

Standards for Assessing Intrauterine Growth by Gestational Age

Patient name: _____

Date of birth: _____

Birth weight: _____

Gestational age: _____

Birth length: _____

Plot a child's birth weight and length to determine if the child is small, appropriate, or large for gestational age.

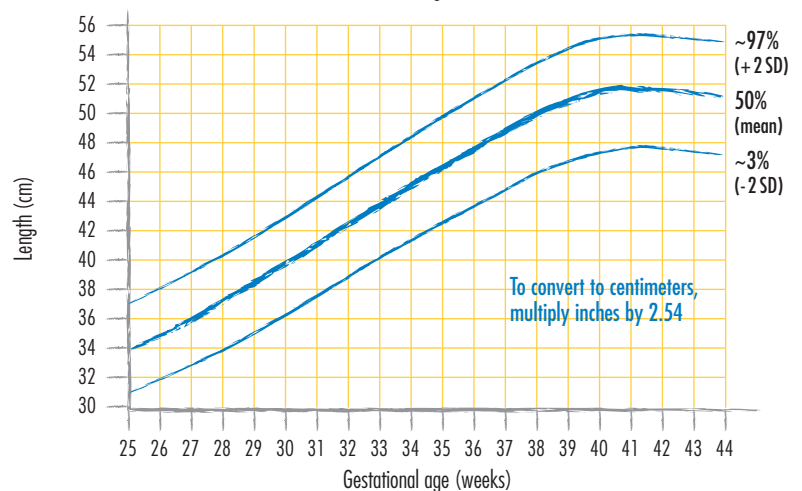
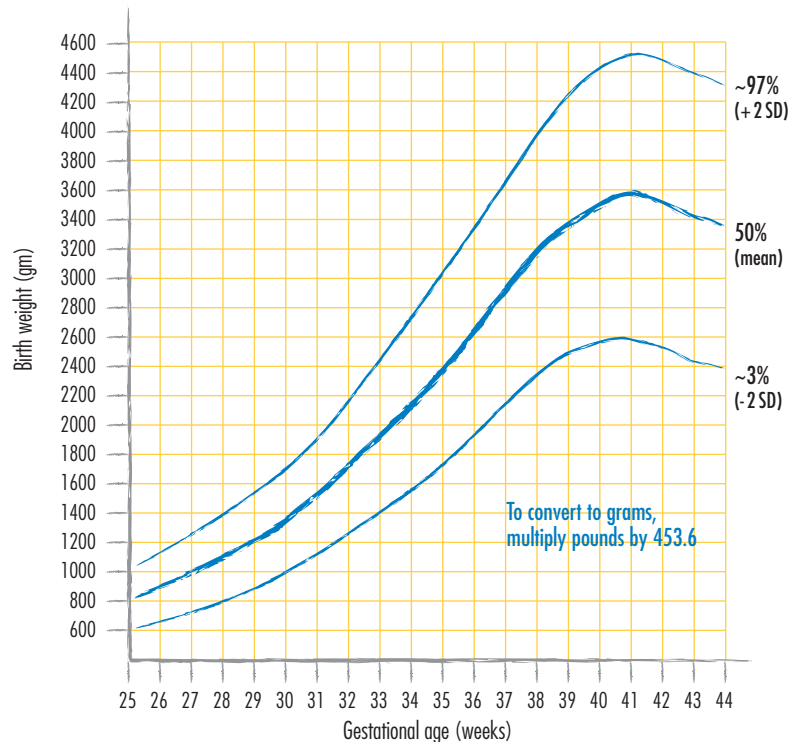
- These birth weight and length data, for newborns at sea level,¹ can be used to assess intrauterine growth by gestational age
- Neonatal and infant risks, as well as postnatal growth patterns, may differ in children born small, appropriate, or large for gestational age¹
 - Thus, it is important to identify what the growth parameters were for each infant, whether term or preterm
- When assessing the growth of a child postnatally, returning to and plotting the neonatal data and understanding whether the child was born small, appropriate, or large for gestational age, may assist in the understanding of the postnatal pattern¹

Small for Gestational Age

Birth weight and/or length less than 2 SD below the mean, adjusted for gestational age.¹

Gestational Age (weeks)	Maximum Birth Weight (gm/lb)	Maximum Birth Length (cm/in)
25	650/1.43	31.6/12.44
26	703/1.55	32.6/12.83
27	746/1.64	33.5/13.19
28	813/1.79	34.5/13.58
29	898/1.98	35.6/14.02
30	1023/2.26	36.6/14.41
31	1140/2.51	37.8/14.88
32	1277/2.82	39.0/15.35
33	1400/3.09	40.3/15.87
34	1553/3.42	41.5/16.34
35	1717/3.79	42.7/16.81
36	1889/4.16	43.8/17.24
37	2118/4.67	45.0/17.72
38	2333/5.14	46.1/18.15
39	2500/5.51	47.0/18.50
40	2560/5.64	47.4/18.66
41	2617/5.77	47.9/18.86
42	2553/5.63	47.7/18.78
43	2446/5.39	47.5/18.70
44	2414/5.32	47.2/18.58

Smoothed curve values (mean ± 2 SD) for birth weight and length against gestational age¹



Reference: 1. Usher R, McLean F. Intrauterine growth of live-born Caucasian infants at sea level: standards obtained from measurements in 7 dimensions of infants born between 25 and 44 weeks of gestation. *J Pediatr.* 1969;74:901-910.