SUPPLEMENTAL MATERIAL

Data S1.

Supplemental Methods

Each question was dichotomized in order to capture responses that best reflected childhood

adversity. Responses that were included in overall CFE adversity score are denoted with an "x"

in the table below.

		Rarely or none of the time	Some or little of the time	Occasionally or moderate amount of time	Most or all of the time
1	How often did a parent or other adult in the household make you feel that you were loved, supported, and cared for? *(similar to ACEs questionnaire item 4)*	x	x	x	
2	How often did a parent or other adult in the household swear at you, insult you, put you down, or act in a way that made you feel threatened? *(similar to ACEs questionnaire item 1)*		x	x	x
3	How often did a parent or other adult in the household express physical affection for you such as hugging or other physical gesture of warmth and affection? *(not reflected by an ACEs questionnaire item)*	x	x		
4	How often did a parent or other adult in the household push, grab, shove, or hit you so hard you had marks or were injured? *(similar to ACEs questionnaire item 2)*		x	x	x
5	Did you live with anyone who was a problem drinker or alcoholic, or who used street drugs? *(similar ACEs questionnaire item 8)*		x	x	x
6	Would you say that the household you grew up in was well-organized and well-managed? *(not reflected by an ACEs questionnaire item)*	x	x		
7	Did your family know what you were up to? *(not reflected by an ACEs questionnaire item)*	x	x		

Table S1. Characteristics of the study population versus excluded participants: CARDIA, 1985-86.

	Study Population (n=3,646)	Participants excluded for missing data (n=21)	*P* value	Participants not assessed at Y15 CARDIA examination (n=1,440)	*P* value
Demographic characteristics					
Age, mean (SD)	25.1 (3.6)	25.9 (3.3)	0.27	24.3 (3.7)	<0.001
Black race, No. (%)	1,716 (47.1)	11 (52.4)	0.63	904 (62.8)	<0.001
Female sex, No. (%)	2,036 (55.8)	12 (57.1)	0.91	732 (50.8)	0.001
Socioeconomic characteristics					
Recent unemployment, No. (%)	1,011 (27.7)	8 (38.1)	0.29	517 (36.0)	<0.001
Participant education, No. (%)					
≤12 years	1,297 (35.6)	7 (33.3)	0.83	724 (50.3)	<0.001
13-15 years	1,969 (54.0)	11 (52.4)	0.88	607 (42.2)	<0.001
≥16 years	380 (10.4)	3 (14.3)	0.56	109 (7.6)	<0.001
Parental education, mean (SD), yr[*]	13.7 (3.1)	14.8 (3.0)	0.28	13.4 (3.0)	<0.001
Clinical characteristics					
Current smoker, No. (%)	990 (27.2)	8 (38.1)	0.26	552 (38.8)	<0.001
Body mass index, mean (SD), kg/m[†]	24.9 (5.3)	25.6 (5.6)	0.35	24.4 (5.2)	0.24
Waist circumference, mean (SD), cm	78.5 (12.0)	80.0 (15.8)	0.37	77.4 (11.5)	0.19
Blood pressure, mean (SD), mm Hg					
Systolic blood pressure	110 (10.8)	109 (11.5)	0.50	111 (11.2)	0.43
Diastolic blood pressure	69 (9.7)	68 (10.6)	0.64	68 (9.8)	0.28
Serum biomarkers					
Total cholesterol, mean (SD), mg/dL	177.5 (33.7)	180.6 (28.4)	0.66	174.9 (34.8)	0.01
HDL cholesterol, mean (SD), mg/dL	53.0 (13.3)	51.8 (12.8)	0.60	52.8 (13.7)	0.26
Triglycerides, median (SD), mg/dL	74.5 (52.6)	70.3 (30.7)	0.82	73.6 (51.2)	0.48
Fasting glucose, mean (SD), mg/dL	82.6 (16.6)	79.5 (9.22)	0.35	83.2 (20.7)	0.11
Psychological Characteristics					
Depressive symptoms, No. (%)[2]	858 (23.5)	5 (23.8)	0.84	251 (28.9)	<0.001

CFE, childhood family environment; dL, deciliter; HDL, high density lipoprotein; mg, milligrams; No, number; SD, standard deviation; Y15, year 15

[*]Highest number of years achieved by any parental figure.

[†]Participants were classified as having depressive symptoms if CES-D score reached the validated cutoff of 16 or greater (range 0 to 60). CES-D was first measured during the year 5 exam (1990-91).

Table S2. **Number of observations imputed for each baseline covariate.**

Baseline characteristic	Number of Imputed Values
Recent unemployment	8
Parental education	266
Current smoker	19
Body mass index	12
Waist circumference	14
Total cholesterol	26
HDL cholesterol	26
Triglycerides	27
Fasting glucose	125
Depressive symptoms	248

HDL, high density lipoprotein

Table S3. Frequencies of CVD events in included versus excluded patients: CARDIA, 1985-2018.

Outcome, No (%)	Study population (n=3,646)	Participants excluded for missing data (n=21)	Participants not assessed at Y15 CARDIA examination (n=1,440)
All-Cause Mortality	201 (5.5)	3 (14.3)	234 (16.3)
All CVD events[1]	198 (5.4)	1 (4.8)	81 (5.6)
Coronary artery disease	93(2.6)	1 (4.8)	40 (2.8)
Myocardial infarction	80 (2.2)	1 (4.8)	35 (2.4)
Non-MI acute coronary syndrome	13 (0.4)	0 (0.0)	5 (0.4)
Stroke	72 (2.0)	0 (0.0)	19 (1.3)
Heart failure	60 (1.7)	0 (0.0)	27 (1.9)
Carotid artery disease	1 (0.03)	0 (0.0)	0 (0.0)
Peripheral artery disease	7 (0.2)	0 (0.0)	5 (0.4)

CVD, cardiovascular disease; MI, myocardial infarction; No, number; Y15, year 15