

Supplementary Material

Table S1: Differences between participants with complete and incomplete data on cardiovascular risk factors

Sociodemographic characteristics		N (%) / mean (standard deviation)		
		Complete data (n=12,852)	Incomplete data (n=1111*)	p-value difference**
Study	APCAPS	6028 (46.9%)	868 (78.1%)	<0.001
	IMS	6824 (53.1%)	243 (21.9%)	
Age		37.6 (12.7)	36.6 (14.8)	0.02
Sex	Male	7144 (55.6%)	608 (54.7%)	0.55
	Female	5708 (44.4%)	503 (45.3%)	
Childhood household asset score		9.7 (5.0)	9.0 (5.1)	0.33
Adult household asset score		21.1 (6.5)	19.7 (6.0)	0.59
Adult occupation	Unskilled labour or unemployed	2884 (22.4%)	342 (30.8%)	0.08
	Student, retired or housewife	4399 (34.2%)	396 (35.6%)	
	Semi-skilled labour	1518 (11.8%)	131 (11.79%)	
	Skilled labour	2110 (16.4%)	146 (13.1%)	
	Professional	1941 (15.1%)	96 (8.6%)	
Adult residence	Rural	8622 (67.1%)	942 (84.8%)	0.02
	Urban	4230 (32.9%)	169 (15.2%)	

APCAPS=Andhra Pradesh Children and Parents' Study, IMS=Indian Migration Study

*Excluding 48 participants who did not have complete data on sociodemographic characteristics

**P-values based on likelihood ratio tests from logistic regression models adjusting for study (i.e. APCAPS or IMS)

Table S2: Association between standard of living index (SLI) in childhood and cardiovascular risk factors in pooled sample of IMS (2005-7) and APCAPS (2010-12) stratified by standard of living index in adulthood (above or below the median)

Cardiovascular risk factor	N	Low standard of living index in adulthood (adjusted for age, sex and urban residence)			High standard of living index in adulthood (adjusted for age, sex and urban residence)			P-value interaction
		β -coefficient for 1 SD change in childhood SLI	Lower confidence limit	Upper confidence limit	β -coefficient for 1 SD change in childhood SLI	Lower confidence limit	Upper confidence limit	
Systolic blood pressure, mmHg	13931	-0.209	-0.880	0.463	-0.323	-0.894	0.247	0.786
Diastolic blood pressure, mmHg	13950	-0.445	-0.947	0.058	-0.214	-0.640	0.211	0.466
Total cholesterol, mmol/L	13592	0.047	0.001	0.094	0.019	-0.021	0.058	0.324
LDL cholesterol, mmol/L	12974	0.033	-0.011	0.076	0.004	-0.033	0.040	0.281
Log triglycerides, mmol/L	13144	0.006	-0.016	0.028	-0.006	-0.025	0.012	0.381
Log fasting glucose, mmol/L	13224	0.011	0.003	0.019	0.005	-0.002	0.011	0.208
Log insulin, mU/L	13231	0.063	0.023	0.103	0.039	0.005	0.072	0.325
Log HOMA score	13184	0.072	0.030	0.114	0.046	0.010	0.081	0.306
Body mass index, kg/m ²	13942	0.430	0.262	0.599	0.161	0.019	0.304	0.010
Waist circumference, mm	13918	13.80	9.431	18.18	1.623	-2.001	5.246	<0.001
Height, mm	13942	7.094	4.300	9.888	7.308	4.916	9.701	0.900

APCAPS=Andhra Pradesh Children and Parents' Study, IMS=Indian Migration Study, SD=standard deviation, SLI=standard of living index, LDL=low-density lipoprotein, HOMA=homeostasis model assessment

Table S3: Association between standard of living index (SLI) in childhood and cardiovascular risk factors in pooled sample of IMS (2005-7) and APCAPS (2010-12), stratified by sex.

Cardiovascular risk factor	N	Females (adjusted for age and adult socioeconomic conditions*)			Males (adjusted for age and adult socioeconomic conditions*)			P-value interaction
		β -coefficient for 1 SD change in childhood SLI	Lower confidence limit	Upper confidence limit	β -coefficient for 1 SD change in childhood SLI	Lower confidence limit	Upper confidence limit	
Systolic blood pressure, mmHg	13931	-0.851	-1.489	-0.213	-0.350	-0.951	0.252	0.193
Diastolic blood pressure, mmHg	13950	-0.558	-1.034	-0.083	-0.592	-1.043	-0.142	0.906
Total cholesterol, mmol/L	13592	-0.004	-0.048	0.040	0.009	-0.033	0.050	0.625
LDL cholesterol, mmol/L	12974	-0.024	-0.065	0.017	0.000	-0.039	0.039	0.321
Log triglycerides, mmol/L	13144	-0.008	-0.028	0.013	-0.015	-0.035	0.004	0.554
Log fasting glucose, mmol/L	13224	-0.001	-0.008	0.007	0.004	-0.003	0.011	0.289
Log insulin, mU/L	13231	-0.021	-0.058	0.016	0.043	0.008	0.078	0.005
Log HOMA score	13184	-0.020	-0.059	0.019	0.046	0.009	0.083	0.006
Body mass index, kg/m ²	13942	0.206	0.049	0.363	-0.110	-0.259	0.039	0.001
Waist circumference, mm	13918	-6.709	-10.72	-2.697	4.838	1.055	8.621	<0.001
Height, mm	13942	5.523	2.882	8.164	5.396	2.904	7.887	0.935

