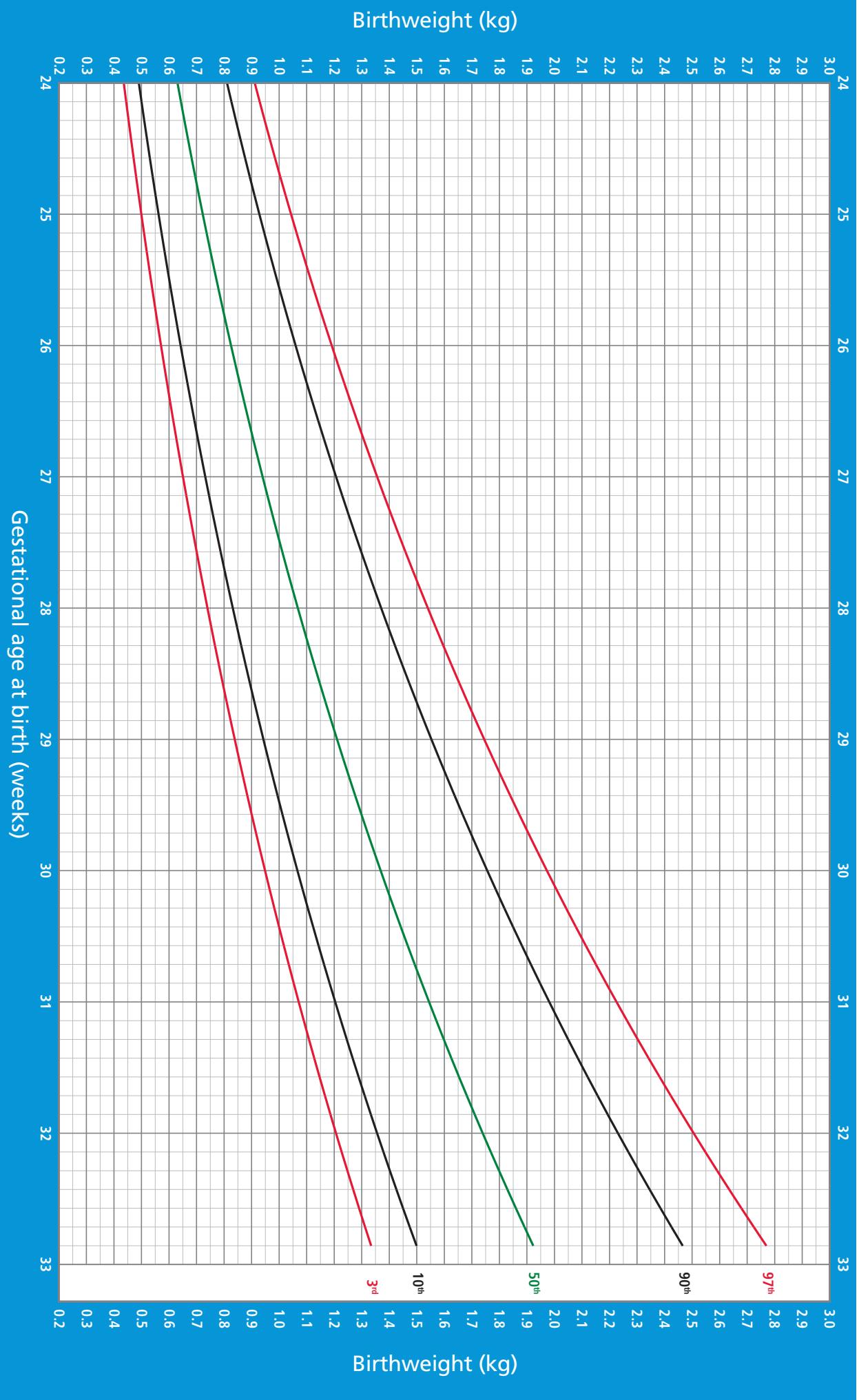


Birthweight (kg) Boys



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



INTERGROWTH-21st

Length (cm) Boys



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



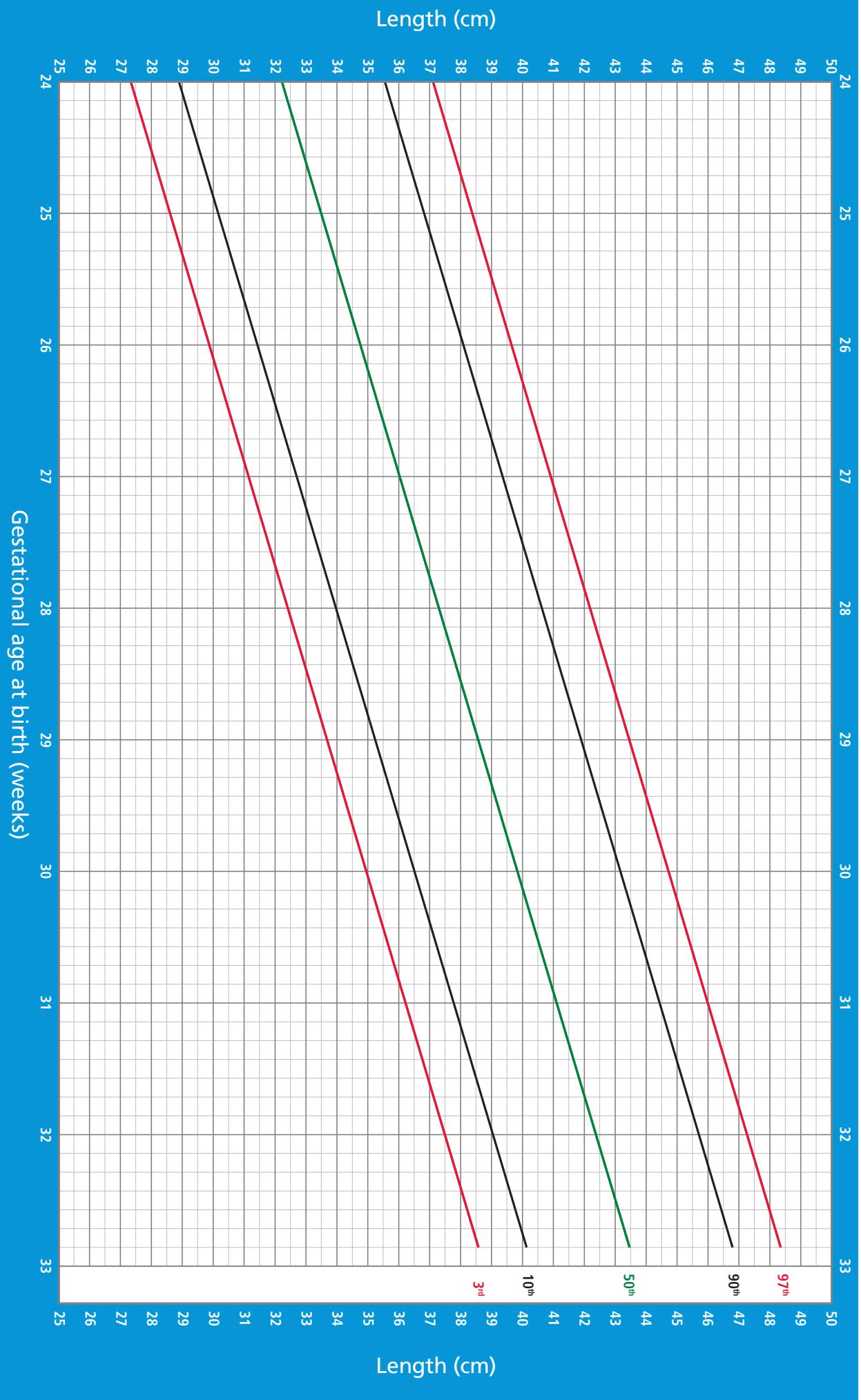
INTERGROWTH-21st

Length (cm) Boys



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



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
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



