

Supplementary Tables**Supplementary Table 1.** Distribution of the Hollingshead's index by early life characteristics in two generations from the Uppsala Multi-generational Birth Cohort, Sweden

Early life Characteristics	Generation 1			Generation 2		
	Median	Mean	SD	Median	Mean	SD
Family socioeconomic position						
High	65.2	56.5	23.3	45.4	46.1	24.8
Medium	31.8	31.6	24.0	31.8	35.2	24.0
Low	21.2	26.2	23.5	27.3	32.4	23.4
Mother's marital status						
Married	33.3	32.1	25.3	37.9	39.0	24.9
Unmarried	21.2	26.2	23.3	25.7	31.10	23.5
Mother's parity						
1	42.4	34.6	25.3	39.4	40.5	25.3
2	33.3	32.4	25.4	34.8	37.8	24.5
≥ 3	21.1	26.9	24.02	28.8	33.5	23.8
Birth weight (standardized)						
SGA	22.0	28.5	24.5	33.3	36.6	24.9
Normal	33.3	31.5	25.1	34.8	38.2	24.9
LGA	28.8	30.5	25.1	37.9	39.8	24.8
Length of gestation						
Pre-term (≤36 weeks)	31.8	30.3	25.1	34.8	36.7	25.2
Term (37-41 weeks)	33.3	31.6	25.1	37.9	38.6	24.9
Post-term (≥42 weeks)	21.2	28.6	25.0	33.3	36.1	24.7
Multiplicity of birth						
Singleton	31.8	31.2	25.1	34.8	38.3	24.9
Twin/triplet	21.2	28.4	25.4	28.8	32.5	24.1
Mother's age at birth						
<20	21.2	27.7	23.2	28.8	32.5	23.3
20-24	31.8	29.3	24.5	33.3	36.1	24.6

25-29	33.3	32.2	25.5	39.4	40.1	25.1
30-34	33.3	33.2	25.2	39.4	41.0	24.8
≥35 years	31.8	30.5	25.3	37.9	39.6	25.3

Note: SD=Standard Deviation; SGA = Small for Gestational Age; LGA = Large for Gestational Age

Supplementary Table 2. Generational differences in the associations between early life characteristics and the dichotomized Hollingshead Index, the Uppsala Multi-generational Birth Cohort, Sweden (n=16 288)

Early life Characteristics ^a	Model 1 ^b			Model 2 ^c		
	Generation 1	Generation 2	Difference in association	Generation 1	Generation 2	Difference in association
	OR (95% CI) ^e	OR (95% CI) ^e	OR ^{change} (95% CI) ^d	OR (95% CI) ^e	OR (95% CI) ^e	OR ^{change} (95% CI) ^d
Family socioeconomic position						
High	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Medium	6.89 (5.72, 8.29)	2.26 (1.91, 2.66)	0.33 (0.26, 0.42)	6.85 (5.69, 8.25)	2.26 (1.92, 2.67)	0.33 (0.26, 0.42)
Low	10.26 (8.52, 12.35)	2.72 (2.35, 3.14)	0.26 (0.21, 0.33)	9.52 (7.88, 11.48)	2.70 (2.34, 3.12)	0.28 (0.22, 0.36)
P-value for heterogeneity ^f			0.001			0.001
Mother's marital status						
Married	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Unmarried	1.68 (1.49, 1.90)	1.82 (1.48, 2.25)	1.08 (0.85, 1.38)	1.15 (1.01, 1.31)	1.80 (1.45, 2.23)	1.57 (1.22, 2.02)
Mother's parity						
1	1.00	1.00	1.00	1.00	1.00	1.00
2	1.18 (1.07, 1.31)	1.35 (1.20, 1.51)	1.14 (0.98, 1.33)	1.44 (1.29, 1.62)	1.52 (1.34, 1.72)	1.05 (0.89, 1.23)
≥ 3	1.93 (1.75, 2.13)	1.94 (1.65, 2.28)	1.01 (0.83, 1.21)	2.76 (2.45, 3.12)	2.24 (1.89, 2.65)	0.81 (0.67, 0.99)
P-value for heterogeneity ^f			0.215			0.041
Birth weight (standardized)						
SGA	1.33 (1.13, 1.55)	1.08 (0.90, 1.30)	0.81 (0.64, 1.04)	1.37 (1.16, 1.63)	1.09 (0.89, 1.32)	0.79 (0.61, 1.02)
Normal	1.00	1.00	1.00	1.00	1.00	1.00
LGA	1.11 (0.97, 1.28)	0.93 (0.77, 1.12)	0.83 (0.66, 1.05)	1.04 (0.89, 1.20)	0.85 (0.70, 1.03)	0.82 (0.64, 1.04)

