Supplemental Table S1 - Sample characteristics by migration status

Characteristic	Full sample	Children of immigrants	Children of natives
Language spoken at home (%)			
English	87.56	39.23	96.06
Other languages	12.44	60.77	3.94
Mother education (%)			
Low	23.53	38.74	20.85
Medium	44.32	28.24	47.13
High	32.17	33.02	32.01
Ethnicity (%)			
White	86.05	37.01	94.67
Asian	8.36	44.31	2.04
Black	2.44	10.00	1.11
Mixed	3.15	8.67	2.18
Sex (%)			
Female	49.33	49.73	49.26
Male	50.67	50.27	50.74
Family type (%)			
Both natural parents	85.01	90.88	83.98
Single mother	14.99	9.12	16.02
Income quartile (%)			
First	23.68	31.44	22.32
Second	24.93	26.37	24.68
Third	25.68	19.12	26.84
Fourth	25.70	23.07	26.17
Mother working status (%)			
Working	50.94	36.03	53.57
Not working	49.06	63.97	46.43
Mother age	29.58	30.29	29.46
Mother BMI before child birth	23.75	23.51	23.79

Supplemental Table S2 - BMI by selected characteristics.

Age	Full sample	Children of immigrants	Children of natives	Language	
				English	Other language
			Female		
3	16.69	16.38	16.74	16.58	16.25
5	16.30	16.08	16.34	16.17	16.02
7	16.66	16.47	16.70	16.66	16.34
11	19.40	19.20	19.44	19.40	19.09
15	21.90	21.70	21.93	21.70	21.70
			Male		
3	17.01	16.63	17.08	16.99	16.39
5	16.40	16.16	16.44	16.52	15.91
7	16.59	16.50	16.60	16.61	16.43
11	18.98	19.11	18.96	18.96	19.21
15	20.89	21.03	20.87	20.94	21.09

Supplemental Table S3 - Proportion of overweight and obese by selected characteristics.

	Females					Males				
	Full sample	**Children of immigrants**	**Children of natives**	**Language**		**Full sample**	**Children of immigrants**	**Children of natives**	**Language**	
				English	Other Languages				English	Other Languages
					Age 3					
Normal	75.83	78.76	75.32	77.96	79.31	76.55	80.56	75.85	77.78	82.44
Overweight	18.66	15.60	19.19	18.01	13.97	18.12	14.32	18.78	16.40	12.90
Obese	5.51	5.63	5.49	4.03	6.72	5.33	5.13	5.37	5.82	4.66
					Age 5					
Normal	76.49	78.30	76.18	77.12	79.09	80.93	82.80	80.61	81.90	83.40
Overweight	17.71	15.57	18.07	17.80	14.07	14.09	11.05	14.60	11.78	10.57
Obese	5.80	6.14	5.74	5.08	6.84	4.99	6.15	4.79	6.32	6.04
					Age 7					
Normal	77.80	76.71	77.98	77.95	75.85	82.52	81.30	82.72	82.50	80.47
Overweight	15.98	15.94	15.98	15.41	16.31	12.52	12.09	12.59	12.19	12.02
Obese	6.22	7.35	6.03	6.65	7.84	4.96	6.62	4.69	5.31	7.51
					Age 11					
Normal	70.85	72.98	70.48	74.85	71.88	74.80	71.97	75.28	75.58	69.61
Overweight	22.47	19.97	22.90	17.28	21.67	19.41	21.12	19.12	19.14	22.41
Obese	6.68	7.04	6.62	7.97	6.46	5.80	6.91	5.61	5.28	7.97
					Age 15					
Normal	73.02	72.93	73.04	74.13	72.23	75.13	71.99	75.71	76.70	68.93
Overweight	19.96	18.52	20.23	20.08	17.61	17.90	19.24	17.65	16.13	21.26
Obese	7.01	8.55	6.73	5.79	10.16	6.98	8.77	6.64	7.17	9.81

Supplemental Table S4 - Growth curve models of body mass index (BMI) (Full table)