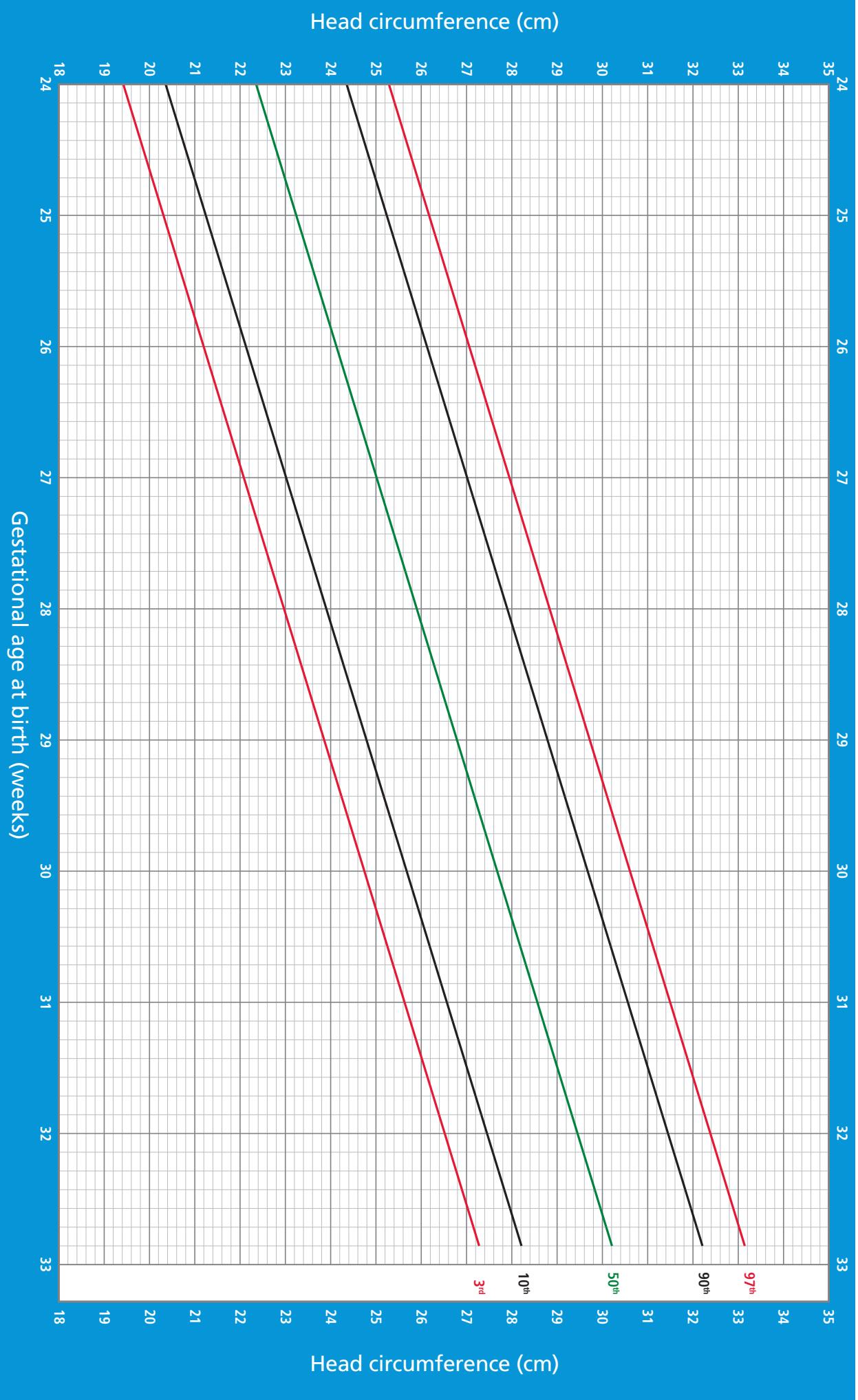
INTERGROWTH-21st

Head Circumference (cm) Boys

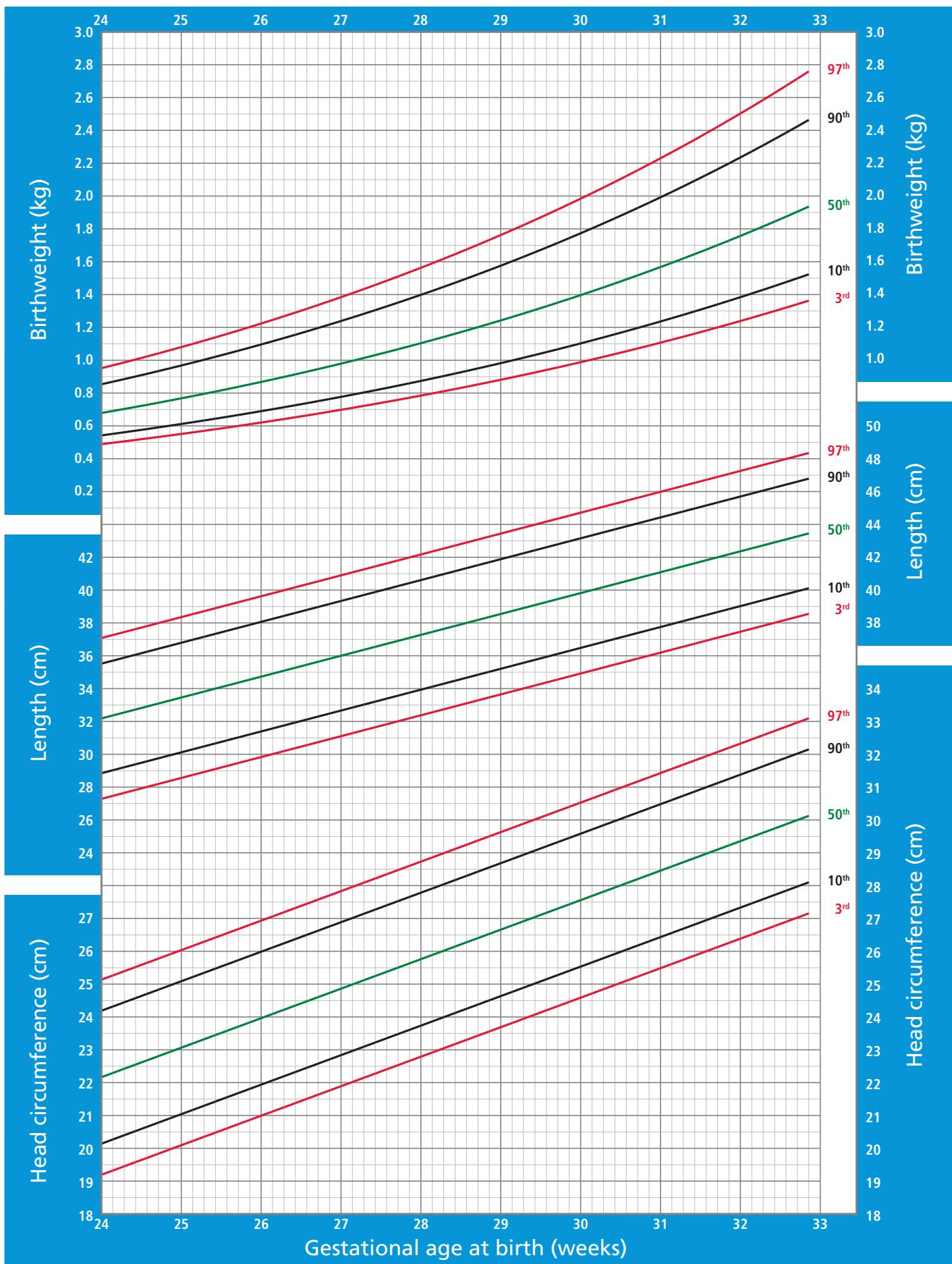


Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
28+5	23.6	24.0	24.5	26.5	28.5	29.1	29.5
28+6	23.7	24.1	24.7	26.7	28.7	29.2	29.6
29+0	23.8	24.2	24.8	26.8	28.8	29.3	29.7
29+1	24.0	24.3	24.9	26.9	28.9	29.5	29.8
29+2	24.1	24.5	25.0	27.0	29.0	29.6	30.0
29+3	24.2	24.6	25.2	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)



International Newborn Size References for Very Preterm Infants

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
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

