Supplementary Online Content

Lawrence KG, Kresovich JK, O'Brien KM, et al. Association of neighborhood deprivation with epigenetic aging using 4 clock metrics. *JAMA Netw Open*. 2020;3(11):e2024329. doi:10.1001/jamanetworkopen.2020.24329

eTable 1. Correlations Between Epigenetic Age Acceleration Metrics

eTable 2. Associations Between Neighborhood Deprivation and Epigenetic Age Acceleration (N=2,630), Accounting for Cell-Type Proportions

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Correlations between epigenetic age acceleration metrics				
	Horvath	Hannum	Phenoage	GrimAge
Horvath	1.00			
Hannum	0.57	1.00		
Phenoage	0.49	0.48	1.00	
Grimage	0.13	0.25	0.44	1.00

eTable 2. Associations between neighborhood deprivation and epigenetic age acceleration (N=2,630), accounting for cell-type proportions[a]									
		Horvath (z-score)		Hannum (z-score)		PhenoAge (z-score)		GrimAge (z-score)	
Model 1									
	N(%)	β(95%CI)	p-value	β(95%CI)	p-value	β(95%CI)	p-value	β(95%CI)	p-value
Level 1: ≤25	1256(47.8)	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
Level 2: 26-50	785(29.8)	0.10(-0.02,0.22)	0.10	0.17(0.05,0.29)	0.006	0.24(0.13,0.36)	<.0001	0.28(0.16,0.40)	<.0001
Level 3: 51-75	430(16.4)	0.10(-0.07,0.27)	0.24	0.09(-0.06,0.24)	0.22	0.26(0.12,0.40)	0.0002	0.31(0.16,0.46)	<.0001
Level 4: 76-100	159(6.0)	-0.01(-0.23,0.22)	0.94	0.14(-0.07,0.34)	0.20	0.23(0.02,0.44)	0.03	0.38(0.12,0.63)	0.004
Model 2									
	N(%)	β(95%CI)	p-value	β(95%CI)	p-value	β(95%CI)	p-value	β(95%CI)	p-value
Level 1: ≤25	1256(47.8)	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
Level 2: 26-50	785(29.8)	0.09(-0.04, 0.23)	0.18	0.12(-0.01,0.25)	0.07	0.20(0.08,0.32)	0.001	0.15(0.05,0.25)	0.004
Level 3: 51-75	430(16.4)	0.10(-0.08, 0.29)	0.27	0.04(-0.12,0.21)	0.60	0.22(0.07,0.37)	0.005	0.18(0.06,0.31)	0.005
Level 4: 76-100	159(6.0)	-0.03(-0.28, 0.22)	0.82	0.03(-0.19, 0.26)	0.78	0.13(-0.09,0.36)	0.25	0.12(-0.08,0.33)	0.23

[a]Weighted for case-cohort sampling scheme

Model 1: Houseman cell type proportions (CD4+ T-cells, CD8+ T-cells, monocytes, natural killer cells, and granulocytes)

Model 2: Model 1+ smoking status, environmental tobacco smoke, alcohol, BMI, income, education