SI Appendix

Predicting mortality from 57 economic, behavioral, social, and psychological factors

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Materials and Methods

Predictor Measures

Here, we provide an overview of the variables used in our study. All data from the primary data source of the Health and Retirement Study are publicly available and can be retrieved upon request from https://hrs.isr.umich.edu/data-products/access-to-public-data.

Demographics

Age was measured in years by taking the integer portion of the number of months between a respondent’s birthdate and the date the interview began divided by 12. We used respondent’s age at the time of response in survey wave 2006 or 2008 depending on which year they completed the psychosocial survey.

Male was coded as binary (-1/1), with 1 indicating male and -1 indicating female.

Hispanic was coded as binary (-1/1), with 1 indicating Hispanic and -1 indicating non-Hispanic.

Black was coded as binary (-1/1), with 1 indicating non-Hispanic Black and -1 indicating non-Hispanic White or non-Hispanic Other.

Foreign Born was coded as binary (-1/1), with 1 indicating the respondent was born outside of the United States and -1 indicating the respondent was born in the United States.

Childhood Adversity

Lower Father Occupational Status was coded by categorizing the respondent’s father’s occupation as (1) Executives and managers, (2) Professional specialty, (3) Sales and administration, (4) Protection services and armed forces, (5) Cleaning, building, food preparation, and personal services, and (6) Production, construction, and operation occupations. Scores were then standardized to have a mean of 0 and standard deviation of 1. While in more
focused work on occupational class these categories should not be considered as ranked characteristics across a linear relationship, we have included as a single variable in this analysis to avoid duplicate counting with multiple categories in this current comparative analysis.

**Paternal and Maternal Education** were coded as (0) high school for less than 12 years; (1) high school graduate or GED; (2) some college; (3) college and above. These scores were then reverse coded and standardized to have a mean of 0 and standard deviation of 1.

**Father was Unemployed in Childhood** was coded as binary (-1/1), with 1 indicating that before the age of 18 the respondent’s father ever lost his job and -1 indicating that this did not occur.

**Family Received Financial Help in Childhood** was coded as binary (-1/1), with 1 indicating that before the age of 18 the respondent’s family received help from relatives because of financial difficulties and -1 indicating that this did not occur.

**Relocated Homes in Childhood** was coded as binary (-1/1), with 1 indicating that before the age of 18 the respondent’s family had to relocate due to financial difficulties and -1 indicating that this did not occur.

**Child Psychosocial Adversity** (2) was a composite measure scored by summing the binary (0/1) responses to whether before the age of 18 the respondent had ever experienced physical abuse; parents’ substance or alcohol use caused problems in the home; and had to repeat a year of school. The sum was then standardized to have a mean of 0 and standard deviation of 1.

**Adulthood Socioeconomic**

**Income 2006/2008** was measured in nominal dollars in survey year 2006 and is the sum of all income in a household, including: Respondent’s and spouse’s wage/salary income, bonuses/overtime pay/commissions/tips, 2nd job or military reserve earnings, professional practice or trade income; household business or farm income, self-employment earnings,
business income, gross rent, dividend and interest income, trust funds or royalties, and other asset income; respondent’s and spouse’s income from all pensions and annuities; respondent’s and spouse’s total Social Security income (including that which is and is not received due to disability); respondent’s and spouse’s income from unemployment and worker’s compensation; respondent’s and spouse’s income from veterans’ benefits, welfare, and food stamps; and alimony, other income, and lump sums from insurance, pension, and inheritance at the household level. This value was then log-transformed, reverse coded, and standardized to have a mean of 0 and standard deviation of 1.

**Lower Wealth 2006/2008** was measured in nominal dollars in survey year 2006/2008 as the sum of all wealth components (except secondary home) less all debt. This value was then log-transformed, reverse coded, and standardized to have a mean of 0 and standard deviation of 1.

**Education** was assessed at entry (1992/93) and coded as (0) less than high school; (1) high school graduate or GED; (2) some college; (3) college and above. These scores were then reverse coded and standardized to have a mean of 0 and standard deviation of 1.

**Lower Occupational Status** was coded by categorizing respondent’s occupation as (1) Executives and managers, (2) Professional specialty, (3) Sales and administration, (4) Protection services and armed forces, (5) Cleaning, building, food preparation, and personal services, and (6) Production, construction, and operation occupations. Scores were then standardized to have a mean of 0 and standard deviation of 1.

