

SUPPLEMENTAL TABLES AND FIGURES FOR KRIEGER ET AL: Tables S1-S3, Figures S1-S2

Table S1. Cut-points for income data (in 2010 CPI-UR-S adjusted dollars) for mid-point of each survey: US National Health Examination Survey (NHES) I (1959-1962) through US National Health and Nutrition Examination Survey (NHANES) 2005-2008.

Table S2. Health outcomes among US-born black non-Hispanic and white non-Hispanic adults age 25-74, overall and by family income percentile, risk of poverty, and education, for body mass index (BMI), waist circumference, systolic blood pressure, and serum cholesterol: US National Health Examination Survey (NHES) I (1959-1962) through US National Health and Nutrition Examination Survey (NHANES) 2005-2008.

Table S3. Height (boys and girls, age 6-8) and age at menarche (girls only) among US-born black non-Hispanic and white non-Hispanic children age 6-17, by family income percentile and risk of poverty: US National Health Examination Survey (NHES) II (1963-1965) through US National Health and Nutrition Examination Survey (NHANES) 2005-2008.

Figure S1. Risk of poverty and body build, cardiovascular, and child development outcomes for black and white non-Hispanic participants (adults 25-74; children 6-17), National Health and Examination Survey I (1959-1962) through National Health and Nutrition Examination Survey 2005-2008: on-average values for, and mean difference between, persons in households at risk of poverty and at twice the risk of poverty adjusted for age and gender).

Figure S2. Black vs white difference for body build, cardiovascular, and child development outcomes for black and white non-Hispanic participants (adults 25-74; children 6-17), National Health and Examination Survey I (1959-1962) through National Health and Nutrition Examination Survey 2005-2008: overall (adjusted for age and gender) and additionally adjusted for risk of poverty.

Table S1. Cut-points for income data (in 2010 CPI-UR-S adjusted dollars) for mid-point of each survey: US National Health Examination Survey (NHES) I (1959-1962) through US National Health and Nutrition Examination Survey (NHANES) 2005-2008.

	NHES I	NHES II	NHES III	NHANES I	NHANES II	NHANES III		NHANES			NHANES		
	(1959-1962)	(1963-1965)	(1966-1970)	(1971-1975)	(1976-1980)	(1988-1994)	Phase I	Phase II	NHANES	NHANES	NHANES	NHANES	NHANES
							(1989-1991)	(1991-1994)	1999-2000	2001-2002	2003-2004	2005-2006	2007-2008
Survey mid-point	1961	1964.5	1968	1972.5	1978		1990	1993	2000	2002	2004	2006	2008
US family income level (in 2010 CPI-UR-S adjusted dollars): percentile cut-points													
20th percentile	\$ 28152	\$ 29198	\$ 28594	\$ 29087	\$ 30387	\$ 25215	\$ 27243	\$ 27014	\$ 26415	\$ 24957	\$ 20580	\$ 17860	
50th percentile	\$ 62299	\$ 63161	\$ 62402	\$ 62634	\$ 64232	\$ 54915	\$ 57172	\$ 54103	\$ 52335	\$ 47409	\$ 41241	\$ 36581	
80th percentile	\$ 114637	\$ 118034	\$ 115429	114493	\$ 115690	\$ 99246	\$ 99440	\$ 88331	\$ 83613	\$ 73597	\$ 64033	\$ 57630	
at risk of poverty^a	\$ 37380	\$ 37896	\$ 37441	\$ 37580	\$ 38539	\$ 32949	\$ 34303	\$ 32462	\$ 31401	\$ 28446	\$ 24745	\$ 21948	
above 2x the risk of poverty	\$ 74759	\$ 75793	\$ 74882	\$ 75161	\$ 77079	\$ 65898	\$ 68606	\$ 64923	\$ 62802	\$ 56891	\$ 49489	\$ 43897	
Comparison to US poverty data:													
US poverty line^b	\$ 18,969	\$ 19,081	\$ 19,102	\$ 19,458	\$ 20,436	\$ 21,616	\$ 21,936	\$ 22,283	\$ 22,293	\$ 22,294	\$ 22,285	\$ 22,292	
Ratio of “at risk of poverty” line (<60% median family income) to US poverty line for families	1.97	1.99	1.96	1.93	1.89	1.52	1.56	1.46	1.41	1.28	1.11	0.98	
US poverty rate for families^c (%)	18.1	14.4	10.0	9.0	9.1	10.7	12.3	8.7	9.6	10.2	9.8	10.3	

Note:

^a “at risk of poverty” defined as <60% of median family income (per European Union criteria^{22,27})

^b US poverty line: weighted average threshold for a family of 4, in 2010 CPI-UR-S adjusted dollars²⁵

^c US poverty rate for families²⁵

Table S2. Health outcomes among US-born black non-Hispanic and white non-Hispanic adults age 25-74, overall and by family income percentile, risk of poverty, and education, for body mass index (BMI), waist circumference, systolic blood pressure, and serum cholesterol: US National Health Examination Survey (NHES) I (1959-1962) through US National Health and Nutrition Examination Survey (NHANES) 2005-2008.