INTERGROWTH-21st

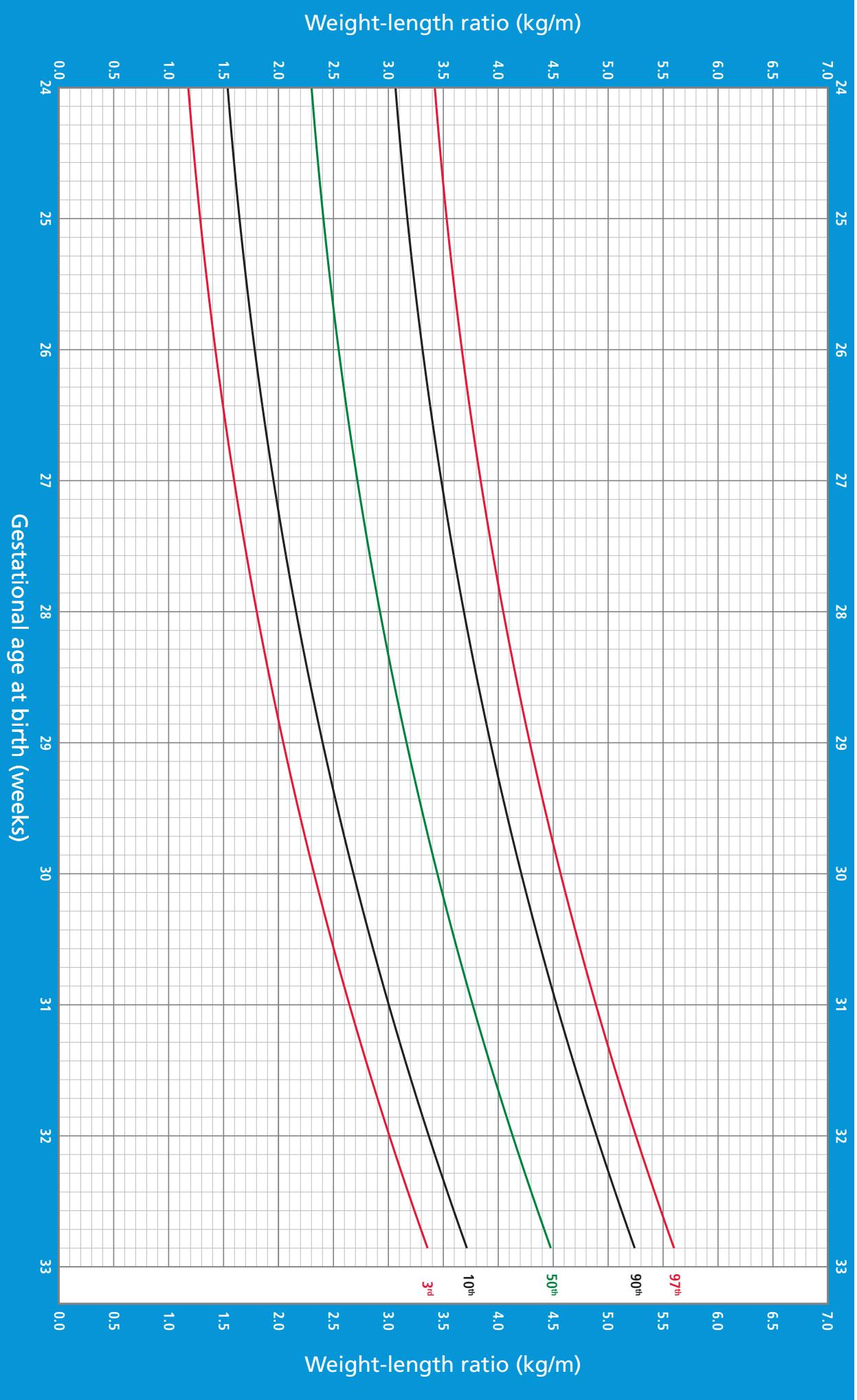


Weight-Length Ratio (kg/m) Boys



Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
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

INTERGROWTH-21st



Birthweight (kg) Girls



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

INTERGROWTH-21st

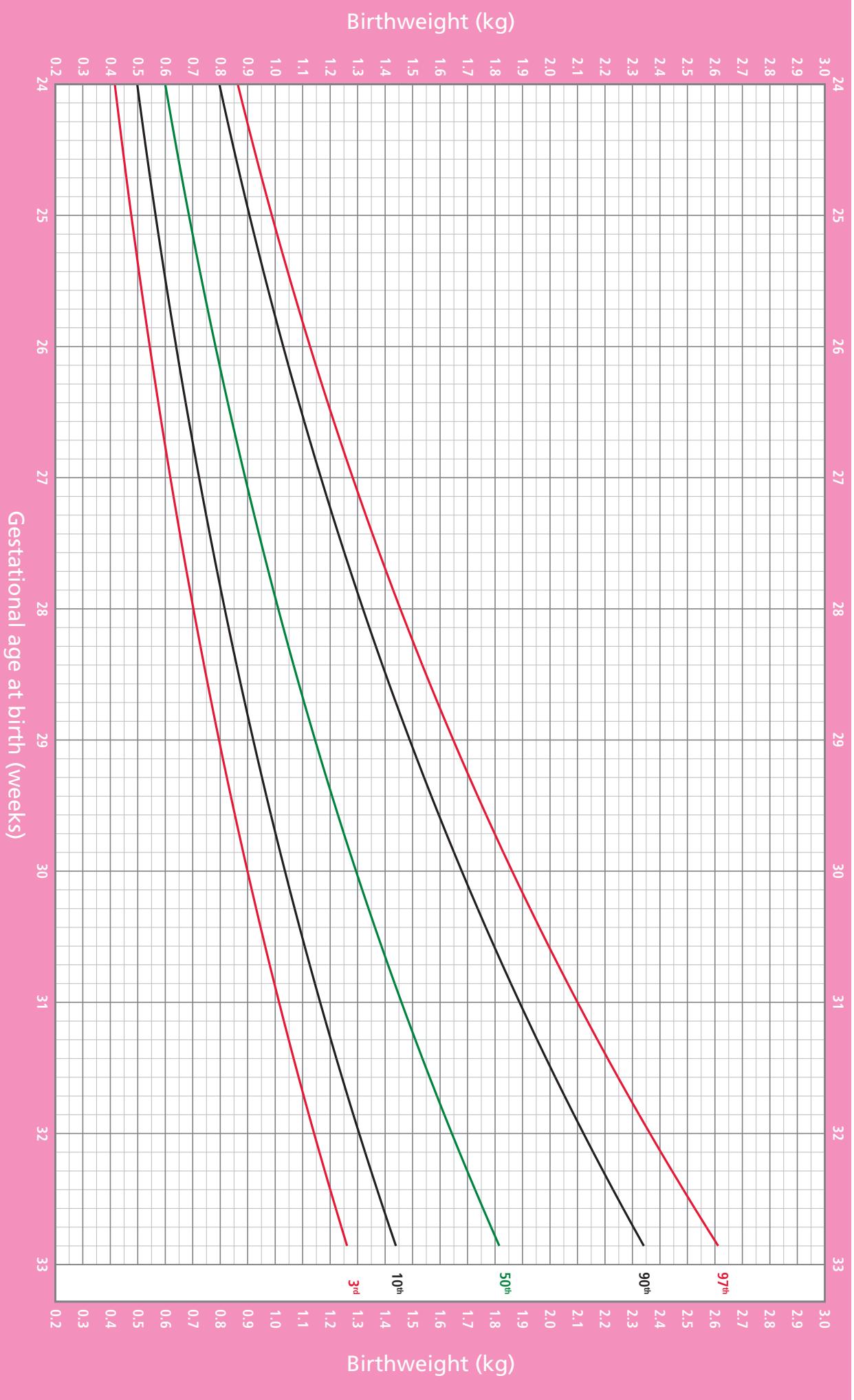


Birthweight (kg) Girls



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



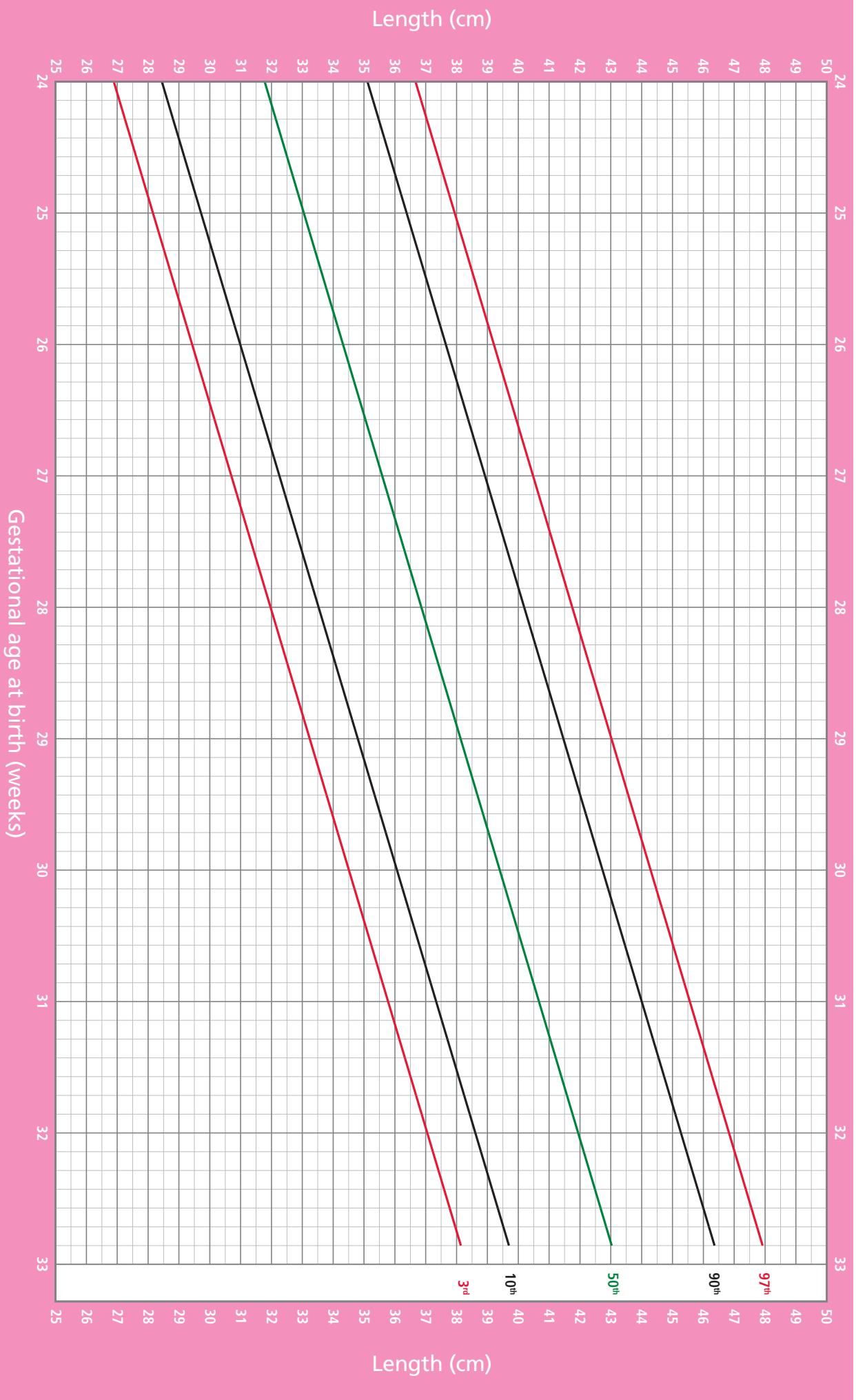
INTERGROWTH-21st

Length (cm) Girls



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



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
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