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*Adult standard of living index (linear and quadratic term), adult occupation (categorical) and adult urban or rural residence (binary)

Table S4: Association between standard of living index (SLI) in childhood and cardiovascular risk factors in pooled sample of IMS (2005-7) and APCAPS (2010-12), stratified by study (APCAPS or IMS).

Cardiovascular risk factor	N	APCAPS (adjusted for age, sex and adult socioeconomic conditions*)			IMS (adjusted for age, sex and adult socioeconomic conditions*)			P-value interaction
		β -coefficient for 1 SD change in childhood SLI	Lower confidence limit	Upper confidence limit	β -coefficient for 1 SD change in childhood SLI	Lower confidence limit	Upper confidence limit	
Systolic blood pressure, mmHg	13931	-0.199	-0.961	0.564	-0.938	-1.718	-0.158	0.224
Diastolic blood pressure, mmHg	13950	-0.294	-0.864	0.275	-0.853	-1.434	-0.272	0.216
Total cholesterol, mmol/L	13592	-0.035	-0.088	0.017	0.039	-0.015	0.094	0.077
LDL cholesterol, mmol/L	12974	-0.030	-0.079	0.020	0.006	-0.043	0.055	0.364
Log triglycerides, mmol/L	13144	-0.028	-0.054	-0.003	0.003	-0.021	0.027	0.108
Log fasting glucose, mmol/L	13224	-0.010	-0.019	-0.001	0.012	0.003	0.021	0.002
Log insulin, mU/L	13231	-0.010	-0.055	0.036	0.037	-0.008	0.081	0.190
Log HOMA score	13184	-0.018	-0.066	0.029	0.048	0.001	0.095	0.078
Body mass index, kg/m ²	13942	-0.317	-0.506	-0.128	0.368	0.173	0.564	<0.001
Waist circumference, mm	13918	-9.505	-14.34	-4.673	8.682	3.747	13.616	<0.001
Height, mm	13942	6.328	3.204	9.452	4.599	1.297	7.900	0.494

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Table S5: Association between standard of living index (SLI) in childhood and cardiovascular risk factors in pooled sample of IMS (2005-7) and APCAPS (2010-12), not accounting for measurement error in childhood standard of living index.

Cardiovascular risk factor	Model 1: Age- and sex-adjusted					Model 2: model 1 + adult socioeconomic conditions*				
	N	β -coefficient for 1 SD change in childhood SLI	Lower confidence limit	Upper confidence limit	p-value	N	β -coefficient for 1 SD change in childhood SLI	Lower confidence limit	Upper confidence limit	p-value
Systolic blood pressure, mmHg	13943	-0.169	-0.456	0.118	0.248	13931	-0.512	-0.826	-0.198	0.001
Diastolic blood pressure, mmHg	13962	-0.049	-0.263	0.165	0.653	13950	-0.444	-0.678	-0.210	<0.001
Total cholesterol, mmol/L	13604	0.041	0.021	0.062	<0.001	13592	-0.001	-0.023	0.021	0.947
LDL cholesterol, mmol/L	12984	0.029	0.010	0.048	0.003	12974	-0.013	-0.033	0.008	0.217
Log triglycerides, mmol/L	13154	0.011	0.002	0.020	0.021	13144	-0.007	-0.018	0.003	0.146
Log fasting glucose, mmol/L	13235	0.009	0.006	0.012	<0.001	13224	0.002	-0.001	0.006	0.196
Log insulin, mU/L	13242	0.060	0.042	0.077	<0.001	13231	0.011	-0.008	0.029	0.266
Log HOMA score	13195	0.069	0.051	0.087	<0.001	13184	0.013	-0.006	0.033	0.183
Body mass index, kg/m ²	13954	0.515	0.440	0.590	<0.001	13942	0.045	-0.033	0.123	0.258
Waist circumference, mm	13930	12.48	10.59	14.37	<0.001	13918	-0.034	-2.017	1.948	0.973
Height, mm	13954	5.530	4.303	6.758	<0.001	13942	3.060	1.757	4.364	<0.001

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