**Recent Financial Difficulties 2006/2008** was measured by asking respondents to how difficult is it for them to meet their/families monthly bill payments, coding their responses “Not at all difficult”, “Not very difficult”, “Somewhat difficult”, “Very difficult”, “Completely
difficult”) on a 5-point Likert scale. Scores were standardized to have a mean of 0 and standard deviation of 1.

**History of Unemployment** was coded as binary (-1/1), with 1 indicating the respondent had reported ever being unemployed over the study period (1995-2006), with a one-item question that asked at each assessment whether the respondent is not working for pay and reports actively looking for a job in the last four weeks and -1 indicating otherwise.

**History of Renting** was coded as binary (-1/1), with 1 indicating the respondent had reported ever renting their dwelling over the study period (1992-2008), with a one-item question that asked at each assessment, “Do you (and (your (husband/wife/partner)) own your home, rent it, or what?)”, and -1 indicating otherwise.

**History of Food Insecurity** was coded as binary (-1/1), with 1 indicating the respondent had reported not having enough money to buy the food they needed any point over the study period (1996-2008) with a one-item question that asked at each assessment, “Since (your previous participation/in the last two years), have you always had enough money to buy the food you need?” -1 indicates the respondent had enough money to buy the food they needed.

**History of Food Stamps** is coded as binary (-1/1), with 1 indicating the respondent had reported ever receiving food stamps over the study period (1995-2008), with a one-item question that asked at each assessment, “Did you (or other family members who were living here) receive government food stamps at any time [since [Previous Wave Month] [PREV WAVE IW YEAR OF FINANCIAL R]/in the last two years] ?”, and -1 indicating otherwise.

**History of Medicaid** was coded as binary (-1/1), with 1 indicating the respondent had reported ever being on Medicaid over the study period (1992-2006), with a one-item question that asked
at each assessment, “Are you currently covered by (Medicaid/State name for Medicaid)?” and -1 indicating otherwise.

**Neighborhood Social Cohesion and Neighborhood Physical Disorder** were measured using a scale based on the work of Cagney and colleague. (3) All items scored between one and seven. For physical disorder, the score was created by averaging the responses to items: (i) There is no problem with vandalism and graffiti in this area/Vandalism and graffiti are a big problem in this area; (ii) People feel safe walking alone in this area after dark/People would be afraid to walk alone in this area after dark; (iii) This area is kept very clean/This area is always full of rubbish and litter; and (iv) There are no vacant or deserted houses or storefronts in this area/There are many vacant or deserted houses or storefronts in this area. For social cohesion, the mean of the following items was calculated: (i) I really feel part of this area/I feel that I don’t belong in this area; (ii) Most people in this area can be trusted/Most people in this area can’t be trusted; (iii) Most people in this area are friendly/Most people in this area are unfriendly; and (iv) If you were in trouble, there are lots of people in this area who would help you/If you were in trouble, there is nobody in this area who would help you. Variables in the neighborhood physical disorder subscale were reverse-coded. The mean responses for each subscale were standardized to have a mean of 0 and standard deviation of 1. For each subscale, the final scores were set to missing if three or more items had missing responses. Cronbach’s alphas for neighborhood social cohesion in the 2006 and 2008 data were 0.82 and 0.86, respectively. Cronbach’s alphas for neighborhood physical disorder in the 2006 and 2008 data were 0.64 and 0.83, respectively.

**Neighborhood Safety 2006/2008** was measured by asking respondents to report the safety of their neighborhood in the survey year 2006/2008, coding their responses (“Excellent”, “Very
good”, “Good”, “Fair”, “Poor”) on a 5-point Likert scale. Scores were standardized to have a mean of 0 and standard deviation of 1.

**Adulthood Health Behaviors**

**Alcohol Abuse 2006/2008** was coded as binary (-1/1), with 1 indicating the respondent reported being a heavy drinker and -1 indicating the respondent did not report being a heavy drinker.

**Current Smoker 2006/2008** was coded as binary (-1/1), with 1 indicating the respondent reported being a current smoker and -1 otherwise.

**History of Smoking 2006/2008** was coded as binary (-1/1), with 1 indicating the respondent reported ever smoking and -1 indicating otherwise.