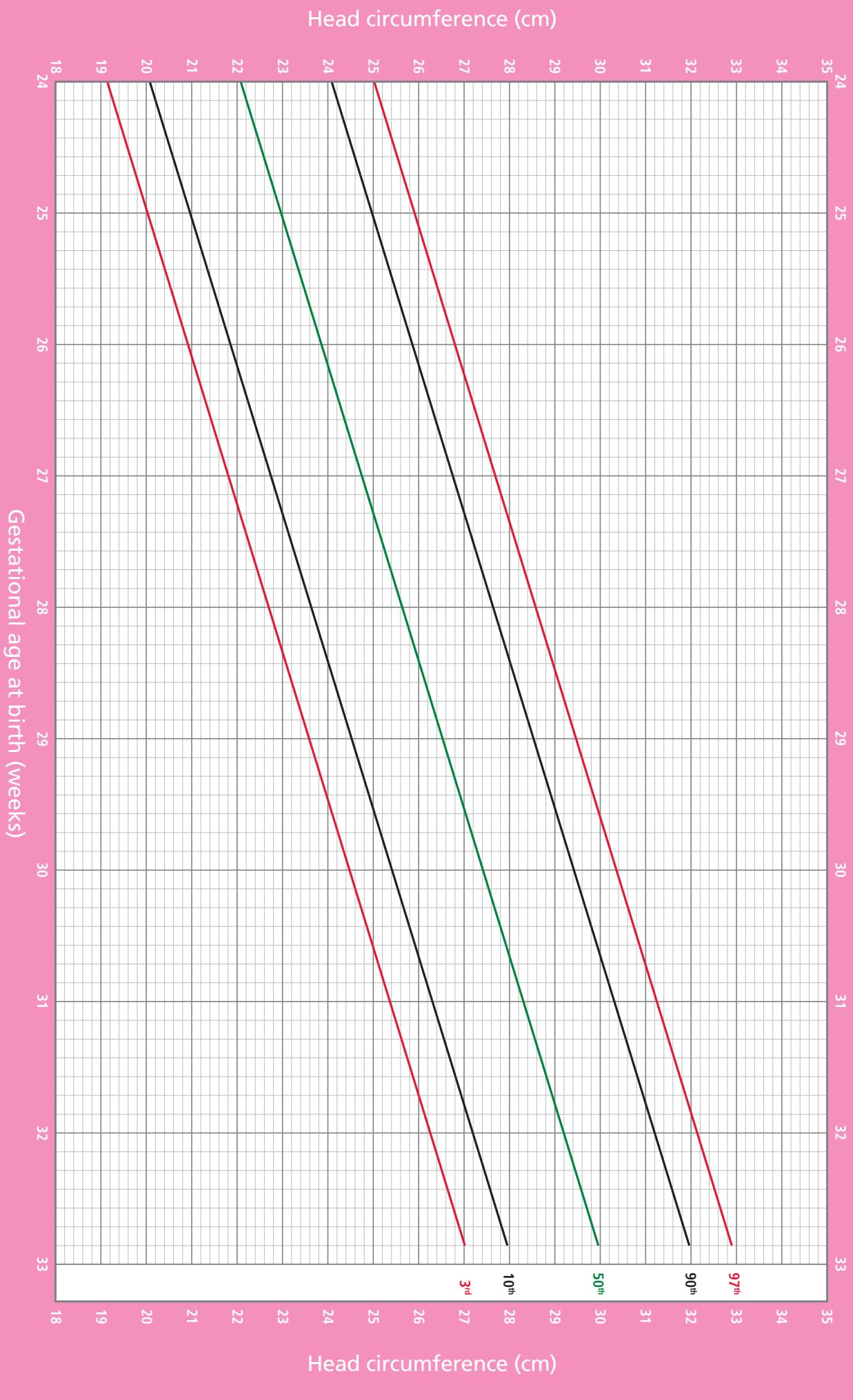
INTERGROWTH-21st

Head Circumference (cm) Girls

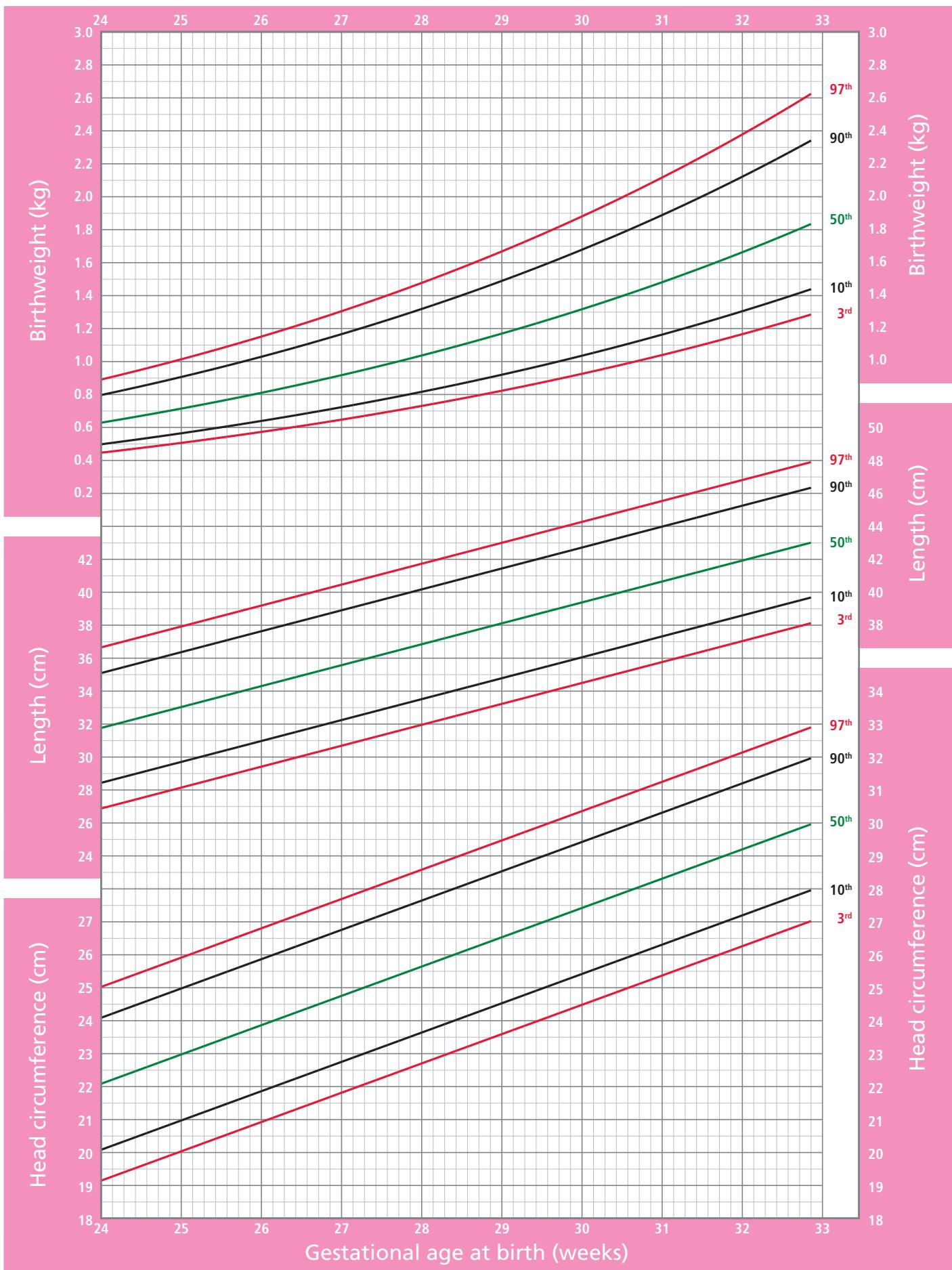


Gestational age (weeks+days)	Centiles						
	3 rd	5 th	10 th	50 th	90 th	95 th	97 th
28+5	23.3	23.7	24.3	26.3	28.3	28.8	29.2
28+6	23.5	23.8	24.4	26.4	28.4	29.0	29.3
29+0	23.6	24.0	24.5	26.5	28.5	29.1	29.5
29+1	23.7	24.1	24.7	26.7	28.7	29.2	29.6
29+2	23.8	24.2	24.8	26.8	28.8	29.3	29.7
29+3	24.0	24.3	24.9	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