Health outcome	Race/ ethnicity	Income and education	NHES I (1959- 1962)	NHANES I (1971-1975)	NHANES II (1976-1980)	NHANES III (1988-1994)	NHANES (1999-2004)	NHANES (2005-2008)
			mean (SD)	mean (SD)	mean (SD)	mean (SD)	mean (SD)	mean (SD)
Body mass index (BMI) (kg/m²)	US-born black (non-Hispanic)	<i>Income level</i>						
		20 th percentile	26.67 (0.46)	27.43 (0.37)	27.63 (0.54)	28.15 (0.30)	30.71 (0.30)	31.28 (0.50)
		50 th percentile	26.53 (0.29)	27.26 (0.30)	27.31 (0.36)	28.10 (0.21)	30.62 (0.23)	31.22 (0.30)
		80 th percentile	27.34 (0.74)	26.53 (1.17)	27.19 (0.71)	28.31 (0.36)	30.01 (0.51)	30.83 (0.36)
		<i>Poverty level</i>						
		at risk of poverty	26.58 (0.36)	27.40 (0.37)	27.46 (0.39)	28.05 (0.23)	30.62 (0.25)	31.09 (0.39)
		above 2x the risk of poverty	27.37 (0.51)	27.12 (1.37)	26.83 (0.75)	28.36 (0.29)	30.30 (0.47)	30.75 (0.31)
		<i>Education</i>						
		< HS	26.85 (0.27)	27.42 (0.29)	27.85 (0.33)	28.36 (0.21)	30.51 (0.37)	30.38 (0.32)
	>=HS, < 4y college	26.73 (0.99)	26.84 (0.51)	26.22 (0.26)	28.25 (0.24)	30.73 (0.28)	31.38 (0.31)	
	>=4 y college	26.50 (0.80)	24.37 (0.77)	26.44 (0.49)	27.87 (0.36)	29.59 (0.47)	30.45 (0.43)	
	US-born white (non-Hispanic)	<i>Income level</i>						
		20 th percentile	25.80 (0.24)	25.80 (0.18)	26.10 (0.20)	27.42 (0.29)	28.84 (0.22)	29.17 (0.31)
		50 th percentile	25.87 (0.16)	25.62 (0.13)	25.61 (0.10)	26.97 (0.20)	28.60 (0.16)	29.07 (0.23)
		80 th percentile	25.16 (0.13)	25.23 (0.23)	25.14 (0.16)	26.27 (0.23)	27.69 (0.25)	28.31 (0.27)
<i>Poverty level</i>								
at risk of poverty		25.99 (0.20)	25.73 (0.16)	25.57 (0.15)	27.26 (0.24)	28.69 (0.18)	29.05 (0.28)	
above 2x the risk of poverty		25.13 (0.12)	25.29 (0.16)	25.28 (0.13)	26.33 (0.20)	27.77 (0.22)	28.43 (0.25)	
<i>Education</i>								
< HS		25.60 (0.13)	26.01 (0.10)	26.37 (0.12)	27.35 (0.21)	28.75 (0.32)	29.21 (0.31)	
>=HS, < 4y college	24.47 (0.17)	25.22 (0.11)	25.39 (0.11)	26.98 (0.20)	28.59 (0.16)	29.33 (0.17)		
>=4 y college	24.85 (0.18)	24.73 (0.18)	24.48 (0.15)	25.61 (0.21)	27.40 (0.23)	27.57 (0.28)		
Waist circumference (WC) (cm)	US-born black (non-Hispanic)	<i>Income level</i>						
		20 th percentile	84.19 (0.85)			94.01 (0.72)	99.21 (0.55)	101.24 (1.05)
		50 th percentile	84.41 (0.66)			93.64 (0.47)	99.42 (0.52)	101.16 (0.71)
		80 th percentile	83.78 (2.55)			94.03 (0.85)	98.69 (1.11)	99.38 (0.75)
		<i>Poverty level</i>						
		at risk of poverty	84.26 (0.82)			93.84 (0.55)	99.41 (0.49)	100.88 (0.87)
		above 2x the risk of poverty	85.49 (1.86)			94.24 (0.69)	98.84 (1.06)	99.52 (0.72)