P-value for heterogeneity ^f			0.096			0.068
Length of gestation						
Pre-term (≤36 weeks)	1.03 (0.87, 1.22)	1.16 (0.90, 1.48)	1.12 (0.83, 1.51)	0.93 (0.78, 1.12)	1.11 (0.86, 1.44)	1.19 (0.88, 1.63)
Term (37-41 weeks)	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Post-term (≥42 weeks)	1.23 (1.08, 1.41)	1.17 (0.98, 1.40)	0.95 (0.76, 1.19)	1.18 (1.02, 1.36)	1.10 (0.92, 1.31)	0.93 (0.74, 1.17)
P-value for heterogeneity ^f			0.671			0.416
Multiplicity of birth						
Singleton	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Twin/triplet	1.51 (1.07, 2.13)	1.78 (1.04, 3.06)	1.18 (0.62, 2.25)	1.59 (1.10, 2.29)	1.67 (0.92, 3.04)	1.05 (0.53, 2.10)
Mother's age at birth						
<20	1.55 (1.24, 1.95)	1.63 (1.29, 2.06)	1.05 (0.76, 1.45)	1.09 (0.86, 1.38)	1.43 (1.10, 1.85)	1.31 (0.93, 1.85)
20-24	1.26 (1.12, 1.41)	1.19 (1.06, 1.36)	0.95 (0.80, 1.13)	1.07 (0.95, 1.21)	1.10 (0.95, 1.27)	1.03 (0.85, 1.23)
25-29	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
30-34	0.94 (0.83, 1.05)	0.94 (0.81, 1.10)	1.00 (0.83, 1.22)	0.98 (0.87, 1.11)	0.93 (0.78, 1.10)	0.95 (0.77, 1.16)
≥35 years	1.13 (0.99, 1.28)	1.13 (0.85, 1.48)	1.00 (0.74, 1.35)	1.20 (1.06, 1.36)	1.13 (0.83, 1.53)	0.94 (0.68, 1.30)
P-value for heterogeneity ^f			0.962			0.510

Note: OR = Odds Ratio; CI = Confidence Interval; SGA = Small for Gestational Age; LGA = Large for Gestational Age

^aEach exposure represents a separate logistic regression model.

^bModel 1 statistically adjusted for year of birth (gender was also adjusted for to estimate the effect of length of gestation).

^cModel 2 additionally adjusted for different sets of confounders for different exposures. The associations with family socioeconomic position and mother's marital status were estimated by adjusting for each other. The association with mother's parity was estimated by adjusting for family socioeconomic position, multiplicity of birth, mother's marital status and mother's age at child birth. The associations with

standardized birth weight, length of gestation and multiplicity of births were estimated by adjusting for all exposures. The association with mother's age at birth was adjusted for family socioeconomic position and mother's marital status. An exposure*generation interaction term was fitted in all models to assess if the associations vary by generation. Since a significant interaction between family socioeconomic position and generation was detected in Model 1, this interaction was adjusted for in Model 2 when appropriate.

^dObtained from logistic regression models by fitting an interaction term of exposure*generation

^eObtained in post-estimation from the fitted logistic regression models

^fP-value obtained by Wald test to test overall significance of a variable with more than two categories

Supplementary Table 3. Generational differences in the associations between early life characteristics and low educational attainment, the Uppsala Multi-generational Birth Cohort, Sweden (n=16 288)