INTERGROWTH-21st

Weight-Length Ratio (kg) Girls



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

INTERGROWTH-21st

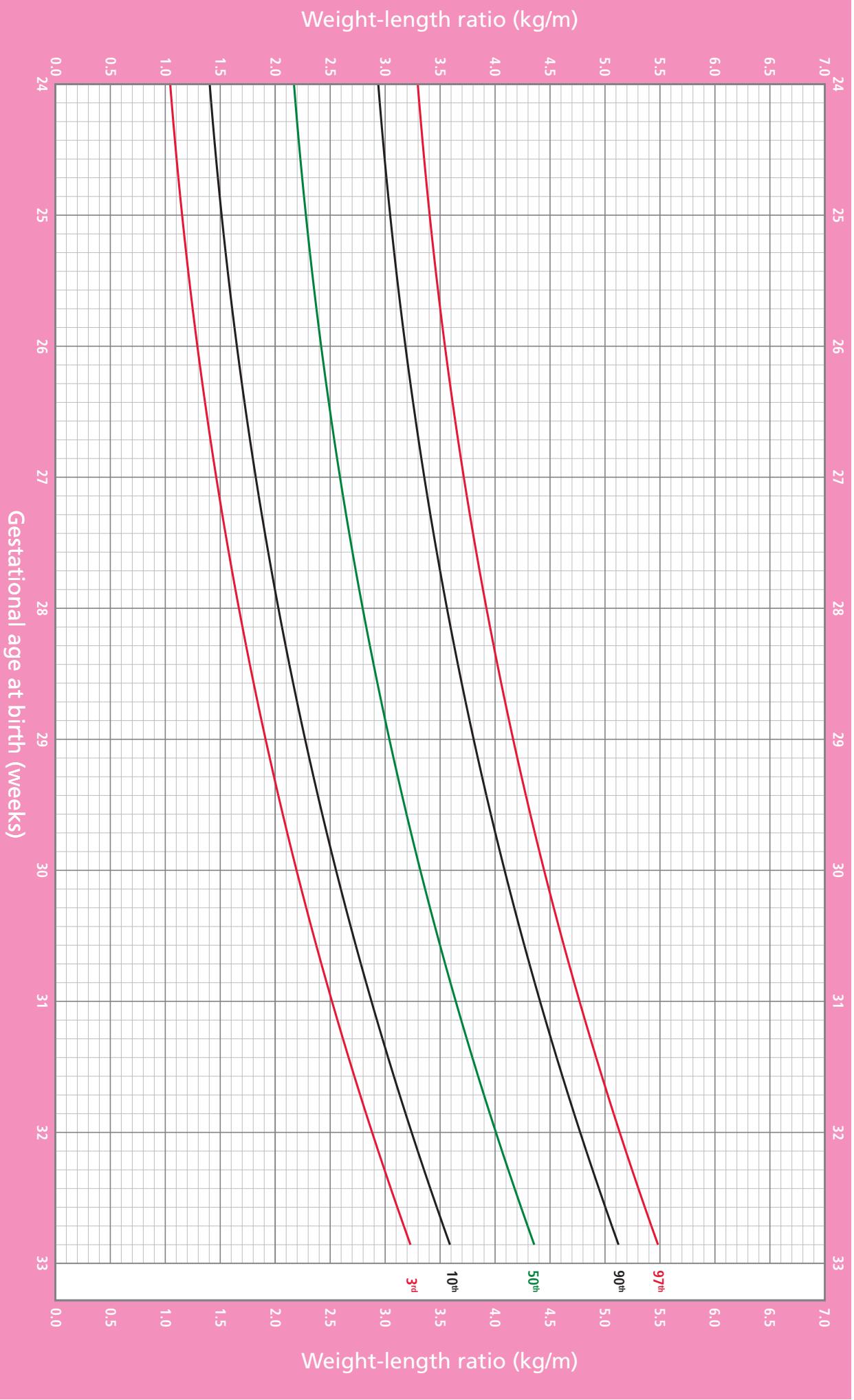


Weight-Length Ratio (kg) Girls



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



INTERGROWTH-21st

Birthweight (kg) Boys



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



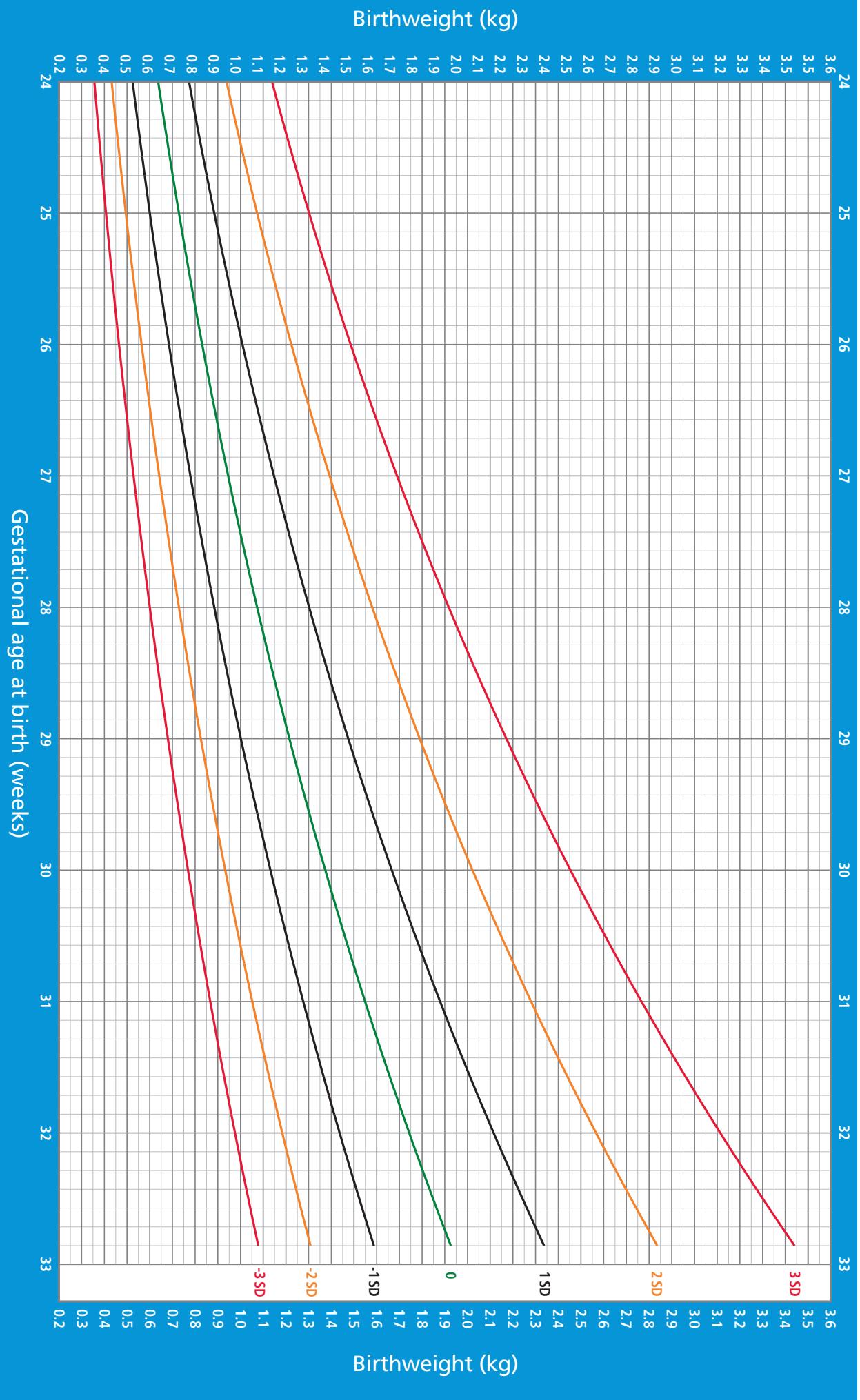
INTERGROWTH-21st

Birthweight (kg) Boys



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



INTERGROWTH-21st

Head Circumference (cm) Boys



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



INTERGROWTH-21st

Head Circumference (cm) Boys



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

INTERGROWTH-21st



Length (cm) Boys



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



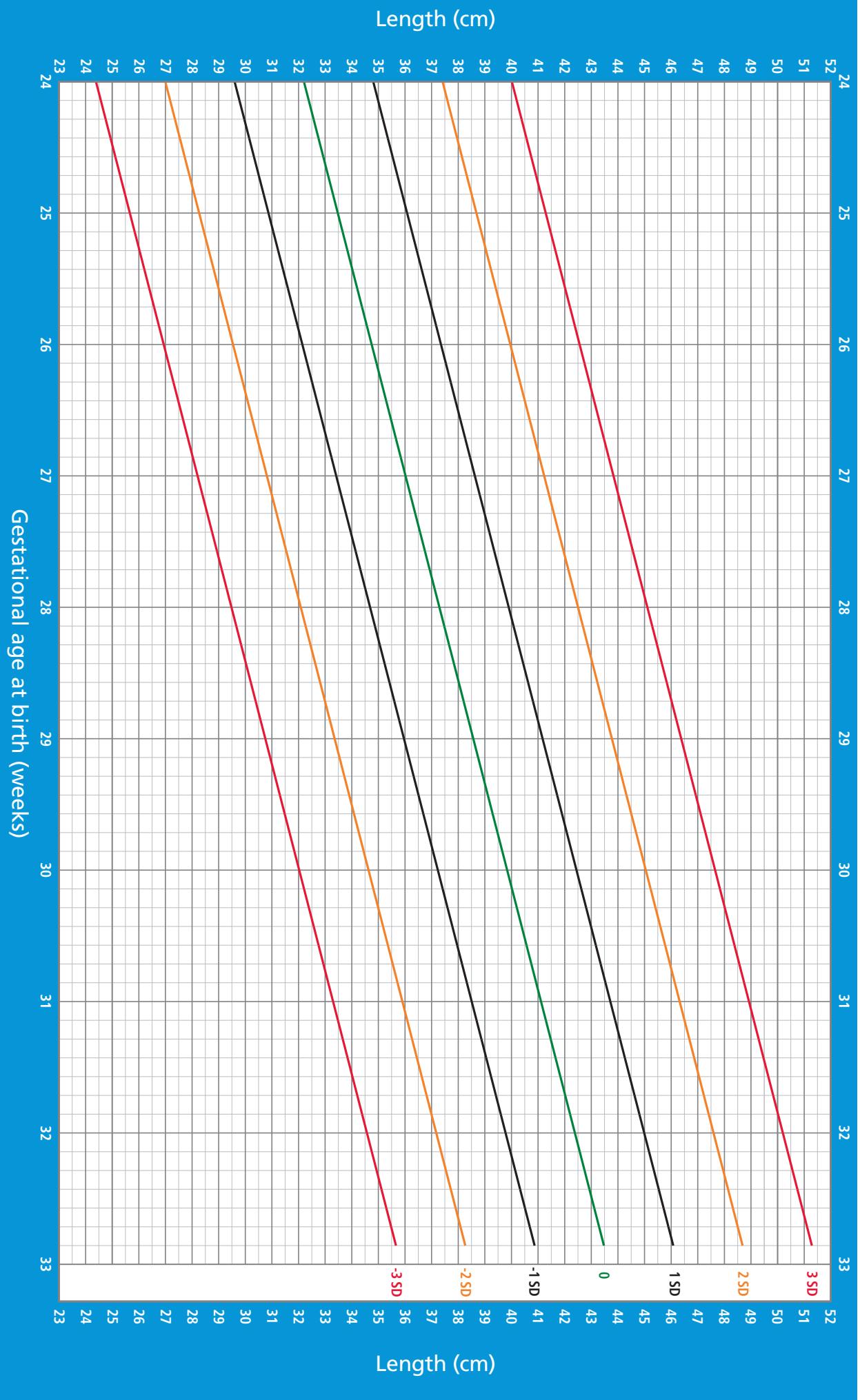
INTERGROWTH-21st

Length (cm) Boys



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

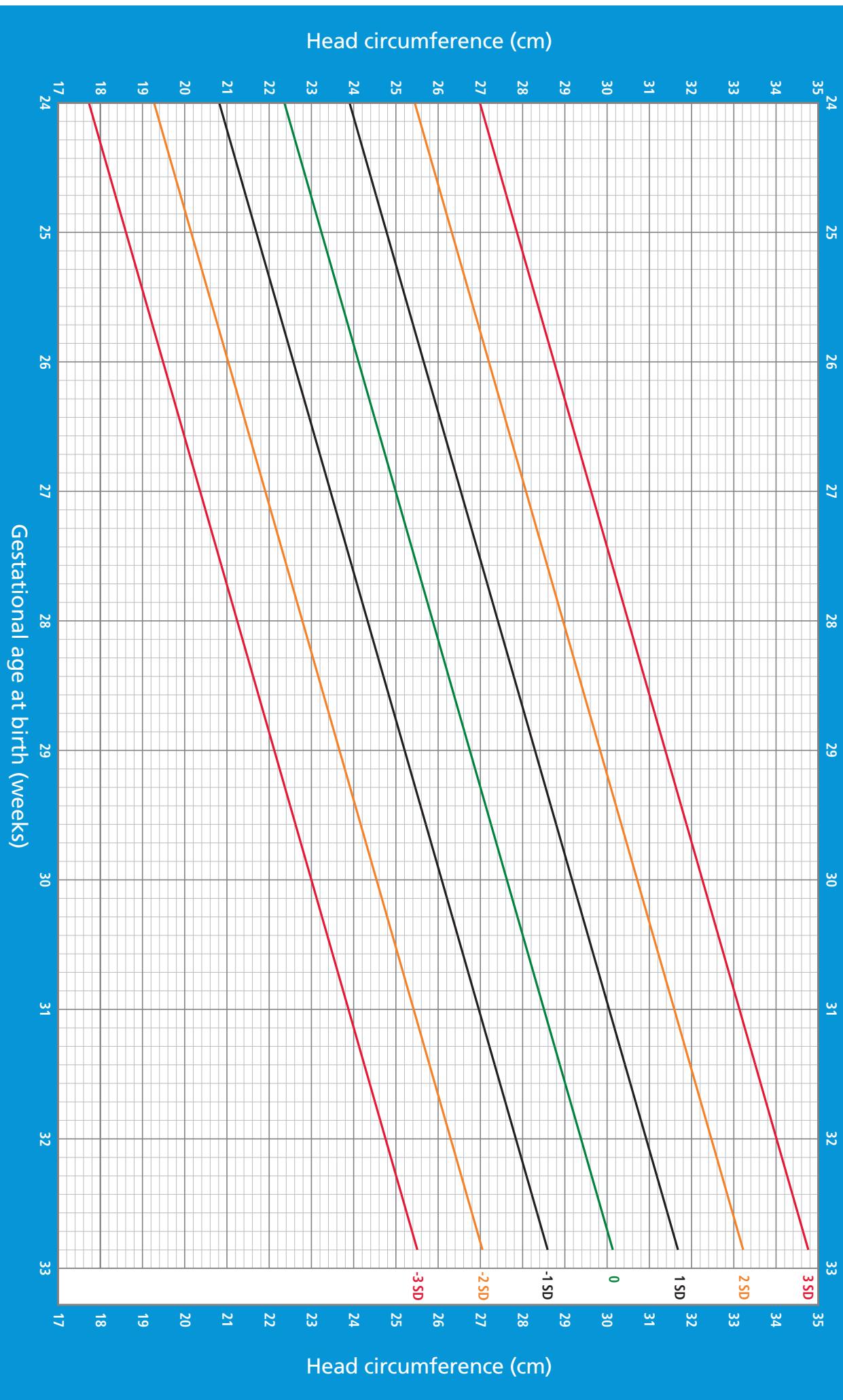
International Newborn Size Reference Charts for Very Preterm Infants Length (Boys)



