

Supplemental Table 1 Characteristics of the analytic and excluded healthy singleton infants

Characteristics	n	Included, n (%)	Excluded, n (%)
Total number	7074	2268(32.1)	4806(67.9)
Gender			
Male	3468	1126 (49.6)	2342 (48.7)
Female	3606	1142(50.4)	2464 (51.3)
Birth weight			
<4.0kg	6609	2108(92.9)	4501 (93.7)
≥4kg	465	160 (7.1)	305(6.3)
Maternal Age			
>35y	570	176 (7.8)	394 (8.2)
≤35y	6504	2092(92.2)	4412(91.8)
Total number with data at age 2y	1949	1949 (85.9)^a	2282 (47.4)
Total number of overweight and obese at age 2y	751	330 (16.9)	421 (18.4)
Total number of obese at age 2y	99	44 (2.3)	55(2.4)

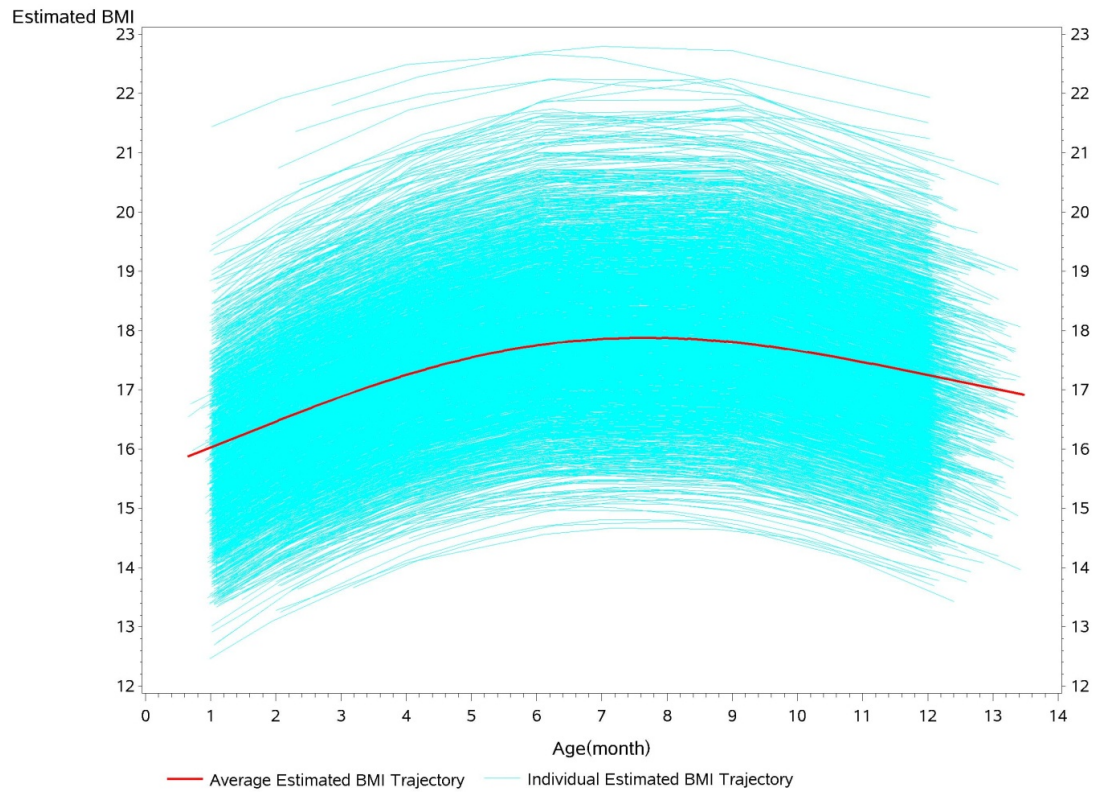
a.P<0.05

Chi-square tests were used to examine the differences between included or excluded group.

Supplemental Table 2: Correlation matrix of infancy BMI characteristics

	Age of BMI Peak, mo	Pre-peak velocities, kg/m2/mo
Magnitude of BMI peak, kg/m2	0.03	0.654**
Age of BMI Peak, mo		0.09**

Significance is noted as: ** $p \leq 0.01$.



Supplemental Figure1 Infant Estimated BMI trajectory by polynomial regression model