Appendix 1. Supplementary Table of Prior Studies Testing the Health behavior Model of Personality.

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| --- | --- | --- | --- | --- | --- | --- |
| Study | Trait | HR Unadjusted | HR Adjusted | Mediated  % | Health Behaviors Tested in Model | Other Covariates Included in Model |
| Chapman et al., 2010 | Neuroticism | 1.38\* | 1.26\* | 26% | alcohol use, smoking, obesity, & activity levels | NA |
|  | Agreeableness | 1.51\* | 1.45\* | 11.8% |
|  | CxA | 0.61\* | 0.58\* | 0% |
| Hagger-Johnson et al., 2012 | Conscientiousness | 1.10\* | 1.08 | 13.1% | alcohol use, smoking, physical activity, & diet | NA |
| Jokela et al., 2013a | Conscientiousness | 0.86\* | 0.89 | 21% | Smoking, physical activity, alcohol use, obesity | NA |
| Jonaasaint et al., 2007 | Openness to Feelings | NA | 0.83\* | NA | Smoking | Education, hypertension, left ventricular ejection fraction |
|  | Openness to Actions | NA | 0.86\* | NA |
| Kern et al., 2009 | Conscientiousness | 0.82\* | 0.85\* | 16.7% | alcohol use | Mental and physical health |
| Korten et al., 1999 | Neuroticism | NA | 0.42\* | NA | Smoking & inactivity | SES, Self-rated health, current illness, blood-pressure, cognition, social support |
| Martin et al., 2007 | Child Conscientiousness | 0.81\* | 0.81\* | 0% | alcohol use, smoking, & BMI | Education and Mental Health |
|  | Adult Conscientiousness | 0.82\* | 0.90 | 16.7% |
| Mroczek et al., 2009 b | Neuroticism | 1.05\* | 1.03\* | 20% | alcohol use & smoking | NA |
| Nabi et al., 2008 | Neurotic Hostility | 2.16\* | 2.02\* | 12.1% | Alcohol use, smoking, & BMI | NA |
| Shipley et al., 2007c | Neuroticism | 1.12\* | 1.10\* | 0% | alcohol use, smoking, BMI, & physical activity | NA |
| Taylor et al., 2009 d | Openness | 0.72\* | 0.80\* | 0% | smoking &BMI | Age, SES, blood-pressure |
| Turiano et al., 2012e | Conscientiousness | 0.91\* | 0.82 | 11% | Smoking |  |
| Turiano et al., 2012 | Openness-Creativity | 0.92\* | 0.92\* | 0% | smoking | NA |
| Weiss et al., 2005 | Neuroticism | NA | 0.98\* | NA | smoking | Cardiovascular disease, self-rated health |
|  | Agreeableness | NA | 0.99\* | NA |
| Wilson et al., 2004 | Conscientiousness | 0.968\* | 0.970\* | 6.3% | alcohol use, smoking, & BMI | NA |
|  | Neuroticism | 1.049\* | 1.046\* | 6.1% |
|  | Extraversion | 0.964\* | 0.964\* | 0% |
|  |  |  |  |  |  |  |

Note. HR = Hazard Ratio; NA = not applicable; BMI = body mass index; SES = socioeconomic status.

aJokela: Meta-analysis of 7 cohorts (British Household Panel Survey; German Socio-Economic Panel Study; the Household, Income, and Labor Dynamics in Australia Study; the US Health and Retirement Study, The Midlife in the United State Study; and the Wisconsin Longitudinal Study sibling and graduate samples).

bMroczek: utilized a t-test to determine whether drop in hazard rate from an unadjusted to an adjusted model was significant.

cShipley: Ran separate analyses for all mediators and only physical activity accounted for a large percentage of variance (16%).

dTaylor: Smoking and BMI did not account for any variance in logistic structural equation modeling framework.

eTuriano: utilized proportional hazards modeling in SEM framework as reported in the current study