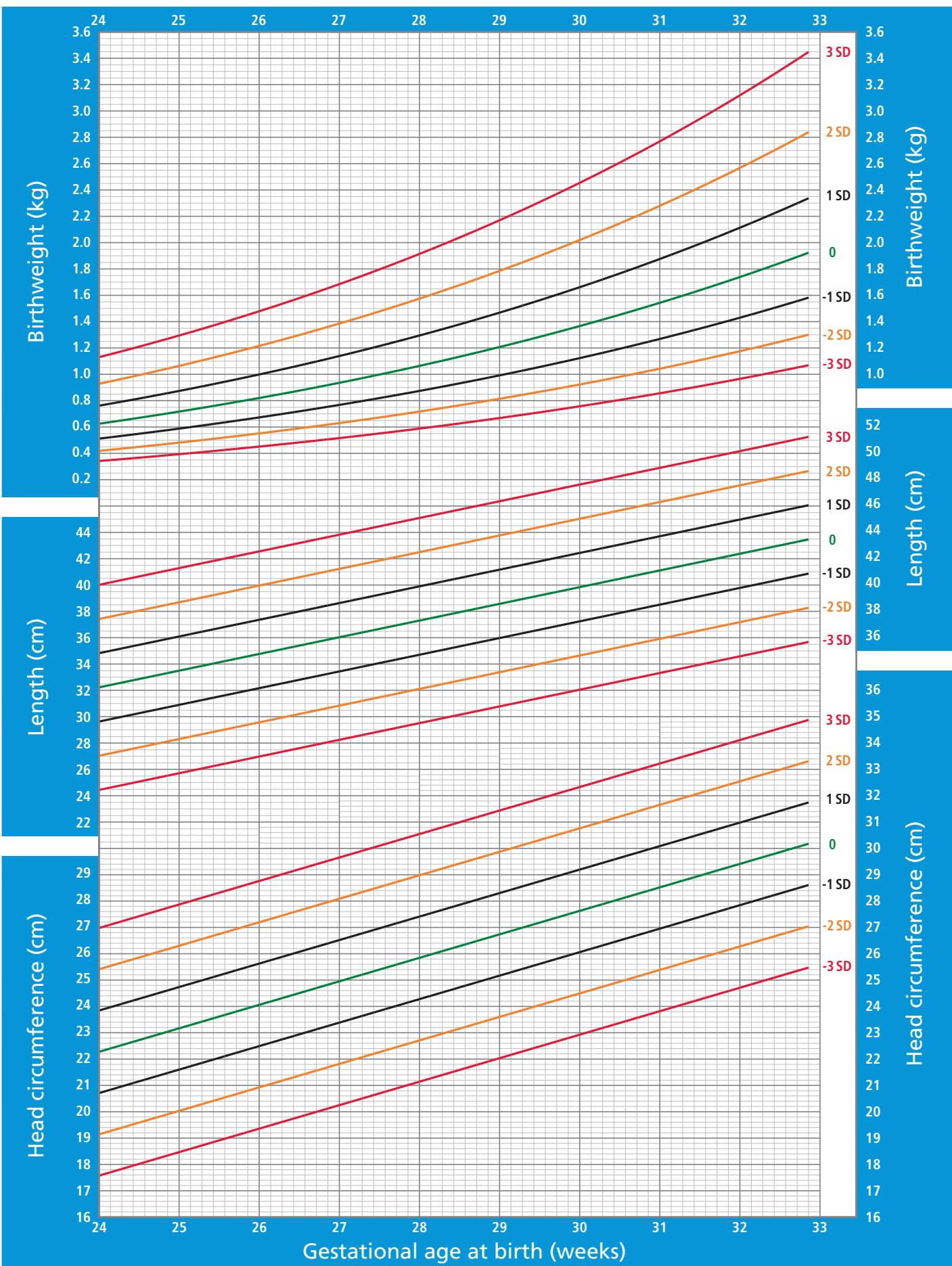


International Newborn Size Reference Charts for Very Preterm Infants

Head Circumference (Boys)