Systolic blood pressure (mm Hg)	US-born white (non-Hispanic)	<i>Education</i>						
		< HS	85.22 (0.66)			95.82 (0.52)	99.72 (0.69)	100.06 (0.77)
		>=HS, < 4y college	81.21 (1.77)			93.27 (0.54)	99.27 (0.59)	101.27 (0.67)
		>=4 y college	79.41 (1.93)			92.42 (0.96)	97.05 (1.20)	98.34 (0.93)
		<i>Income level</i>						
		20 th percentile	85.67 (0.61)			95.52 (0.81)	99.57 (0.57)	100.13 (0.72)
		50 th percentile	84.65 (0.46)			93.83 (0.48)	98.61 (0.41)	99.92 (0.50)
		80 th percentile	82.75 (0.37)			91.53 (0.55)	95.83 (0.65)	98.06 (0.70)
		<i>Poverty level</i>						
	at risk of poverty	85.71 (0.60)			94.91 (0.64)	99.01 (0.50)	99.98 (0.55)	
	above 2x the risk of poverty	82.68 (0.29)			91.71 (0.47)	95.96 (0.54)	98.3 (0.61)	
	US-born black (non-Hispanic)	<i>Education</i>						
		< HS	83.58 (0.37)			95.72 (0.66)	99.83 (0.77)	101.39 (0.66)
		>=HS, < 4y college	81.23 (0.65)			93.10 (0.46)	98.11 (0.37)	100.42 (0.43)
		>=4 y college	82.66 (0.63)			90.48 (0.53)	95.47 (0.59)	96.05 (0.65)
		<i>Income level</i>						
		20 th percentile	145.44 (2.91)	143.34 (1.63)	133.03 (1.27)	126.99 (0.69)	128.43 (0.7)	128.48 (1.13)
		50 th percentile	140.79 (1.99)	141.01 (1.25)	131.83 (0.68)	125.72 (0.57)	127.66 (0.58)	127.24 (0.75)
		80 th percentile	130.13 (3.15)	130.09 (2.68)	130.55 (2.61)	124.66 (1.27)	125.92 (1.29)	123.47 (1.33)
		<i>Poverty level</i>						
	at risk of poverty	143.01 (2.74)	142.68 (1.59)	132.54 (0.82)	126.77 (0.68)	128.4 (0.55)	127.9 (0.83)	
above 2x the risk of poverty	131.89 (2.40)	132.64 (3.72)	128.09 (1.78)	124.36 (1.00)	126.13 (1.02)	123.34 (1.19)		
US-born white (non-Hispanic)	<i>Education</i>							
	< HS	139.17 (1.92)	142.8 (1.54)	135.29 (0.98)	130.91 (0.73)	130.21 (0.85)	130.26 (1.37)	
	>=HS, < 4y college	127.76 (4.87)	131.99 (1.38)	125.25 (1.21)	123.17 (0.53)	126.57 (0.79)	125.52 (0.85)	
	>=4 y college	135.56 (4.80)	137.06 (8.07)	122.52 (2.55)	122.07 (1.06)	124.45 (1.03)	121.61 (0.93)	
	<i>Income level</i>							
	20 th percentile	143.90 (1.52)	140.19 (0.89)	132.99 (1.08)	124.50 (1.03)	123.70 (0.55)	125.18 (0.75)	
	50 th percentile	135.80 (1.05)	135.50 (0.63)	129.30 (0.71)	123.00 (0.69)	123.13 (0.48)	123.32 (0.43)	
	80 th percentile	128.94 (0.75)	128.43 (0.98)	125.07 (0.97)	119.68 (0.63)	119.48 (0.67)	120.10 (0.55)	
	<i>Poverty level</i>							
at risk of poverty	140.84 (1.28)	139.26 (0.82)	130.60 (0.87)	123.96 (0.98)	123.27 (0.58)	124.53 (0.53)		
above 2x the risk of poverty	129.16 (0.73)	128.59 (0.8)	125.13 (0.81)	119.75 (0.57)	119.99 (0.55)	120.04 (0.56)		
	<i>Education</i>							

Serum cholesterol (mg/dL)	US-born black (non-Hispanic)	< HS	132.55 (0.81)	138.11 (0.72)	132.67 (0.82)	125.86 (0.84)	126.08 (0.86)	125.34 (0.82)
		>=HS, < 4y college	129.3 (1.55)	129.46 (0.51)	126.03 (0.67)	121.40 (0.46)	122.25 (0.37)	122.72 (0.48)
		>=4 y college	126.85 (1.23)	127.56 (1.01)	123.3 (0.77)	118.71 (0.79)	119.70 (0.66)	118.92 (0.41)
		<i>Income level</i>						
		20 th percentile	221.19 (4.33)	222.29 (3.18)	218.11 (3.04)	203.10 (2.05)	198.13 (1.47)	194.29 (1.83)
		50 th percentile	219.21 (2.81)	220.87 (2.28)	217.15 (2.27)	202.95 (1.17)	199.13 (1.26)	193.20 (1.61)
		80 th percentile	216.66 (6.75)	219.72 (13.19)	219.55 (12.7)	201.08 (3.02)	199.11 (2.49)	194.76 (2.81)
		<i>Poverty level</i>						
		at risk of poverty	218.87 (3.34)	223.37 (3.25)	218.22 (2.53)	202.97 (1.61)	198.64 (1.33)	193.32 (1.52)
	above 2x the risk of poverty	219.52 (3.39)	218.35 (8.34)	220.78 (7.05)	202.49 (2.38)	200.28 (2.08)	196.04 (2.36)	
	<i>Education</i>							
	< HS	218.62 (2.31)	223.58 (2.44)	225.31 (2.01)	209.05 (1.76)	200.36 (2.20)	195.41 (2.50)	
	>=HS, < 4y college	216.83 (7.24)	214.24 (3.70)	205.66 (4.23)	201.19 (1.03)	198.16 (1.57)	193.9 (1.67)	
	>=4 y college	211.23 (7.54)	210.39 (7.42)	217.13 (12.35)	199.64 (2.68)	201.97 (2.98)	191.79 (2.76)	
	US-born white (non-Hispanic)	<i>Income level</i>						
	20 th percentile	236.11 (2.78)	227.96 (1.55)	222.64 (2.56)	210.46 (2.05)	209.74 (1.58)	203.45 (2.07)	
	50 th percentile	230.61 (1.88)	223.33 (1.40)	220.29 (1.40)	207.68 (1.10)	207.18 (1.22)	201.85 (1.06)	
	80 th percentile	227.33 (1.96)	224.89 (2.17)	218.05 (1.82)	205.45 (1.49)	204.53 (1.34)	201.26 (1.48)	
	<i>Poverty level</i>							
at risk of poverty	236.36 (2.68)	227.27 (1.60)	221.47 (1.76)	208.50 (1.81)	207.58 (1.43)	202.85 (1.64)		
above 2x the risk of poverty	225.41 (1.71)	219.94 (1.56)	218.20 (1.34)	205.60 (1.36)	205.04 (1.15)	201.41 (1.07)		
<i>Education</i>								
< HS	227.81 (1.57)	228.78 (1.40)	226.77 (1.75)	214.15 (1.86)	209.86 (2.02)	200.60 (2.25)		
>=HS, < 4y college	226.78 (3.23)	218.37 (1.34)	217.60 (1.33)	207.36 (1.13)	207.83 (1.15)	202.63 (1.10)		
>=4 y college	227.83 (3.38)	213.14 (2.31)	210.72 (1.50)	202.55 (1.65)	202.89 (1.02)	200.65 (1.36)		

Note: values are based on observed data; the percent missing data typically was low (<5%), with only a few up to 10%, as listed below.

