

# The International Newborn Standards

INTERGROWTH-21<sup>st</sup>



## Length (Girls)



Gestational age (weeks+days)	z scores						
	-3	-2	-1	0	1	2	3
33+0	37.18	39.53	41.55	43.39	45.18	47.09	49.31
33+1	37.38	39.72	41.73	43.57	45.35	47.25	49.46
33+2	37.57	39.91	41.91	43.74	45.51	47.41	49.60
33+3	37.76	40.09	42.08	43.90	45.67	47.56	49.75
33+4	37.95	40.27	42.25	44.07	45.83	47.71	49.89
33+5	38.14	40.45	42.42	44.23	45.99	47.86	50.03
33+6	38.32	40.62	42.59	44.39	46.14	48.01	50.17
34+0	38.50	40.79	42.75	44.55	46.29	48.15	50.30
34+1	38.67	40.96	42.91	44.70	46.44	48.29	50.44
34+2	38.84	41.12	43.07	44.85	46.58	48.43	50.57
34+3	39.01	41.28	43.22	45.00	46.73	48.56	50.70
34+4	39.18	41.44	43.38	45.15	46.87	48.70	50.82
34+5	39.34	41.60	43.53	45.29	47.00	48.83	50.95
34+6	39.51	41.75	43.67	45.43	47.14	48.96	51.07
35+0	39.66	41.90	43.82	45.57	47.27	49.09	51.19
35+1	39.82	42.05	43.96	45.71	47.40	49.21	51.31
35+2	39.97	42.20	44.10	45.84	47.53	49.33	51.42
35+3	40.12	42.34	44.24	45.97	47.66	49.45	51.54
35+4	40.27	42.48	44.37	46.10	47.78	49.57	51.65
35+5	40.42	42.62	44.51	46.23	47.90	49.69	51.76
35+6	40.56	42.76	44.64	46.35	48.02	49.80	51.87
36+0	40.70	42.89	44.76	46.48	48.14	49.92	51.97
36+1	40.84	43.02	44.89	46.60	48.26	50.03	52.08
36+2	40.98	43.15	45.02	46.72	48.37	50.14	52.18
36+3	41.11	43.28	45.14	46.84	48.49	50.24	52.28
36+4	41.25	43.41	45.26	46.95	48.60	50.35	52.38
36+5	41.38	43.53	45.38	47.07	48.71	50.45	52.48
36+6	41.50	43.65	45.49	47.18	48.81	50.56	52.58
37+0	41.63	43.77	45.61	47.29	48.92	50.66	52.67
37+1	41.75	43.89	45.72	47.40	49.02	50.75	52.76
37+2	41.88	44.01	45.83	47.50	49.12	50.85	52.86
37+3	42.00	44.12	45.94	47.61	49.22	50.95	52.95
37+4	42.11	44.24	46.05	47.71	49.32	51.04	53.03
37+5	42.23	44.35	46.16	47.81	49.42	51.13	53.12
37+6	42.34	44.45	46.26	47.91	49.52	51.22	53.21
38+0	42.46	44.56	46.36	48.01	49.61	51.31	53.29
38+1	42.57	44.67	46.46	48.11	49.70	51.40	53.37
38+2	42.68	44.77	46.56	48.20	49.79	51.49	53.46
38+3	42.79	44.87	46.66	48.29	49.88	51.57	53.54

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Gestational age (weeks+days)	z scores						
	-3	-2	-1	0	1	2	3
38+4	42.89	44.97	46.76	48.39	49.97	51.66	53.62
38+5	43.00	45.07	46.85	48.48	50.06	51.74	53.69
38+6	43.10	45.17	46.94	48.57	50.14	51.82	53.77
39+0	43.20	45.27	47.04	48.65	50.23	51.90	53.85
39+1	43.30	45.36	47.13	48.74	50.31	51.98	53.92
39+2	43.40	45.46	47.22	48.83	50.39	52.06	53.99
39+3	43.49	45.55	47.30	48.91	50.47	52.14	54.06
39+4	43.59	45.64	47.39	48.99	50.55	52.21	54.14
39+5	43.68	45.73	47.47	49.07	50.63	52.28	54.20
39+6	43.77	45.81	47.56	49.15	50.70	52.36	54.27
40+0	43.87	45.90	47.64	49.23	50.78	52.43	54.34
40+1	43.95	45.99	47.72	49.31	50.85	52.50	54.41
40+2	44.04	46.07	47.80	49.39	50.93	52.57	54.47
40+3	44.13	46.15	47.88	49.46	51.00	52.64	54.54
40+4	44.22	46.23	47.96	49.54	51.07	52.70	54.60
40+5	44.30	46.31	48.03	49.61	51.14	52.77	54.66
40+6	44.38	46.39	48.11	49.68	51.21	52.84	54.72
41+0	44.46	46.47	48.18	49.75	51.28	52.90	54.78
41+1	44.54	46.55	48.26	49.82	51.34	52.96	54.84
41+2	44.62	46.62	48.33	49.89	51.41	53.03	54.90
41+3	44.70	46.69	48.40	49.96	51.47	53.09	54.96
41+4	44.78	46.77	48.47	50.02	51.54	53.15	55.01
41+5	44.86	46.84	48.54	50.09	51.60	53.21	55.07
41+6	44.93	46.91	48.60	50.15	51.66	53.26	55.13
42+0	45.00	46.98	48.67	50.22	51.72	53.32	55.18
42+1	45.08	47.05	48.74	50.28	51.78	53.38	55.23
42+2	45.15	47.12	48.80	50.34	51.84	53.43	55.28
42+3	45.22	47.18	48.86	50.40	51.90	53.49	55.34
42+4	45.29	47.25	48.93	50.46	51.95	53.54	55.39
42+5	45.36	47.31	48.99	50.52	52.01	53.60	55.44
42+6	45.42	47.38	49.05	50.58	52.07	53.65	55.49