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



International Newborn Size References for Very Preterm Infants



INTERGROWTH-21st

Weight-Length Ratio (kg/m) Boys



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



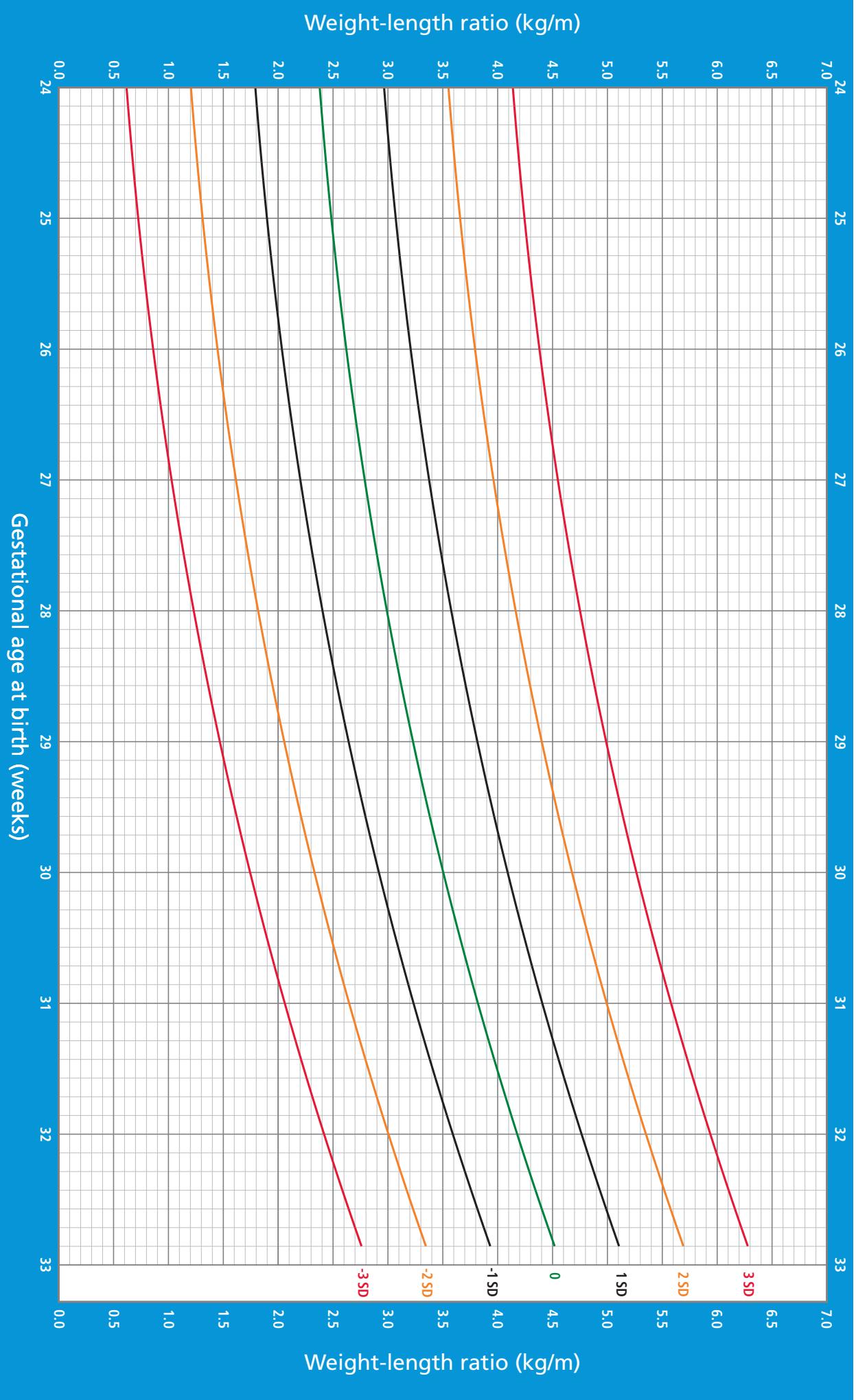
INTERGROWTH-21st

Weight-Length Ratio (kg/m) Boys



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



INTERGROWTH-21st

Birthweight (kg) Girls



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



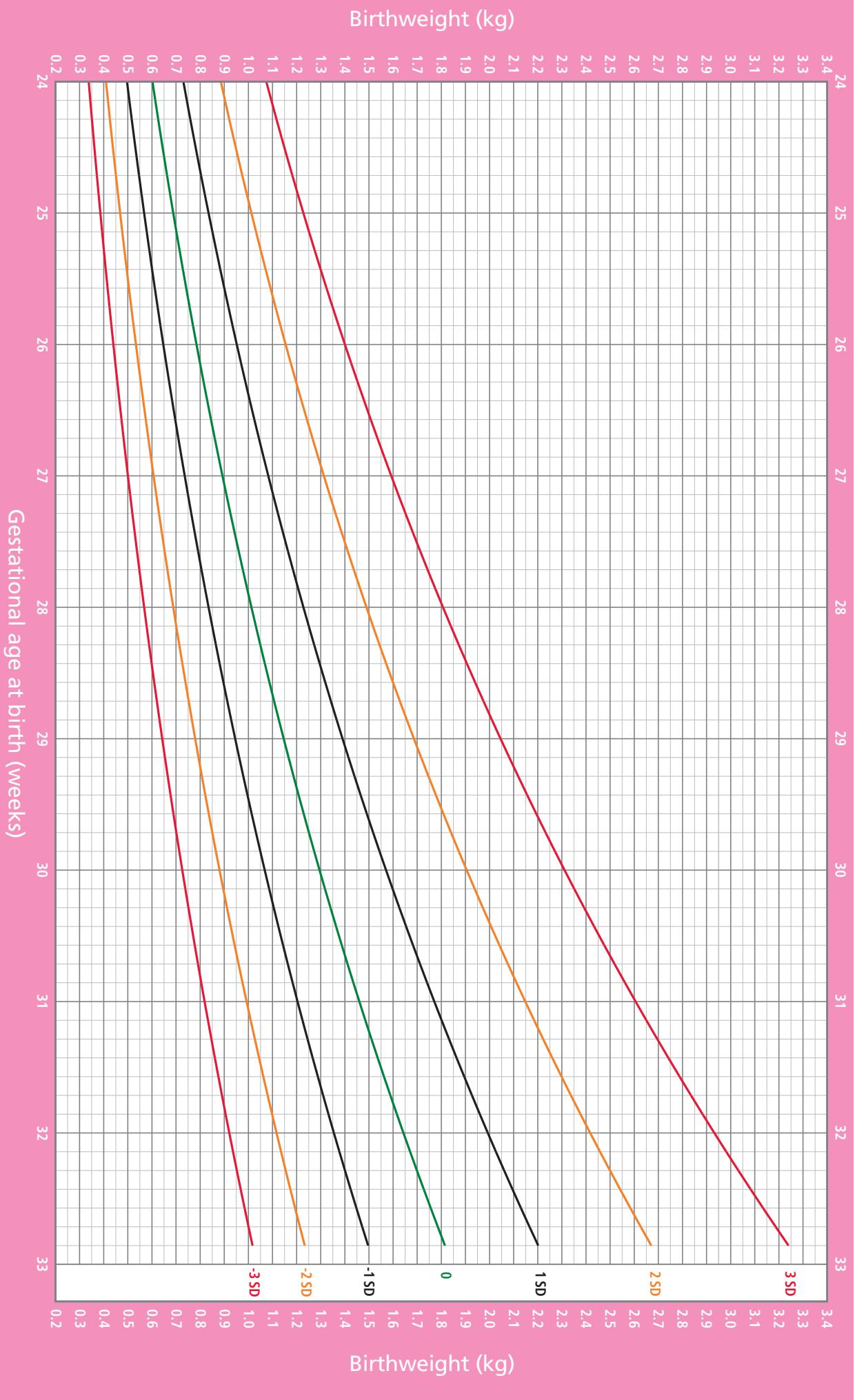
INTERGROWTH-21st

Birthweight (kg) Girls



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



Length (cm) Girls

INTERGROWTH-21st



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



INTERGROWTH-21st

Head Circumference (cm) Girls



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