**Low/No Moderate Activity** was coded as binary (1/-1), with -1 indicating the respondent reported completing moderate activity more than once per week and 1 indicating otherwise.

**Low/No Vigorous Activity 2006/2008** was coded as binary (1/-1), with -1 indicating the respondent reported completing vigorous activity more than once per week and 1 indicating otherwise.

**Sleep Problems 2006/2008** was coded as binary (-1/1), with 1 indicating the respondent reported restless sleep and -1 otherwise.

**Adulthood Social Connections**

**History of Divorce** was coded as binary (-1/1), with 1 indicating the respondent reported being divorced or separated over the course of the study period (1992-2008) and -1 indicating the respondent never reported being divorced no separated.

**Never Married** was coded as binary (-1/1), with 1 indicating the respondent never reported being married over the course of the study period (1992-2008) and -1 indicating the respondent had ever been married.
**Positive and Negative Social Interactions** were measured for relationships with children, family, and friends. The HRS used a 3-item subscale for support and a 4-item subscale for strain, each rated on a 4-point Likert-type scale (1 = A lot, 2 = Some, 3 = A little, 4 = Not at all). For each of domain, support was the mean scores for the items: (i) How much do they really understand the way you feel about things; (ii) How much can you rely on them if you have a serious problem; and (iii) How much can you open up to them if you need to talk about your worries. For each of domain, strain was the mean scores for the items: (i) How often do they make too many demands on you; (ii) How much do they criticize you; (iii) How much do they let you down when you are counting on them; and (iv) How much do they get on your nerves. All items were reverse-coded and the resultant mean scores for each domain and measure pairing were standardized to have a mean of 0 and standard deviation of 1. Scores were set to missing if there were not at least two valid responses for each measure. See Table S9 for all Cronbach’s alpha values.

*Adulthood Psychological*

Personality traits (**Agreeableness, Extroversion, Neuroticism, Conscientiousness, and Openness to Experience**) were measured by Lachman and Weaver’s The Midlife Development Inventory (MIDI) Personality Scales (4). Respondents rated the level to which a set of items describes themselves using a four-point Likert-type scale (1 = A lot, 2 = Some, 3 = A little, 4 = Not at all). Within each sub-dimension, a mean score was produced. The agreeableness sub-dimension contained the items (i) Helpful, (ii) Warm, (iii) Caring, (iv) Soft hearted, and (v) Sympathetic. The extroversion sub-dimension contained the items (i) Outgoing, (ii) Friendly, (iii) Lively, (iv) Active, and (v) Talkative. The neuroticism sub-dimension contained the items (i) Moody, (ii) Worrying, (iii) Nervous, and (iv) Calm. The conscientiousness sub-dimension
contained the items (i) Organized, (ii) Responsible, (iii) Hardworking, (iv) Careless, and (v) Thorough. The openness to experience sub-dimension contained the items (i) Creative, (ii) Imaginative, (iii) Intelligent, (iv) Curious, (v) Broad-minded, (vi) Sophisticated, and (vii) Adventurous. All items except for Careless and Calm were reverse-coded. Each mean score was then standardized to have a mean of 0 and standard deviation of 1. In 2006, the Cronbach’s alpha for agreeableness, extroversion, neuroticism, conscientiousness, and openness to experience are 0.78, 0.75, 0.70, 0.67, and 0.79, respectively. In 2008, the Cronbach’s alphas for agreeableness, extroversion, neuroticism, conscientiousness, and openness to experience are 0.78, 0.74, 0.72, 0.66, and 0.79, respectively.

Anger-out and Anger-in were measured by the Spielberger’s State-Trait Anger Expression Inventory (5). This scale includes a 4-item subscale for trait anger and a 7-item subscale for state anger, both measured on a 4-point Likert scale (1 = Almost never, 2 = Sometimes, 3 = Often, 4 = Almost always). Anger-out was scored by taking the mean across seven items: (i) When I am feeling angry or mad, I argue with others; (ii) When I am feeling angry or mad, I strike out at whatever infuriates me; (iii) When I am feeling angry or mad, I say nasty things; (iv) When I am feeling angry or mad, I lose my temper; (v) I am quick tempered; (vi) I have a fiery temper; and (vii) I fly off the handle. Anger-in was scored by taking the mean across four items: (i) When I am feeling angry or mad, I keep things in; (ii) When I am feeling angry or mad, I withdraw from people; (iii) When I am feeling angry or mad, I am irritated more than people are aware; and (iv) When I am feeling angry or mad, I am angrier than I am willing to admit. These scores were then standardized to have a mean of 0 and standard deviation of 1. Anger-out scores were set to missing if there were four or more items with missing values. Anger-in scores were set to missing if there were three or more items with missing values. Cronbach’s alpha for state anger
in 2006 and 2008 data is 0.88 and 0.87, respectively. Cronbach’s alphas for trait anger in 2006 and 2008 data are 0.78 and 0.78, respectively.

