

**Cold Study Publication:** Miller, G. E., Cohen, S., Rabin, B. S., Skoner, D. P., & Doyle, W. J. Personality and tonic cardiovascular, neuroendocrine, and immune function. (1999). *Brain, Behavior and Immunity*, 13, 109-123.

**Data Set:** PCS1

Study Variable	Data Set Variable(s)
Independent Variables	
Extraversion	gb5.extravg
Agreeableness	gb5.agrbavg
Conscientiousness	gb5.conscavg
Neuroticism	40 - gb5.emotavg (this transformation reverse-scores emotional stability, which is the inverse of neuroticism)
Openness to experience	gb5.openavg
Dependent Variables	
Systolic blood pressure	sbp = mean(q0.sbp, q1.sbp, q2.sbp, q3.sbp, q4.sbp, q5.sbp)
Diastolic blood pressure	dbp = mean(q0.dbp, q1.dbp, q2.dbp, q3.dbp, q4.dbp, q5.dbp)
Heart rate	hr = mean(q0.hr, q1.hr, q2.hr, q3.hr, q4.hr, q5.hr)
Urinary norepinephrine	u24.ne_mcgvol <sup>†</sup>
Urinary epinephrine	u24.epi_mcgvol <sup>†</sup>
Urinary cortisol	u24.cort_mcgvol <sup>†</sup>
Plasma cortisol	plsm.cort_avg <sup>†</sup>
Total lymphocytes	cd3abs_avg <sup>†</sup>
Helper T lymphocytes	cd4abs_avg <sup>†</sup>
Cytotoxic T lymphocytes	cd8abs_avg <sup>†</sup>
B cells	cd19abs_avg <sup>†</sup>
Natural killer cells	nknmbr_avg <sup>†</sup>
Natural killer cell cytotoxicity	nk.cyttox_avg <sup>†</sup>
Sociodemographic Variables	
Age (continuous)	age
Gender	sex
Race [white, other]	race.white
Education (tertiled)	educ.9level: if $\geq 1$ and $\leq 3$ , covariate = 1; if $\geq 4$ and $< 6$ , covariate = 2; if $\geq 6$ , covariate = 3.
Health Practices	
Body mass index	bodymass
Smoking rate	smk.now
Alcohol consumption	alc.totdrnks (divided by 7 to approximate average drinks per day) <sup>†</sup>
Exercise	act.vigwk
Sleep efficiency	psqi.efficiency

<sup>†</sup>Subjected to  $\log_{10}$ -transformation prior to analysis. To accommodate variables with 0 values, +1 was added to each variable prior to  $\log_{10}$ -transformation.