Variables	All (1)	Male (2)	Female (3)
Age in years	**-0.2555*** **	**-0.2786*** **	**-0.2308*** **
	(0.0072)	(0.0106)	(0.0100)
Age in years^2	**0.0623*** **	**0.0584*** **	**0.0663*** **
	(0.0006)	(0.0008)	(0.0008)
Children of immigrants	**-0.1349***	**-0.1767***	-0.1111
	(0.0574)	(0.0850)	(0.0741)
Children of immigrants*Age in years	**0.0928*** **	**0.1306*** **	**0.0546***
	(0.0189)	(0.0275)	(0.0257)
Children of immigrants*Age in years^2	**-0.0058*** **	**-0.0070** **	**-0.0046***
	(0.0015)	(0.0022)	(0.0023)
Mother education (reference level - low education)			
Mother education (medium)	-0.0345	0.0594	**-0.1329***
	(0.0402)	(0.0598)	(0.0621)
Mother education (high)	-0.0347	0.0410	-0.1220
	(0.0472)	(0.0662)	(0.0698)
Ethnicity (reference level - white male or white female)			
Asian Male	**-0.7452*** **	**-0.6958*** **	**-0.7452*** **
	(0.0858)	(0.1050)	(0.0858)
Black male	0.1429	0.1633	0.1429
	(0.1365)	(0.1703)	(0.1365)
Mixed male	-0.0792	-0.0530	-0.0792
	(0.1233)	(0.1511)	(0.1233)
White female	**-0.2996*** **		
	(0.0314)		
Asian female	**-0.8813*** **		**-0.5948*** **
	(0.0858)		(0.1019)
Black female	-0.0066		0.2562
	(0.1427)		(0.1798)
Mixed female	-0.1956		0.1078
	(0.1177)		(0.1629)
Mother age	**-0.0076** **	-0.0053	**-0.0101***
	(0.0028)	(0.0042)	(0.0040)
Family type (reference level - both natural parents)			
Single natural mother	0.0703	0.0868	0.0548
	(0.0497)	(0.0765)	(0.0733)
Natural mothers BMI before CM born	**0.0700*** **	**0.0727*** **	**0.0660*** **
	(0.0033)	(0.0056)	(0.0057)
Household income (reference level - 1st income quartile)			
2nd income quartile	**-0.1094***	-0.0987	-0.1198
	(0.0474)	(0.0742)	(0.0710)
3rd income quartile	-0.0193	-0.0493	0.0180
	(0.0536)	(0.0825)	(0.0800)
4th income quartile	**-0.1289***	**-0.1807***	-0.0598
	(0.0582)	(0.0870)	(0.0826)
Mother working (dummy)	0.0527	0.0519	0.0562

	(0.0341)	(0.0485)	(0.0457)
Constant	**15.5618*** **	**15.3852*** **	**15.4763*** **
	(0.1139)	(0.1823)	(0.1717)
sd(yearage)	**0.4872*** **	**0.4961*** **	**0.4760*** **
	(0.0079)	(0.0370)	(0.0280)
sd(yearage^2)	**0.0330*** **	**0.0319*** **	**0.0335*** **
	(0.0008)	(0.0030)	(0.0025)
sd(constant)	**1.5055*** **	**1.5830*** **	**1.4215*** **
	(0.0158)	(0.0979)	(0.0677)
corr(yearage, yearage^2)	**-0.7132*** **	**-0.7465*** **	**-0.6988*** **
	(0.0110)	(0.0414)	(0.0383)
corr(yearage, constant)	**-0.2495*** **	**-0.3691*** **	-0.1098
	(0.0167)	(0.0857)	(0.0908)
corr(yearage^2, constant)	**0.3271*** **	**0.4371*** **	**0.2208***
	(0.0186)	(0.0872)	(0.0836)
sd(Residual)	**1.2122*** **	**1.2688*** **	**1.1526*** **
	(0.0062)	(0.0418)	(0.0321)
N Observations	55,112	27,725	27,387
N Individuals	13,558	6,870	6,688

Note: Standard errors clustered at household level in parenthesis, *** p<0.01, ** p<0.05, * p<0.1.
Base control categories: Age at 2004 survey, children of natives, speaking English at home, lower education, white male (all model), white male (male model), white female (female model), couple, 1st income quartile, mother not at work.