**Cynical Hostility** was assessed using a subscale of the Cook-Medley Hostility Inventory (6) which contained a 5-item scale rated on a 6-point Likert scale (1 = Strongly disagree, 2 = Somewhat disagree, 3 = Slightly disagree, 4 = Slightly agree, 5 = Somewhat agree, 6 = Strongly agree). Cynical hostility is scored by taking the mean across five items: (i) Most people dislike putting themselves out to help other people; (ii) Most people will use somewhat unfair means to gain profit or an advantage rather than lose it; (iii) No one cares much what happens to you; (iv) I think most people would lie in order to get ahead; and (v) I commonly wonder what hidden reasons another person may have for doing something nice for me. Note: in the 2006 version, item (i) was worded “Most people inwardly dislike putting themselves out to help other people”. These scores were then standardized to have a mean of 0 and standard deviation of 1. Scores were set to missing if there were four or more items with missing values. Cronbach’s alphas for the 2006 and 2008 data are 0.76 and 0.79, respectively.

**Hopelessness** was measured by two items taken from two Hopelessness scales (7, 8). This composite scale is measured using a 6-point ordered response scale (1 = Strongly disagree, 2 = Somewhat disagree, 3 = Slightly disagree, 4 = Slightly agree, 5 = Somewhat agree, 6 = Strongly agree). Hopelessness is scored by taking the mean across each item: (i) I feel it is impossible for me to reach the goals that I would like to strive for; (ii) The future seems hopeless to me and I can’t believe that things are changing for the better; (iii) I don’t expect to get what I really want; and (iv) There’s no use in really trying to get something I want because I probably won’t get it. These scores were then standardized to have a mean of 0 and standard deviation of 1.
Hopelessness scores were set to missing if there were three or more items with missing values. Cronbach’s alphas for hopelessness in 2006 and 2008 data are 0.86 and 0.84, respectively. **Loneliness** was assessed using a subscale of the Loneliness Scale (9) which contained a 3-item scale rated on a 3-point ordered response scale (1 = Often, 2 = Some of the time, 3 = Hardly ever or never). Loneliness was scored by taking the mean response across three items: (i) You lack companionship; (ii) Left out; and (iii) Isolated from others. All items were reverse-coded. These overall scores were then standardized to have a mean of 0 and standard deviation of 1. Scores were set to missing if there were two or more items with missing values. Cronbach’s alphas for loneliness in 2006 and 2008 data are 0.82 and 0.88, respectively. **Life Satisfaction** was measured in the HRS using Diener’s measure of life satisfaction (10), a well-established measure of self-evaluated life quality that has been used extensively in international comparative studies. Diener’s measure is a 5-item scale rated on a 7-point Likert scale (1 = Strongly disagree, 2 = Somewhat disagree, 3 = Slightly disagree, 4 = Neither agree nor disagree, 5 = Slightly agree, 6 = Somewhat agree, 7 = Strongly agree). Note, in 2006, a 6-point Likert scale was used (1 = Strongly disagree, 2 = Somewhat disagree, 3 = Slightly disagree, 4 = Slightly agree, 5 = Somewhat agree, 6 = Strongly agree). Life satisfaction is scored by taking the mean across five items: (i) In most ways my life is close to ideal; (ii) The conditions of my life are excellent; (iii) I am satisfied with my life; (iv) So far, I have gotten the important things I want in life (v) If I could live my life again, I would change almost nothing. These scores were then standardized to have a mean of 0 and standard deviation of 1. Scores were set to missing if there were three or more items with missing values. Cronbach’s alphas for the 2006 and 2008 data are 0.89 and 0.88, respectively.
Optimism and Pessimism were measured by Scheier and colleagues’ Life Orientation Test – Revised (11), which contained two 3-item subscales, each rated on a 6-point Likert-type scale (1 = Strongly disagree, 2 = Somewhat disagree, 3 = Slightly disagree, 4 = Slightly agree, 5 = Somewhat agree, 6 = Strongly agree). Optimism was scored as the mean response score to the items: (i) I’m always optimistic about my future; (ii) In uncertain times, I usually expect the best; and (iii) Overall, I expect more good things to happen to me than bad. Pessimism was scored by taking the mean response to three items: (i) If something can go wrong for me it will; (ii) I hardly ever expect things to go my way; and (iii) I rarely count on good things happening to me. Each mean score was then standardized to have a mean of 0 and standard deviation of 1. If either scale was missing more than one response value, the score was set to missing. Cronbach’s alpha for optimism in the 2006 and 2008 data is 0.80 and 0.79, respectively. Cronbach’s alphas for pessimism in the 2006 and 2008 data are 0.77 and 0.76, respectively.