Health outcome	Race/ethnicity	NHES I (1959-1962)	NHANES I (1971-1975)	Missing data: N (percent)		NHANES (1999-2004)	NHANES (2005-2008)
				NHANES II (1976-1980)	NHANES III (1988-1994)		
BMI	Black	0 (0)	1 (0.05)	0 (0)	7 (0.20)	65 (3.22)	33 (1.90)
	White	0 (0)	4 (0.05)	0 (0)	2 (0.04)	113 (2.27)	43 (1.20)
Waist	Black	0 (0)	NA	NA	251 (7.14)	109 (5.39)	98 (5.64)
	White	0 (0)	NA	NA	216 (4.63)	173 (3.47)	150 (4.19)
Systolic blood pressure	White	0 (0)	20 (0.93)	5 (0.47)	44 (1.25)	158 (7.82)	119 (6.85)

	Black	0 (0)	36 (0.43)	13 (0.18)	82 (1.76)	183 (3.67)	126 (3.52)
Serum cholesterol	Black	23 (3.38)	3 (0.14)	0 (0)	319 (9.08)	209 (10.34)	183 (10.53)
	White	120 (2.50)	47 (0.56)	0 (0)	165 (3.54)	221 (4.43)	143 (4.00)

Table S3. Height (boys and girls, age 6-8) and age at menarche (girls only) among US-born black non-Hispanic and white non-Hispanic children age 6-17^a, by family income percentile and risk of poverty: US National Health Examination Survey (NHES) II (1963-1965) through US National Health and Nutrition Examination Survey (NHANES) 2005-2008.^b

Health outcome	Age (yr)	Race/ ethnicity	Socioeconomic measure	NHES II (1963-1965) mean (SD)	NHES III (1966-1970) mean (SD)	NHANES I (1971-1975) mean (SD)	NHANES II (1976-1980) mean (SD)	NHANES III (1988-1994) mean (SD)	NHANES (1999-2004) mean (SD)	NHANES (2005-2008) mean (SD)	
Height (cm)	6-8	US-born black (non-Hispanic)	<i>Income percentile</i>								
			20 th percentile	124.05 (0.41)		122.97 (0.67)	125.15 (0.72)	126.11 (0.63)	127.06 (0.64)	126.58 (0.64)	
			50 th percentile	124.17 (0.42)		123.86 (0.57)	125.42 (0.79)	126.12 (0.45)	127.11 (0.52)	127.03 (0.49)	
			80 th percentile	129.01 (2.21)		N/A ^c	133.36 (1.10)	128.61 (1.35)	126.85 (1.01)	126.08 (0.75)	
			<i>Poverty level</i>								
			at risk of poverty	124.07 (0.48)		123.25 (0.61)	124.35 (0.72)	126.05 (0.55)	127.01 (0.58)	126.93 (0.56)	
			above 2x the risk of poverty	126.03 (0.67)		124.86 (2.78)	126.61 (1.26)	129.04 (0.95)	127.01 (0.93)	127.03 (0.63)	
			US-born white (non-Hispanic)	<i>Income percentile</i>							
				20 th percentile	121.75 (0.61)		123.29 (0.87)	123.27 (1.31)	124.31 (1.10)	124.66 (1.11)	124.56 (0.89)
		50 th percentile		122.42 (0.43)		123.68 (0.51)	123.63 (0.57)	125.09 (0.68)	125.13 (0.58)	124.94 (0.40)	
		80 th percentile		124.94 (0.26)		124.23 (0.79)	125.42 (0.56)	125.18 (0.98)	127.01 (0.68)	126.17 (0.60)	
		<i>Poverty level</i>									
		at risk of poverty		122.27 (0.53)		123.15 (0.77)	123.5 (0.72)	124.92 (0.94)	124.69 (0.92)	125.01 (0.57)	
		above 2x the risk of poverty	125.11 (0.18)		124.37 (0.77)	125.28 (0.45)	125.24 (0.77)	126.56 (0.57)	126.57 (0.60)		
		Age at menarche (yrs): girls only		US-born black (non-Hispanic)	<i>Income percentile</i>						
20 th percentile	10.52 (0.20)				12.10 (0.10)	12.40 (0.12)	12.20 (0.15)	11.76 (0.08)	11.98 (0.08)	11.76 (0.10)	
50 th percentile	10.45 (0.09)				12.19 (0.09)	12.38 (0.11)	12.20 (0.15)	11.69 (0.08)	11.88 (0.06)	11.61 (0.05)	
80 th percentile	N/A ^c				12.08 (0.27)	10.86 (0.68)	11.55 (0.13)	11.27 (0.27)	11.69 (0.13)	11.56 (0.16)	
<i>Poverty level</i>											
at risk of poverty	10.46 (0.14)				12.11 (0.09)	12.38 (0.11)	12.22 (0.17)	11.74 (0.08)	11.93 (0.07)	11.64 (0.08)	
above 2x the risk of poverty	10.00 (0.00)			12.08 (0.27)	10.92 (0.39)	12.04 (0.17)	11.39 (0.21)	11.62 (0.14)	11.52 (0.13)		
US-born white (non-Hispanic)	<i>Income percentile</i>										
	20 th percentile			10.90 (0.10)	12.21 (0.07)	12.34 (0.16)	12.33 (0.26)	11.49 (0.23)	11.79 (0.12)	11.95 (0.13)	
	50 th percentile			10.61 (0.15)	12.23 (0.06)	12.19 (0.11)	12.35 (0.08)	11.94 (0.13)	12.01 (0.08)	12.06 (0.12)	
	80 th percentile			10.91 (0.09)	12.25 (0.06)	12.27 (0.14)	12.49 (0.09)	12.13 (0.15)	12.26 (0.10)	12.47 (0.10)	
	<i>Poverty level</i>										
	at risk of poverty										

