

The International Newborn Standards

INTERGROWTH-21st



Length (Boys)



Gestational age (weeks+days)	z scores						
	-3	-2	-1	0	1	2	3
33+0	36.57	39.39	41.70	43.81	45.92	48.27	51.13
33+1	36.80	39.60	41.89	43.98	46.08	48.41	51.25
33+2	37.02	39.80	42.08	44.15	46.24	48.55	51.37
33+3	37.24	40.00	42.27	44.32	46.39	48.69	51.49
33+4	37.45	40.19	42.45	44.49	46.55	48.83	51.61
33+5	37.66	40.39	42.62	44.65	46.70	48.96	51.73
33+6	37.87	40.58	42.80	44.82	46.85	49.10	51.84
34+0	38.08	40.76	42.97	44.98	46.99	49.23	51.96
34+1	38.28	40.95	43.14	45.13	47.14	49.36	52.07
34+2	38.48	41.13	43.31	45.29	47.28	49.49	52.18
34+3	38.67	41.31	43.47	45.44	47.42	49.61	52.29
34+4	38.86	41.48	43.64	45.59	47.56	49.74	52.40
34+5	39.05	41.66	43.80	45.74	47.69	49.86	52.50
34+6	39.24	41.83	43.95	45.88	47.83	49.98	52.61
35+0	39.42	41.99	44.11	46.03	47.96	50.10	52.71
35+1	39.60	42.16	44.26	46.17	48.09	50.22	52.81
35+2	39.78	42.32	44.41	46.31	48.21	50.33	52.91
35+3	39.95	42.48	44.56	46.44	48.34	50.44	53.01
35+4	40.12	42.64	44.70	46.58	48.46	50.56	53.11
35+5	40.29	42.79	44.85	46.71	48.59	50.67	53.20
35+6	40.46	42.95	44.99	46.84	48.71	50.78	53.30
36+0	40.62	43.10	45.13	46.97	48.83	50.88	53.39
36+1	40.78	43.24	45.26	47.10	48.94	50.99	53.49
36+2	40.94	43.39	45.40	47.22	49.06	51.09	53.58
36+3	41.10	43.53	45.53	47.35	49.17	51.20	53.67
36+4	41.25	43.67	45.66	47.47	49.28	51.30	53.75
36+5	41.41	43.81	45.79	47.59	49.39	51.40	53.84
36+6	41.56	43.95	45.92	47.71	49.50	51.50	53.93
37+0	41.70	44.09	46.05	47.82	49.61	51.59	54.01
37+1	41.85	44.22	46.17	47.94	49.72	51.69	54.10
37+2	41.99	44.35	46.29	48.05	49.82	51.78	54.18
37+3	42.13	44.48	46.41	48.16	49.92	51.88	54.26
37+4	42.27	44.61	46.53	48.27	50.03	51.97	54.34
37+5	42.41	44.74	46.65	48.38	50.13	52.06	54.42
37+6	42.54	44.86	46.76	48.49	50.22	52.15	54.50
38+0	42.68	44.98	46.87	48.59	50.32	52.24	54.58
38+1	42.81	45.10	46.99	48.70	50.42	52.33	54.65
38+2	42.94	45.22	47.10	48.80	50.51	52.41	54.73
38+3	43.06	45.34	47.21	48.90	50.61	52.50	54.80

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Gestational age (weeks+days)	z scores						
	-3	-2	-1	0	1	2	3
38+4	43.19	45.45	47.31	49.00	50.70	52.58	54.88
38+5	43.31	45.57	47.42	49.10	50.79	52.66	54.95
38+6	43.44	45.68	47.52	49.19	50.88	52.74	55.02
39+0	43.56	45.79	47.63	49.29	50.97	52.82	55.09
39+1	43.68	45.90	47.73	49.38	51.05	52.90	55.16
39+2	43.79	46.01	47.83	49.48	51.14	52.98	55.23
39+3	43.91	46.11	47.93	49.57	51.22	53.06	55.30
39+4	44.02	46.22	48.02	49.66	51.31	53.13	55.36
39+5	44.13	46.32	48.12	49.75	51.39	53.21	55.43
39+6	44.24	46.42	48.21	49.84	51.47	53.28	55.50
40+0	44.35	46.52	48.31	49.92	51.55	53.36	55.56
40+1	44.46	46.62	48.40	50.01	51.63	53.43	55.62
40+2	44.57	46.72	48.49	50.09	51.71	53.50	55.69
40+3	44.67	46.82	48.58	50.18	51.79	53.57	55.75
40+4	44.78	46.91	48.67	50.26	51.86	53.64	55.81
40+5	44.88	47.01	48.75	50.34	51.94	53.71	55.87
40+6	44.98	47.10	48.84	50.42	52.01	53.78	55.93
41+0	45.08	47.19	48.93	50.50	52.09	53.84	55.99
41+1	45.18	47.28	49.01	50.58	52.16	53.91	56.04
41+2	45.27	47.37	49.09	50.66	52.23	53.97	56.10
41+3	45.37	47.46	49.17	50.73	52.30	54.04	56.16
41+4	45.46	47.54	49.25	50.81	52.37	54.10	56.21
41+5	45.56	47.63	49.33	50.88	52.44	54.16	56.27
41+6	45.65	47.71	49.41	50.95	52.51	54.23	56.32
42+0	45.74	47.80	49.49	51.03	52.57	54.29	56.38
42+1	45.83	47.88	49.57	51.10	52.64	54.35	56.43
42+2	45.92	47.96	49.64	51.17	52.70	54.41	56.48
42+3	46.00	48.04	49.72	51.24	52.77	54.46	56.53
42+4	46.09	48.12	49.79	51.31	52.83	54.52	56.59
42+5	46.17	48.20	49.86	51.37	52.89	54.58	56.64
42+6	46.26	48.28	49.94	51.44	52.96	54.64	56.69