Positive Affect and Negative Affect were measured differently between 2006 and 2008. In 2006, they were measured using a scale taken from MIDUS, based on the work of Mroczek and Kolarz (12), which contained two 6-item subscales, each rated on a 5-point Likert-type scale (1 = All of the time, 2 = Most of the time, 3 = Some of the time, 4 = A little of the time, 5 = None of the time). The positive affect scale was created by averaging responses to the following items: (i) cheerful; (ii) in good spirits; (iii) extremely happy; (iv) calm and peaceful; (v) satisfied; and (vi) full of life. The negative affect scale was created by reverse-coding, standardizing, and averaging responses to the following items: (i) so depressed that nothing could cheer you up; (ii) hopeless; (iii) restless or fidgety; (iv) that everything was an effort; (v) worthless; and (vi) nervous. All items were reverse-coded. These scores were then standardized to have a mean of 0 and standard
deviation of 1. If responses to more than 3 items were missing, then the score was set as missing.

Cronbach’s alphas for positive affect and negative affect in 2006 are 0.92 and 0.88, respectively. Starting in 2008, affect was measured by a modified version of Watson and Clarks’ Positive and Negative Affect Schedule – Expanded Form (PANAS-X; (13)). This scale contained 25 items (13 positive valance and 12 negative valance) and measured the degree to which an individual an individual’s feelings corresponded to each item using a 5-point Likert scale (1 = Very much, 2 = Quite a bit, 3 = Moderately, 4 = A little, 5 = Not at all). A positive affect score was calculated by averaging responses to the following: (i) Determined; (ii) Enthusiastic; (iii) Active; (iv) Proud; (v) Interested; (vi) Happy; (vii) Attentive; (viii) Content*; (ix) Inspired; (x) Hopeful*; (xi) Alert; (xii) Calm; and (xiii) Excited. Similarly, a negative affect score was calculated by reverse-coding, standardizing, and averaging responses to the following: (i) Afraid; (ii) Upset; (iii) Guilty; (iv) Scared; (v) Frustrated*; (vi) Bored*; (vii) Hostile; (viii) Jittery; (ix) Ashamed; (x) Nervous; (xi) Sad; and (xii) Distressed. Asterisks (*) denote items that were not present in the PANAS-X, but rather were added from the work of other researchers in this area. All items were reverse-coded. These scores were then standardized to have a mean of 0 and standard deviation of 1. Values were set to missing if there were seven or more missing values.

Cronbach’s alphas for positive affect and negative affect in 2008 are 0.92 and 0.89, respectively.

Purpose in Life was assessed using a subscale of the Ryff Measures of Psychological Well-being (14) which contained a 7-item scale rated on a 6-point Likert scale (1 = Strongly disagree, 2 = Somewhat disagree, 3 = Slightly disagree, 4 = Slightly agree, 5 = Somewhat agree, 6 = Strongly agree). Purpose in life is scored by taking the mean across seven items: (i) I enjoy making plans for the future and working to make them a reality; (ii) My daily activities often seem trivial and unimportant to me; (iii) I am an active person in carrying out the plans I set for
myself; (iv) I don't have a good sense of what it is I'm trying to accomplish in life; (v) I sometimes feel as if I've done all there is to do in life; (vi) I live life one day at a time and don’t really think about the future; (vii) I have a sense of direction and purpose in my life. Items (ii), (iv), (v), and (vi) were reverse coded. These scores were then standardized to have a mean of 0 and standard deviation of 1. Scores were set to missing if there were more than three items with missing values. Cronbach’s alphas for the 2006 and 2008 data are 0.74and 0.76 respectively.

