

The International Fetal Growth Standards



INTERGROWTH-21st



Femur Length (mm)

Gestational age (exact weeks)	z-scores						
	-3	-2	-1	0	1	2	3
14	8.56	10.08	11.59	13.11	14.63	16.14	17.66
15	11.62	13.19	14.76	16.33	17.90	19.47	21.04
16	14.63	16.24	17.86	19.47	21.09	22.70	24.32
17	17.57	19.23	20.88	22.54	24.20	25.86	27.52
18	20.44	22.14	23.84	25.53	27.23	28.93	30.63
19	23.24	24.98	26.71	28.45	30.19	31.93	33.66
20	25.96	27.74	29.52	31.29	33.07	34.84	36.62
21	28.61	30.43	32.24	34.06	35.87	37.68	39.50
22	31.19	33.04	34.89	36.74	38.60	40.45	42.30
23	33.68	35.57	37.46	39.36	41.25	43.14	45.04
24	36.09	38.02	39.96	41.89	43.83	45.76	47.70
25	38.42	40.40	42.38	44.35	46.33	48.31	50.29
26	40.67	42.69	44.71	46.74	48.76	50.79	52.81
27	42.83	44.90	46.97	49.05	51.12	53.19	55.26
28	44.90	47.03	49.15	51.28	53.40	55.53	57.65
29	46.89	49.07	51.25	53.43	55.61	57.80	59.98
30	48.79	51.03	53.27	55.51	57.75	60.00	62.24
31	50.60	52.91	55.21	57.52	59.82	62.13	64.44
32	52.32	54.69	57.07	59.45	61.82	64.20	66.58
33	53.94	56.39	58.85	61.30	63.75	66.20	68.66
34	55.47	58.00	60.54	63.07	65.61	68.14	70.68
35	56.90	59.52	62.15	64.77	67.40	70.02	72.65
36	58.23	60.95	63.67	66.40	69.12	71.84	74.57
37	59.46	62.29	65.12	67.95	70.77	73.60	76.43
38	60.58	63.52	66.47	69.42	72.36	75.31	78.26
39	61.59	64.67	67.74	70.81	73.89	76.96	80.03
40	62.49	65.71	68.92	72.13	75.35	78.56	81.77