Poverty level

at risk of poverty	10.80 (0.12)	12.22 (0.07)	12.31 (0.15)	12.36 (0.09)	11.74 (0.19)	11.82 (0.09)	12.08 (0.14)
above 2x the risk of poverty	10.69 (0.12)	12.25 (0.06)	12.31 (0.09)	12.41 (0.07)	12.09 (0.15)	12.29 (0.08)	12.47 (0.11)

Note:

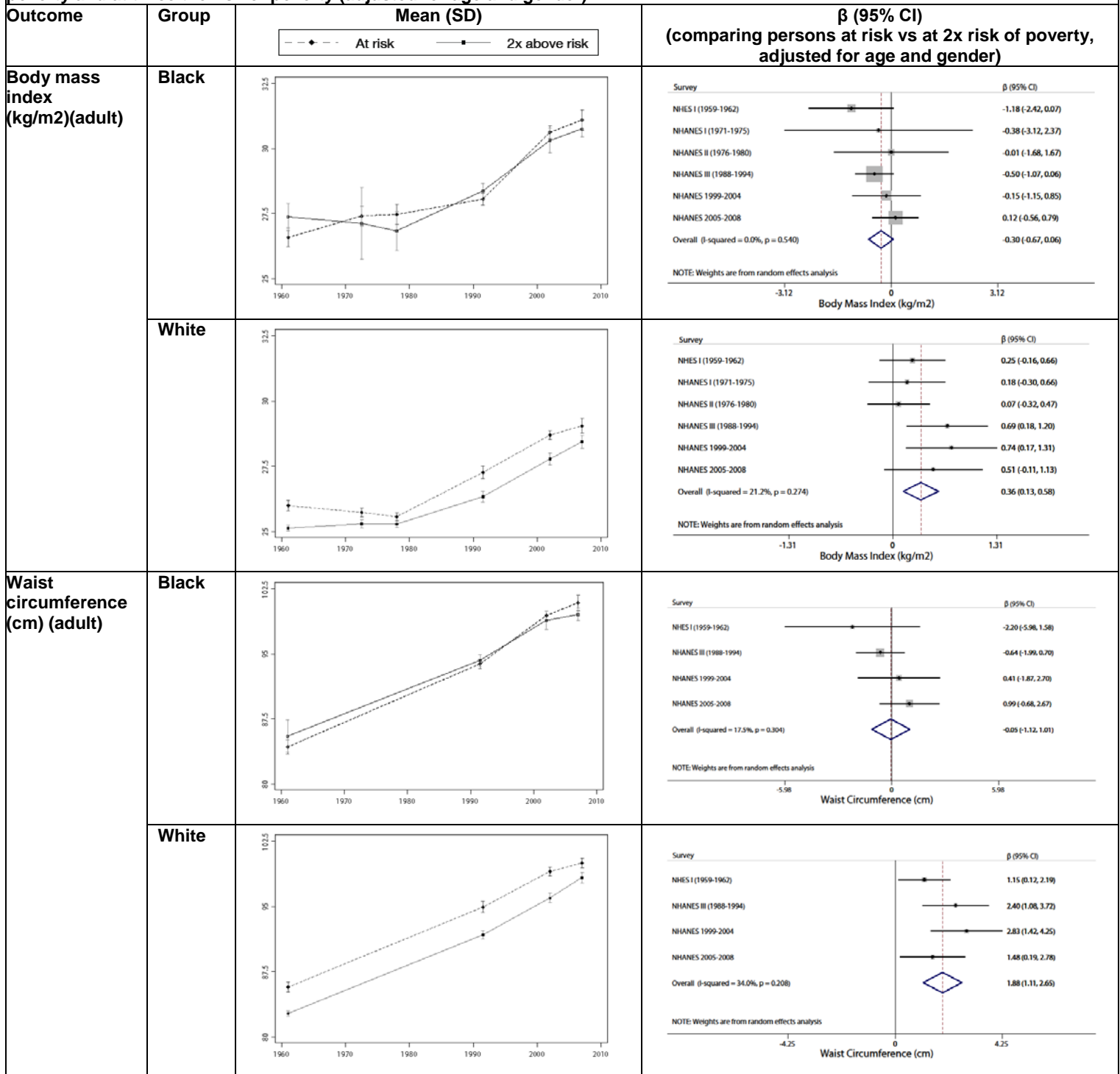
^a Age categories defined as follows: 6-8 = age ≥ 6 and < 9 ; 9-11 = age ≥ 9 and < 12 ; 12-14 = age ≥ 12 and < 15 ; 15-17 = age ≥ 15 and < 18