**Religiosity** was measured with Fetzer Institute’s (15) 4-item scale rated on a 6 point Likert scale (1 = Strongly Disagree; 2 = Somewhat Disagree; 3 = Slightly Disagree; 4 = Slightly Agree; 5 = Somewhat Agree; 6 = Strongly Agree). Religiosity is scored by taking the mean across four items: (i) I believe in a God who watches over me; (ii) The events in my life unfold according to a divine or greater plan; (iii) I try hard to carry my religious beliefs over into all my other dealings in life; (iv) I find strength and comfort in my religion. These scores were then standardized to have a mean of 0 and standard deviation of 1. Scores were set to missing if there were two or more items with missing values. Cronbach’s alpha for the 2006 and 2008 data is 0.92.

**Perceived Constraints and Perceived Mastery** were measured using select items from the Sense of Control scale used in MIDUS. This scale include a 5-item subscale for perceived constraints and a 5-item subscale for perceived mastery, both measured on a 6-point Likert scale (1 = Strongly disagree, 2 = Somewhat disagree, 3 = Slightly disagree, 4 = Slightly agree, 5 = Somewhat agree, 6 = Strongly agree). Perceived constraints was scored by taking the mean across each item: (i) I often feel helpless in dealing with the problems of life; (ii) Other people determine most of what I can and cannot do; (iii) What happens in my life is often beyond my control; (iv) I have little control over the things that happen to me; and (v) There is really no way
I can solve the problems I have. Perceived mastery was scored by taking the mean across each item: (i) I can do just about anything I really set my mind to; (ii) When I really want to do something, I usually find a way to succeed at it; (iii) Whether or not I am able to get what I want is in my own hands; (iv) What happens to me in the future mostly depends on me; and (v) I can do the things that I want to do. These scores were then standardized to have a mean of 0 and standard deviation of 1. For each subscale, the score was set to missing if four or more items had missing values. Cronbach’s alphas for perceived constraints in 2006 and 2008 data are 0.86 and 0.87, respectively. Cronbach’s alphas for perceived mastery in 2006 and 2008 data are 0.89 and 0.89, respectively.

**Trait Anxiety** was assessed using a subscale of the Beck Anxiety Inventory (16) (1988), this subscale consisted of five items rated on a 4-point Likert scale (1 = Never, 2 = Hardly ever, 3 = Some of the time, 4 = Most of the time). Trait anxiety was scored by taking the mean across five items: (i) I had fear of the worst happening; (ii) I was nervous; (iii) I felt my hands trembling; (iv) I had a fear of dying; and (v) I felt faint. These scores were then standardized to have a mean of 0 and standard deviation of 1. Values were set as missing if there were three or more missing responses. Cronbach’s alphas for state anxiety in the 2006 and 2008 data are 0.81 and 0.82, respectively.

**Adulthood Adverse Experiences**

**Adult Psychosocial Adversity** (2) is a composite measure scored by summing the binary (0/1) responses to whether the respondent had experienced, at any age after 17, (i) the death of a child, (ii) a natural disaster, (iii) fired a weapon in combat, (iv) a partner addicted to drugs or alcohol, (v) being victim of a physical attack, and (vi) a spouse or child with a serious illness. The sum was then standardized to have a mean of 0 and standard deviation of 1.
**Daily Discrimination** was assessed using a short-form version of the Everyday Discrimination Scale by Williams and colleagues (17), which contained up to six items rated on a 6-point Likert-type scale (1 = Almost every day, 2 = At least once a week, 3 = A few times a month, 4 = A few times a year, 5 = Less than once a year, 6 = Never). In 2006, this scale was composed of the items: (i) You are treated with less courtesy or respect than other people; (ii) You receive poorer service than other people at restaurants or stores; (iii) People act as if they think you are not smart; (iv) People act as if they are afraid of you; and (v) You are threatened or harassed. In 2008, a sixth item was included to give more adult-relevant context: (vi) You receive poorer service or treatment than other people from doctors or hospitals. All items were reverse-coded and a composite daily discrimination score was produced by taking the mean of all items. This score was then standardized to have a mean of 0 and standard deviation of 1. Scores were set to missing if there were four or more items with missing values. Cronbach’s alphas for the 2006 and 2008 data were 0.80 and 0.82 respectively.