Early life Characteristics ^a	Model 1 ^b			Model 2 ^c		
	Generation 1	Generation 2	Difference in association	Generation 1	Generation 2	Difference in association
	OR (95% CI) ^e	OR (95% CI) ^e	OR ^{change} (95% CI) ^d	OR (95% CI) ^e	OR (95% CI) ^e	OR ^{change} (95% CI) ^d
Family socioeconomic position						
High	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Medium	9.09 (7.59, 10.87)	1.98 (1.67, 2.34)	0.22 (0.17, 0.28)	9.00 (5.69, 8.25)	1.99 (1.68, 2.36)	0.22 (0.17, 0.28)
Low	16.36 (13.52, 19.79)	2.54 (2.19, 2.94)	0.16 (0.12, 0.20)	14.58 (12.03, 17.67)	2.52 (2.18, 2.91)	0.17 (0.14, 0.22)
P-value for heterogeneity ^f			0.001			0.001
Mother's marital status						
Married	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Unmarried	2.42 (1.93, 3.02)	1.99 (1.57, 2.51)	0.82 (0.59, 1.13)	1.20 (0.94, 1.54)	1.95 (1.54, 2.47)	1.62 (1.15, 2.29)
Mother's parity						
1	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
2	1.14 (0.98, 1.33)	1.30 (1.15, 1.47)	1.14 (0.94, 1.38)	1.37 (1.16, 1.62)	1.49 (1.31, 1.70)	1.09 (0.88, 1.34)
≥ 3	1.97 (1.69, 2.31)	1.80 (1.53, 2.13)	0.91 (0.73, 1.15)	2.59 (2.16, 3.10)	2.10 (1.76, 2.51)	0.81 (0.64, 1.04)
P-value for heterogeneity ^f			0.163			0.076
Birth weight (standardized)						
SGA	1.83 (1.38, 2.45)	1.27 (1.04, 1.55)	0.69 (0.49, 0.98)	2.05 (1.52, 2.77)	1.29 (1.05, 1.59)	0.63 (0.44, 0.91)
Normal	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
LGA	1.06 (0.85, 1.30)	1.01 (0.83, 1.23)	0.96 (0.72, 1.27)	0.99 (0.79, 1.25)	0.93 (0.76, 1.14)	0.94 (0.69, 1.27)

P-value for heterogeneity ^f			0.115			0.046
Length of gestation						
Pre-term (≤ 36 weeks)	1.20 (0.92, 1.58)	1.04 (0.80, 1.34)	0.86 (0.59, 1.26)	1.08 (0.82, 1.44)	1.02 (0.78, 1.33)	0.94 (0.64, 1.38)
Term (37-41 weeks)	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Post-term (≥ 42 weeks)	1.32 (1.07, 1.62)	1.21 (1.01, 1.46)	0.92 (0.69, 1.21)	1.27 (1.02, 1.59)	1.13 (0.93, 1.37)	0.89 (0.66, 1.19)
P-value for heterogeneity ^f			0.645			0.709
Multiplicity of birth						
Singleton	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Twin/triplet	1.05 (0.66, 1.67)	1.37 (0.81, 2.30)	1.30 (0.65, 2.62)	1.01 (0.63, 1.61)	1.16 (0.65, 2.07)	1.15 (0.55, 2.40)
Mother's age at birth						
<20	2.95 (1.87, 4.64)	1.99 (1.53, 2.59)	0.67 (0.40, 1.14)	1.82 (1.16, 2.87)	1.67 (1.25, 2.24)	0.92 (0.54, 1.56)
20-24	1.51 (1.26, 1.80)	1.25 (1.09, 1.43)	0.83 (0.66, 1.04)	1.23 (1.03, 1.46)	1.13 (0.98, 1.32)	0.92 (0.73, 1.16)
25-29	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
30-34	1.02 (0.86, 1.21)	0.95 (0.81, 1.12)	0.93 (0.74, 1.18)	1.08 (0.92, 1.28)	0.93 (0.78, 1.12)	0.86 (0.68, 1.10)
≥ 35 years	1.12 (0.93, 1.35)	1.10 (0.83, 1.45)	0.98 (0.70, 1.36)	1.19 (0.99, 1.43)	1.09 (0.81, 1.48)	0.92 (0.65, 1.31)
P-value for heterogeneity ^f			0.396			0.396

Note: OR = Odds Ratio; CI = Confidence Interval; SGA = Small for Gestational Age; LGA = Large for Gestational Age

^aEach exposure represents a separate logistic regression model.

^bModel 1 statistically adjusted for year of birth (gender was also adjusted for to estimate the effect of length of gestation).

^cModel 2 additionally adjusted for different sets of confounders for different exposures. The associations with family socioeconomic position and mother's marital status were estimated by adjusting for each other. The association with mother's parity was estimated by adjusting for family socioeconomic position, multiplicity of birth, mother's marital status and mother's age at child birth. The associations with

standardized birth weight, length of gestation and multiplicity of births were estimated by adjusting for all exposures. The association with mother's age at birth was adjusted for family socioeconomic position and mother's marital status. An exposure*generation interaction term was fitted in all models to assess if the associations vary by generation. Since a significant interaction between family socioeconomic position and generation was detected in Model 1, this interaction was adjusted for in Model 2 when appropriate.