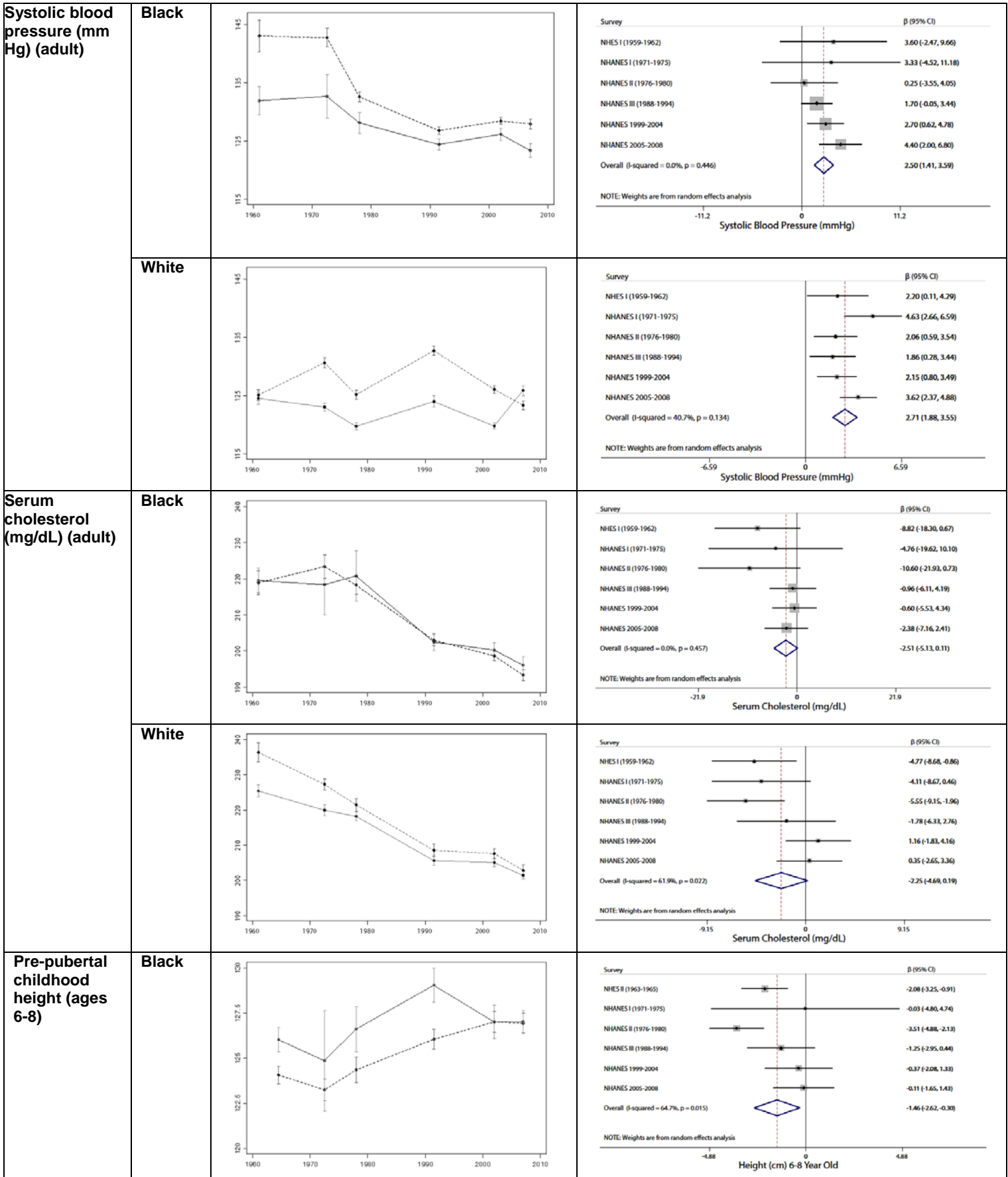
^b values based on observed data; the percent missing was low (typically below 2%), except for some surveys for age at menarche (range: 0.62 to 9.83%), as listed below.

^c NA = no US-born black Americans were in this upper income stratum

Health outcome	Race/ethnicity	Age (yr)	NHES II (1963-1965)	NHES III (1966-1970)	NHANES I (1971-1975)	NHANES II (1976-1980)	NHANES III (1988-1994)	NHANES (1999-2004)	NHANES (2005-2008)
Height	US-born black (non-Hispanic)	6-8	0 (0)		0 (0)	0 (0)	3 (0.57)	5 (0.93)	2 (0.64)
	US-born white (non-Hispanic)	6-8	0 (0)		0 (0)	0 (0)	1 (0.24)	2 (0.46)	0 (0)
Age at menarche	US-born black (non-Hispanic)	Among all asked question (age 9 and older)		7 (1.59)	3 (1.42)	2 (1.49)	40 (8.71)	13 (5.60)	22 (9.09)
	US-born white (non-Hispanic)	Among all asked question (age 9 and older)		38 (1.70)	6 (1.17)	3 (0.62)	34 (9.83)	6 (4.00)	14 (7.45)

Figure S1. Risk of poverty and body build, cardiovascular, and child development outcomes for black and white non-Hispanic participants (adults 25-74; children 6-17), National Health and Examination Survey I (1959-1962) through National Health and Nutrition Examination Survey 2005-2008: on-average values for, and mean difference between, persons in households at risk of poverty and at twice the risk of poverty (adjusted for age and gender).