**Major Discrimination** was measured using the abbreviated version of the Major Experiences of Discrimination created by Williams and colleagues (17). This scale measured the number of major discriminatory events to which individual had been subjected. In 2006, individuals were asked if the following had happened: (i) At any time in your life, have you ever been unfairly dismissed from a job; (ii) For unfair reasons, have you ever not been hired for a job, (iii) Have you ever been unfairly denied a promotion; (iv) Have you ever been unfairly prevented from moving into a neighborhood because the landlord or a realtor refused to sell or rent you a house or apartment; (v) Have you ever been unfairly denied a bank loan; and (vi) Have you ever been unfairly stopped, searched, questioned, physically threatened or abused by the police. In 2008, an additional item was added to measure: (vii) Have you ever been unfairly denied health care or
treatment. Affirmative responses were coded as 1 while negative responses were coded as -1, and a sum score was created to represent the total number of major experiences of discrimination. This score was then standardized to have a mean of 0 and standard deviation of 1.
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Principal Components Analysis from the Health and Retirement Study

Principal component analyses demonstrated the following loadings within each domain. We report variance per dimension and cumulative variance.

1. Childhood Adversity

1.1 Eigenvalues for each Dimension

| Dimension | Eigenvalue | Variance (%) | Cumulative Variance (%) |
|-----------|------------|--------------|-------------------------|
| Dimension 1 | 2.195      | 31.355       | 31.355                  |
| Dimension 2 | 1.602      | 22.888       | 54.243                  |
| Dimension 3 | 0.916      | 13.085       | 67.328                  |
| Dimension 4 | 0.684      | 9.771        | 77.099                  |
| Dimension 5 | 0.663      | 9.470        | 86.569                  |
| Dimension 6 | 0.627      | 8.956        | 95.525                  |
| Dimension 7 | 0.313      | 4.475        | 100.000                 |

1.2 Contribution to each Dimension

| Lower Father | Dimension 1 | Dimension 2 | Dimension 3 | Dimension 4 | Dimension 5 |
|--------------|-------------|-------------|-------------|-------------|-------------|
| Occupational | 21.029      | 4.186       | 0.129       | 4.296       | 17.168      |
|                          | Lower Education | Father | Lower Education | Mother | Family Received Financial Help in Childhood | Father was Unemployed in Childhood | Relocated Homes in Childhood | Childhood Psychosocial Adversities |
|--------------------------|-----------------|--------|-----------------|--------|---------------------------------------------|----------------------------------|-------------------------------|----------------------------------|
| Education                | 29.356          | 8.849  | 0.000           | 1.106  | 0.337                                       | 9.035                            | 19.317                        | 2.734                            |
| Father                   |                 |        |                 |        |                                             | 61.585                           | 0.133                         |                                  |
| Education                | 26.045          | 9.695  | 0.061           | 3.307  | 2.620                                       |                                 |                               |                                  |
| Mother                   |                 |        |                 |        |                                             |                                  |                               |                                  |
| Family                   |                 |        |                 |        |                                             |                                  |                               |                                  |
| Received Financial Help  | 3.819           | 28.298 | 3.910           | 20.480 | 39.602                                      |                                  |                               |                                  |
| in Childhood             |                 |        |                 |        |                                             |                                  |                               |                                  |
| Father was Unemployed in |                 |        |                 |        |                                             |                                  |                               |                                  |
| in Childhood             |                 |        |                 |        |                                             |                                  |                               |                                  |
| Relocated Homes in       | 8.426           | 21.529 | 3.946           | 9.113  | 40.062                                      |                                  |                               |                                  |
| Childhood                |                 |        |                 |        |                                             |                                  |                               |                                  |
| Childhood                |                 |        |                 |        |                                             |                                  |                               |                                  |
| Psychosocial Adversities | 2.290           | 8.126  | 89.220          | 0.113  | 0.078                                       |                                  |                               |                                  |
| Adversities              |                 |        |                 |        |                                             |                                  |                               |                                  |
2. Adulthood Socioeconomic