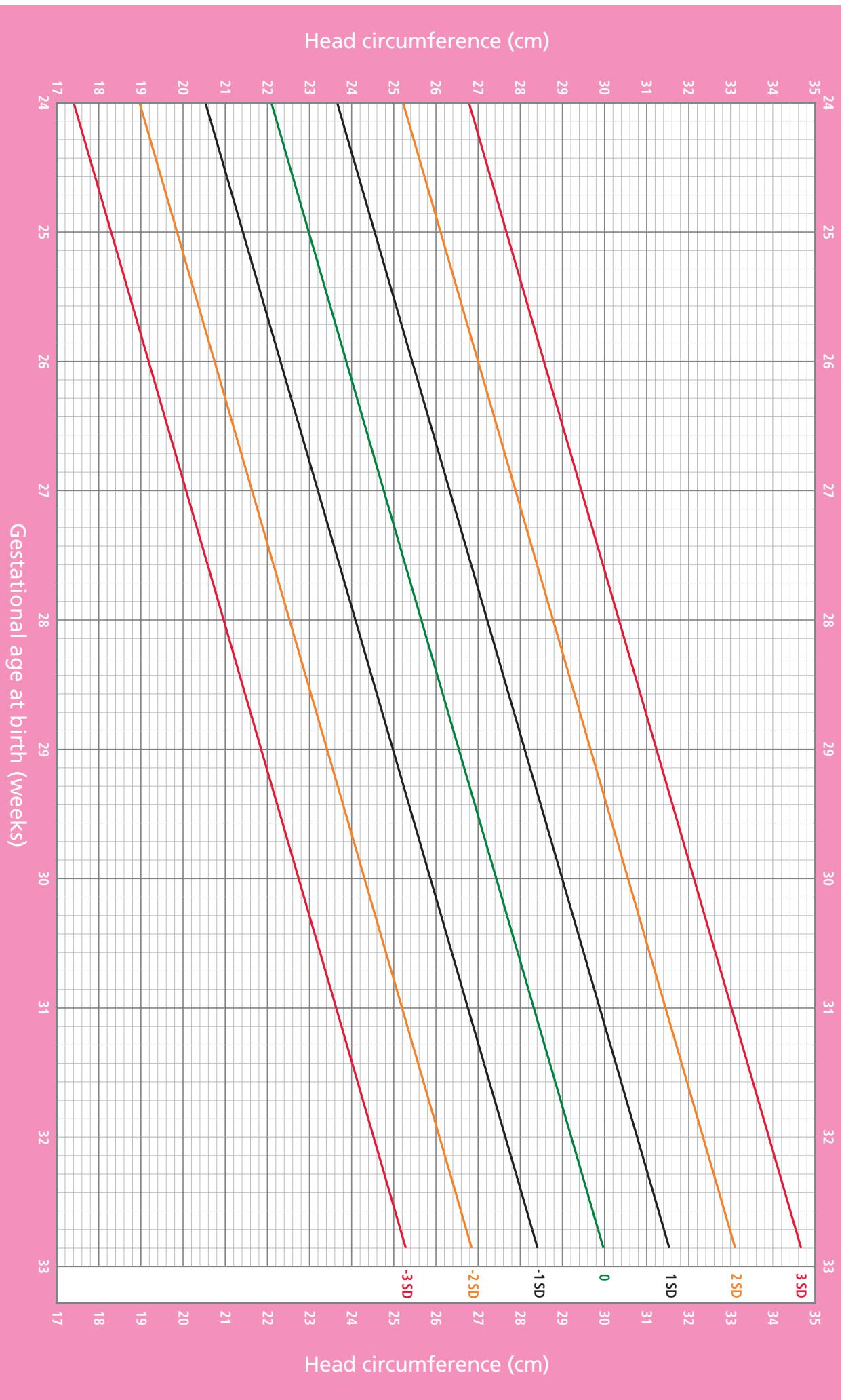
INTERGROWTH-21st

Head Circumference (cm) Girls

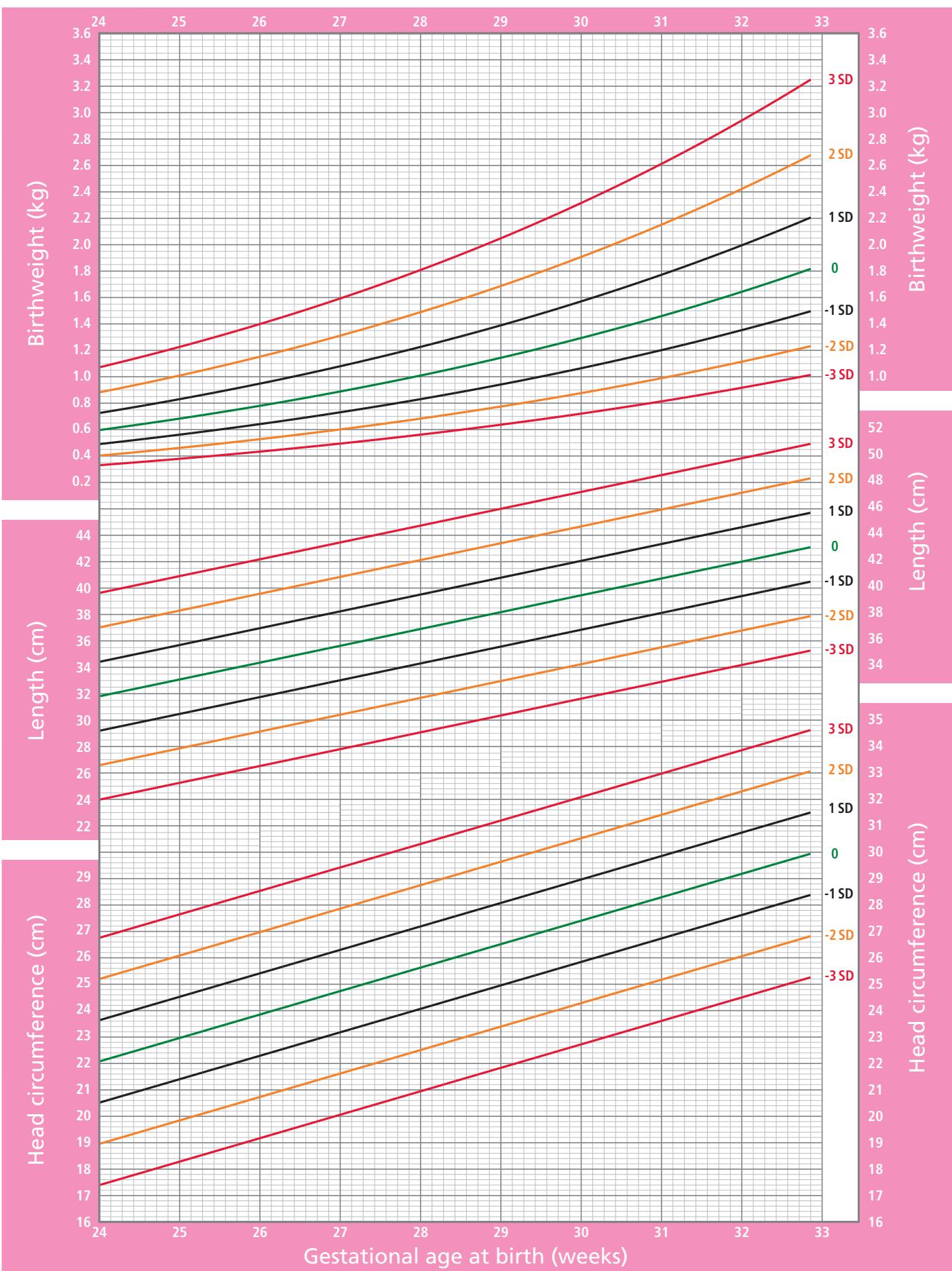


Gestational age (weeks+days)	z-scores (Standard Deviations)						
	-3	-2	-1	0	1	2	3
28+5	21.6	23.2	24.7	26.3	27.8	29.4	31.0
28+6	21.7	23.3	24.8	26.4	28.0	29.5	31.1
29+0	21.8	23.4	25.0	26.5	28.1	29.6	31.2
29+1	22.0	23.5	25.1	26.7	28.2	29.8	31.3
29+2	22.1	23.7	25.2	26.8	28.3	29.9	31.5
29+3	22.2	23.8	25.3	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)



International Newborn Size References for Very Preterm Infants



INTERGROWTH-21st

Weight-Length Ratio (kg/m) Girls



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



INTERGROWTH-21st

Weight-Length Ratio (kg/m) Girls



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)