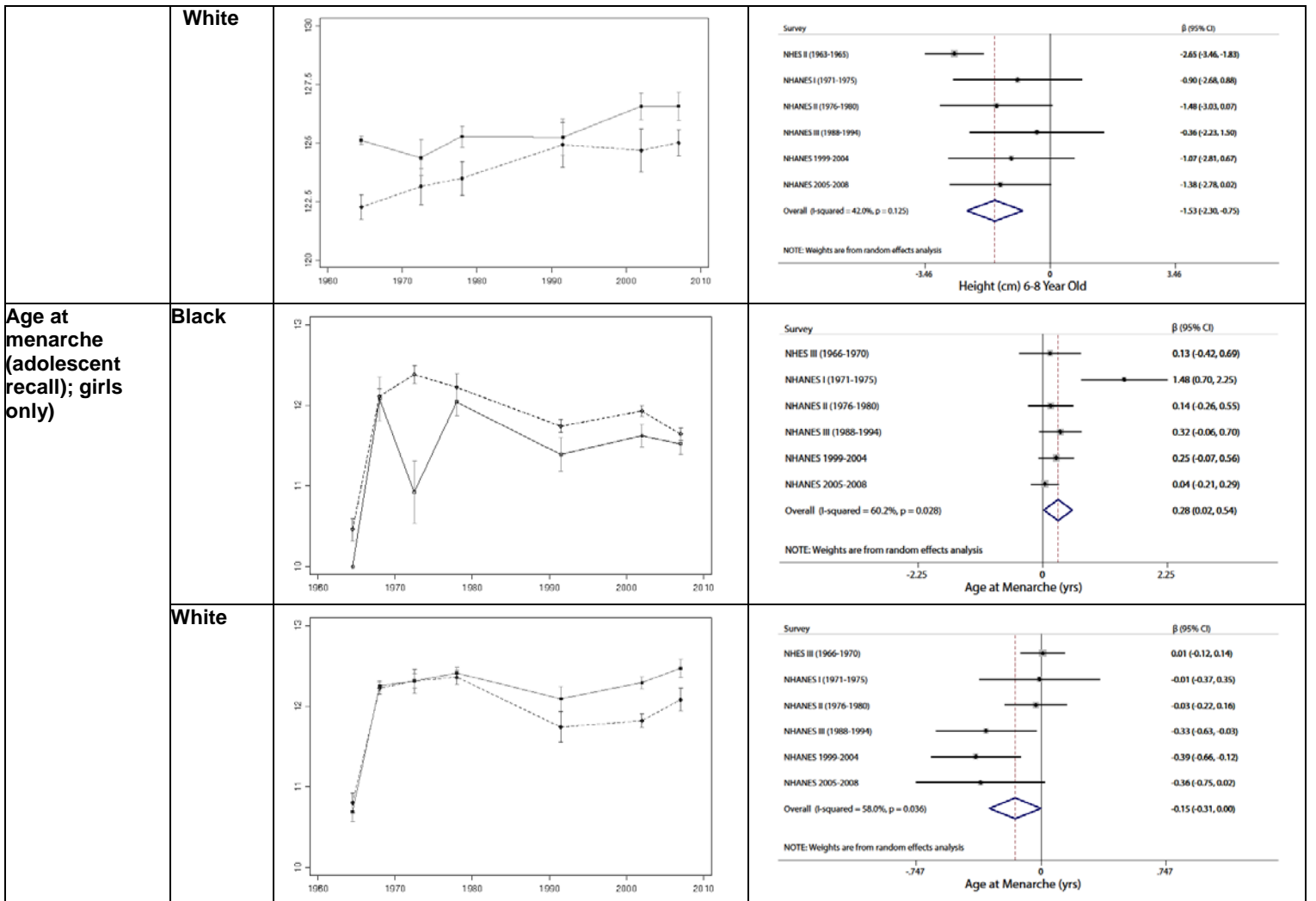
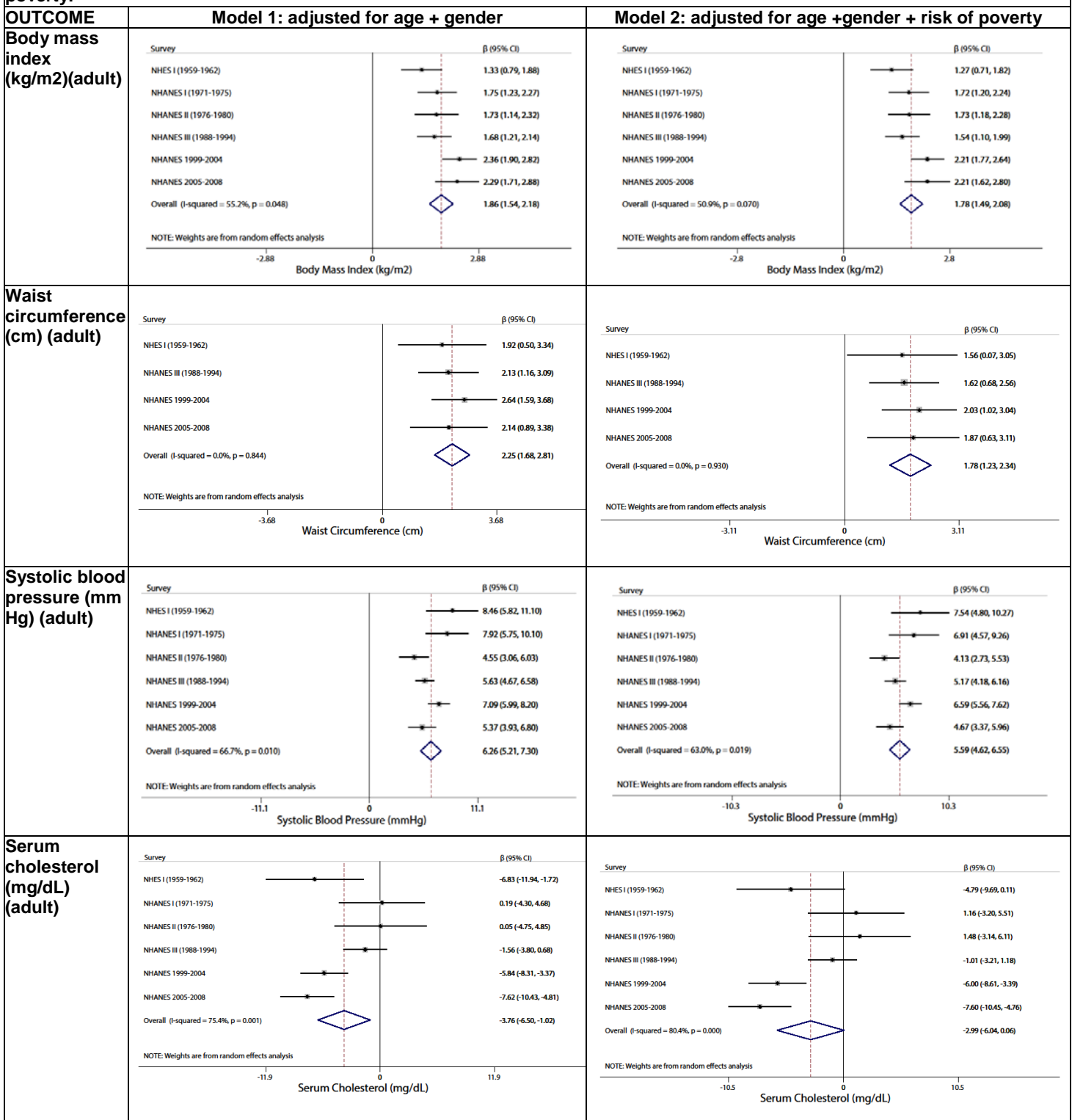
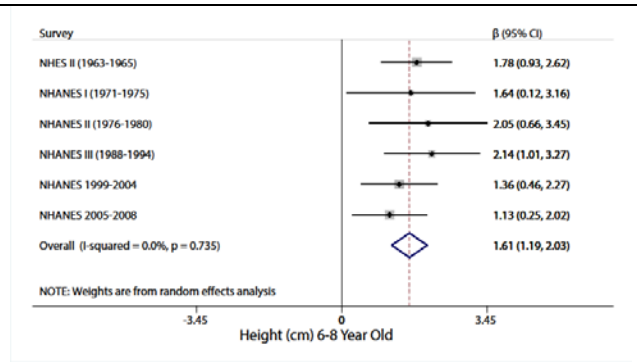
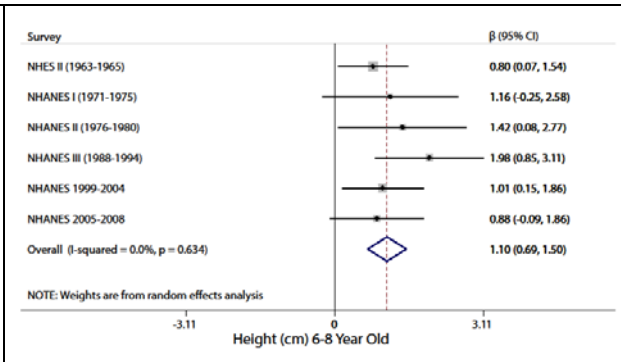