^dObtained from logistic regression models by fitting an interaction term of exposure*generation

^eObtained in post-estimation from the fitted logistic regression models

^fP-value obtained by Wald test to test overall significance of a variable with more than two categories

Supplementary Table 4. Generational differences in the associations between early life characteristics and disadvantaged occupation, the Uppsala Multi-generational Birth Cohort, Sweden (n=16 288)

Early life Characteristics ^a	Model 1 ^b			Model 2 ^c		
	Generation 1	Generation 2	Difference in association	Generation 1	Generation 2	Difference in association
	OR (95% CI) ^e	OR (95% CI) ^e	OR ^{change} (95% CI) ^d	OR (95% CI) ^e	OR (95% CI) ^e	OR ^{change} (95% CI) ^d
Family socioeconomic position						
High	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Medium	5.91 (4.86, 7.20)	2.11 (1.79, 2.48)	0.36 (0.28, 0.45)	5.89 (4.84, 7.17)	2.11 (1.79, 2.48)	0.36 (0.28, 0.46)
Low	7.16 (5.89, 8.70)	2.46 (2.13, 2.83)	0.34 (0.27, 0.44)	6.79 (5.57, 8.27)	2.45 (2.12, 2.82)	0.36 (0.28, 0.46)
P-value for heterogeneity ^f			0.001			0.001
Mother's marital status						
Married	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Unmarried	1.38 (1.24, 1.54)	1.65 (1.34, 2.03)	1.20 (0.95, 1.51)	1.09 (0.97, 1.23)	1.62 (1.31, 2.01)	1.49 (1.17, 1.90)
Mother's parity						
1	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
2	1.16 (1.05, 1.29)	1.31 (1.16, 1.49)	1.13 (0.96, 1.33)	1.35 (1.21, 1.50)	1.43 (1.26, 1.62)	1.06 (0.90, 1.24)
≥ 3	1.71 (1.56, 1.87)	1.86 (1.59, 2.18)	1.09 (0.91, 1.31)	2.21 (1.97, 2.47)	2.04 (1.72, 2.42)	0.92 (0.76, 1.12)
P-value for heterogeneity ^f			0.280			0.431
Birth weight (standardized)						
SGA	1.18 (1.03, 1.36)	1.05 (0.87, 1.27)	0.89 (0.71, 1.12)	1.21 (1.03, 1.40)	1.06 (0.87, 1.29)	0.88 (0.69, 1.13)
Normal	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
LGA	1.11 (0.98, 1.27)	0.88 (0.74, 1.06)	0.79 (0.63, 0.99)	1.04 (0.91, 1.20)	0.82 (0.76, 0.99)	0.78 (0.62, 0.99)

P-value for heterogeneity ^f			0.107			0.046
Length of gestation						
Pre-term (≤ 36 weeks)	1.03 (0.88, 1.20)	1.06 (0.84, 1.35)	1.03 (0.77, 1.37)	0.96 (0.82, 1.13)	1.04 (0.81, 1.33)	1.08 (0.80, 1.45)
Term (37-41 weeks)	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Post-term (≥ 42 weeks)	1.18 (1.05, 1.33)	1.22 (1.02, 1.45)	1.03 (0.83, 1.28)	1.13 (1.00, 1.29)	1.15 (0.96, 1.39)	1.02 (0.81, 1.27)
P-value for heterogeneity ^f			0.940			0.871
Multiplicity of birth						
Singleton	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Twin/triplet	1.33 (1.04, 1.72)	1.85 (1.10, 3.10)	1.39 (0.78, 2.46)	1.38 (1.02, 1.87)	1.78 (0.97, 3.26)	1.29 (0.66, 2.52)
Mother's age at birth						
<20	1.16 (0.95, 1.42)	1.54 (1.23, 1.93)	1.33 (0.98, 1.79)	0.90 (0.73, 1.11)	1.39 (1.08, 1.78)	1.54 (1.11, 2.12)
20-24	1.13 (1.01, 1.25)	1.25 (1.09, 1.43)	1.11 (0.93, 1.31)	1.00 (0.90, 1.12)	1.17 (1.02, 1.35)	1.17 (0.98, 1.39)
25-29	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
30-34	0.93 (0.83, 1.04)	1.02 (0.87, 1.20)	1.10 (0.90, 1.33)	0.96 (0.86, 1.08)	1.02 (0.86, 1.20)	1.06 (0.86, 1.30)
≥ 35 years	1.10 (0.98, 1.24)	1.21 (0.91, 1.60)	1.09 (0.81, 1.49)	1.15 (1.02, 1.29)	1.22 (0.90, 1.65)	1.06 (0.77, 1.47)
P-value for heterogeneity ^f			0.420			0.097