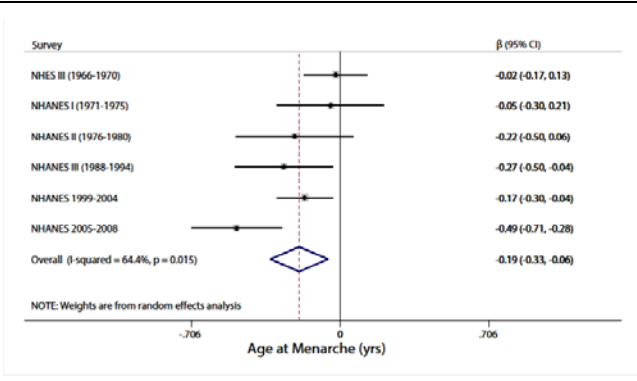
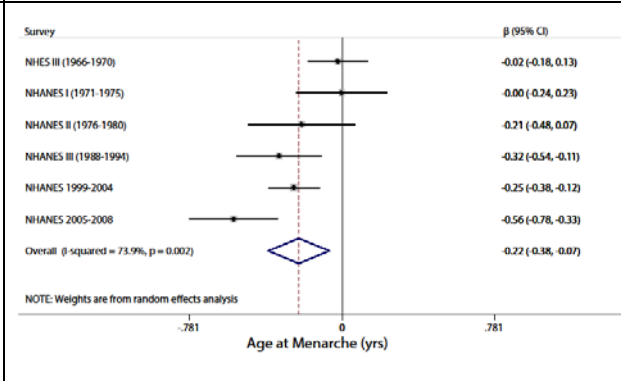
Figure S2. Black vs white difference for body build, cardiovascular, and child development outcomes for black and white non-Hispanic participants (adults 25-74; children 6-17), National Health and Examination Survey I (1959-1962) through National Health and Nutrition Examination Survey 2005-2008: overall (adjusted for age and gender) and additionally adjusted for risk of poverty.



Pre-pubertal childhood height (ages 6-8)



Age at menarche (adolescent recall; girls only)*



* analyses for age at menarche not adjusted for gender (since girls only)