Note: OR = Odds Ratio; CI = Confidence Interval; SGA = Small for Gestational Age; LGA = Large for Gestational Age

^aEach exposure represents a separate logistic regression model.

^bModel 1 statistically adjusted for year of birth (gender was also adjusted for to estimate the effect of length of gestation).

^cModel 2 additionally adjusted for different sets of confounders for different exposures. The associations with family socioeconomic position and mother's marital status were estimated by adjusting for each other. The association with mother's parity was estimated by adjusting for family socioeconomic position, multiplicity of birth, mother's marital status and mother's age at child birth. The associations with

standardized birth weight, length of gestation and multiplicity of births were estimated by adjusting for all exposures. The association with mother's age at birth was adjusted for family socioeconomic position and mother's marital status. An exposure*generation interaction term was fitted in all models to assess if the associations vary by generation. Since a significant interaction between family socioeconomic position and generation was detected in Model 1, this interaction was adjusted for in Model 2 when appropriate.

^dObtained from logistic regression models by fitting an interaction term of exposure*generation

^eObtained in post-estimation from the fitted logistic regression models

^fP-value obtained by Wald test to test overall significance of a variable with more than two categories

Supplementary Table 5. Sensitivity analysis of the generational differences in the associations between early life characteristics and adult socioeconomic position measured by Hollingshead Index, using a restricted sample of generation 2 born in 1945-1960.

Early life Characteristics ^a	Model 1 ^b			Model 2 ^c		
	Generation 1	Generation 2	Difference in association	Generation 1	Generation 2	Difference in association
	β (95% CI) ^e	β (95% CI) ^e	β change (95% CI) ^d	β (95% CI) ^e	β (95% CI) ^e	β change (95% CI) ^d
Family socioeconomic position						
High	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Medium	-25.0 (-26.8, -23.1)	-11.4 (-13.4, -9.4)	13.6 (10.8, 16.3) ^g	-24.9 (-26.8, -23.0)	-11.4 (-13.4, -9.4)	13.5 (10.7, 16.2) ^g
Low	-30.3 (-32.1, -28.4)	-13.6 (-15.3, -11.9)	16.7 (14.2, 19.2) ^g	-29.6 (-31.5, -27.7)	-13.5 (-15.2, -11.8)	16.1 (13.5, 18.6) ^g
P-value for heterogeneity ^f			0.001			0.001
Mother's marital status						
Married	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Unmarried	-5.9 (-7.2, -4.7)	-7.5 (-9.9, -5.1)	-1.6 (-4.3, 1.2) ^g	-1.0 (-2.4, 0.3)	-6.9 (-9.3, -4.6)	-5.9 (-8.6, -3.2) ^g
Mother's parity						
1	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
2	-2.1 (-3.4, -0.9)	-3.5 (-4.9, -2.1)	-1.4 (-3.2, 0.5)	-4.2 (-5.4, -3.0)	-4.6 (-6.0, -3.2)	-0.4 (-2.1, 1.4)
≥ 3	-7.7 (-8.8, -6.6)	-8.4 (-10.2, -6.5)	-0.7 (-2.8, 1.5)	-11.3 (-12.6, -10.1)	-9.6 (-11.4, -7.5)	1.7 (-0.4, 3.8)
P-value for heterogeneity ^f			0.382			0.138
Birth weight (standardized)						
SGA	-2.9 (-4.7, -1.2)	-0.8 ^g (-3.2, 1.5)	2.1 (-0.8, 5.0)	-3.0 (-4.6, -1.4)	-0.8 ^g (-3.0, 1.4)	2.2 (-0.5, 5.0)
Normal	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
LGA	-1.0 (-2.6, 0.7)	0.4 (-1.9, 2.7)	1.4 (-1.4, 4.2)	-0.1 (-1.6, 1.5)	1.8 (0.4, 3.9)	1.7 (-0.8, 4.5)

P-value for heterogeneity ^f			0.261			0.138
Length of gestation						
Pre-term (≤ 36 weeks)	-1.2 (-3.1, 0.8)	-1.3 (-4.6, 2.0)	-0.1 (-4.0, 3.7)	-0.2 (-2.0, 1.7)	-1.2 (-4.3, 1.9)	-1.0 (-4.6, 2.6)
Term (37-41 weeks)	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Post-term (≥ 42 weeks)	-3.1 (-4.6, -1.6)	-2.7 (-4.8, -0.5)	0.4 (-2.2, 3.0)	-2.3 (-3.7, -0.9)	-1.8 (-3.8, 0.2)	0.5 (-1.9, 2.9)
P-value for heterogeneity ^f			0.946			0.779
Multiplicity of birth						
Singleton	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Twin/triplet	-2.8 (-6.6, 1.0)	-6.0 (-12.1, -0.0)	-3.2 (-10.3, 3.9)	-2.7 (-6.1, 0.7)	-3.9 (-9.8, 2.0)	-1.2 (-7.9, 5.6)
Mother's age at birth						
<20	-4.6 (-6.9, -2.2)	-6.5 (-9.3, -3.7)	-1.9 (-5.6, 1.7)	0.2 (-2.2, 2.6)	-5.2 (-7.9, -2.4)	-5.4 (-9.0, -1.8)
20-24	-2.9 (-4.2, -1.6)	-3.6 (-5.3, -2.0)	-0.7 (-2.8, 1.4)	-0.5 (-1.8, -0.7)	-2.8 (-4.4, -1.1)	-2.3 (-4.3, -0.1)
25-29	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
30-34	1.0 (-0.4, 2.5)	0.8 (-1.1, 2.7)	-0.2 (-2.6, 2.2)	0.2 (-1.1, 1.6)	0.9 (-0.9, 2.7)	0.7 (-1.6, 3.0)
≥ 35 years	-1.7 (-3.2, -0.2)	-0.7 (-4.1, 2.6)	1.0 (-2.7, 4.6)	-2.5 (-3.9, -1.1)	-0.6 (-3.9, 2.6)	1.9 (-1.7, 5.5)
P-value for heterogeneity ^f			0.771			0.004

β =Beta coefficient; CI=Confidence Interval; SGA=Small for Gestational Age; LGA=Large for Gestational Age; Ref.=Reference group

^aEach exposure represents a separate linear regression model.

^bModel 1 statistically adjusted for year of birth (gender was also adjusted for to estimate the effect of length of gestation).

^cModel 2 additionally adjusted for different sets of confounders for different exposures. The associations with family socioeconomic position and mother's marital status were estimated by adjusting for each other. The association with mother's parity was estimated by adjusting for family socioeconomic position, multiplicity of birth, mother's marital status and mother's age at child birth. The associations with standardized birth weight, length of gestation and multiplicity of births were estimated by adjusting for all exposures. The association with mother's age at birth was adjusted for family socioeconomic position and mother's marital status. An exposure*generation interaction term was fitted in all models to assess if the associations vary by generation. Since a significant interaction between family socioeconomic position and generation was detected in Model 1, this interaction was adjusted for in Model 2 when appropriate.

^dObtained from linear regression models by fitting an interaction term of exposure*generation

^eObtained in post-estimation from the fitted linear regression models

^fP-value obtained by Wald test to test overall significance of a variable with more than two categories

Supplementary Table 6. Distribution of early life and adult social characteristics of generation 2 by parents' place of residence, the Uppsala Multi-generational Birth Cohort, Sweden

Social Characteristics	Generation 2		P-value*
	In Uppsala (N=8065)	Outside Uppsala (N=9815)	
	%	%	
Family socioeconomic position at birth			
High	38.5	50.2	0.001
Medium	23.4	19.0	
Low	38.1	30.8	
Parental education			
High (more than senior high school)	7.1	16.2	0.001
Low (senior high school or less)	92.9	83.8	
Own education			
High (more than senior high school)	28.4	37.2	0.001
Low (senior high school or less)	71.6	62.8	
Own occupation			
Advantaged	30.3	36.8	0.001
Disadvantaged	69.7	63.2	
HISP (mean)	38.6	43.4	0.001

Note: HISP=Hollingshead's Index of Social Position

*P-values for categorical variables were obtained from chi-square test and the p-value for HISP was obtained from t-test