2.1 Eigenvalues for each Dimension

| Dimension   | Eigenvalue | Variance (%) | Cumulative Variance (%) |
|-------------|------------|--------------|-------------------------|
| Dimension 1 | 3.297      | 25.360       | 25.360                  |
| Dimension 2 | 1.456      | 11.203       | 36.564                  |
| Dimension 3 | 1.290      | 9.920        | 46.484                  |
| Dimension 4 | 1.070      | 8.230        | 54.714                  |
| Dimension 5 | 0.888      | 6.835        | 61.548                  |
| Dimension 6 | 0.833      | 6.409        | 67.958                  |
| Dimension 7 | 0.797      | 6.130        | 74.088                  |
| Dimension 8 | 0.689      | 5.298        | 79.386                  |
| Dimension 9 | 0.677      | 5.211        | 84.597                  |
| Dimension 10| 0.643      | 4.943        | 89.540                  |
| Dimension 11| 0.512      | 3.935        | 93.475                  |
| Dimension 12| 0.488      | 3.754        | 97.228                  |
| Dimension 13| 0.360      | 2.772        | 100.000                 |

2.2 Contribution to each Dimension

| Dimension 1 | Dimension 2 | Dimension 3 | Dimension 4 | Dimension 5 |
|-------------|-------------|-------------|-------------|-------------|
| Lower Income| 2.482       | 0.273       | 28.081      | 15.359      | 0.714       |
| Lower Wealth| 4.595       | 0.089       | 24.176      | 16.184      | 0.391       |
| Dimension                      | Variance (%) | Cumulative Variance (%) |
|-------------------------------|--------------|-------------------------|
| **Lower Education**           | 10.507       | 10.008                  |
| **Lower Occupational Status** | 8.121        | 10.927                  |
| **Recent Financial Difficulties** | 8.353      | 6.279                   |
| **History of Unemployment**   | 3.217        | 7.027                   |
| **History of Renting**        | 5.580        | 7.731                   |
| **History of Food Insecurity**| 7.651        | 6.799                   |
| **History of Food Stamps**    | 11.378       | 5.606                   |
| **History of Medicaid**       | 11.244       | 3.613                   |
| **Lower Neighborhood**        | 7.629        | 3.122                   |
| **Cohesion**                  | 29.704       | 0.952                   |
| **Neighborhood Disorder**     | 9.539        | 0.769                   |
| **Lower Neighborhood**        | 9.705        | 0.009                   |
| **Safety**                    |              | 0.984                   |

3. Adulthood Health Behaviour

3.1 Eigenvalues for each Dimension

| Dimension | Variance (%) | Cumulative Variance (%) |
|-----------|--------------|-------------------------|
| **Dimension 1** | 1.483 | 24.715 |
| **Dimension 2** | 1.317 | 21.943 |
| **Dimension 3** | 0.946 | 15.760 |
Dimension 4 0.909 15.155 77.573
Dimension 5 0.685 11.421 88.994
Dimension 6 0.660 11.006 100.000

3.2 Contribution to each Dimension

|                        | Dimension 1 | Dimension 2 | Dimension 3 | Dimension 4 | Dimension 5 |
|------------------------|-------------|-------------|-------------|-------------|-------------|
| Alcohol Abuse          | 6.086       | 13.815      | 0.237       | 79.630      | 0.019       |
| Current Smoker         | 29.886      | 11.209      | 0.563       | 6.615       | 8.788       |
| History of Smoking     | 23.081      | 18.178      | 0.118       | 11.335      | 7.826       |
| Low/No Moderate Activity| 17.945      | 24.880      | 4.743       | 1.563       | 45.539      |
| Low/No Vigorous Activity| 16.500      | 26.627      | 6.247       | 0.786       | 37.788      |
| Sleep Problems         | 6.502       | 5.291       | 88.092      | 0.070       | 0.039       |
4. Adulthood Social Connection

4.1 Eigenvalues for each Dimension

| Dimension | Eigenvalue | Variance (%) | Cumulative Variance (%) |
|-----------|------------|--------------|-------------------------|
| Dimension 1 | 2.435       | 30.440       | 30.440                  |
| Dimension 2 | 1.365       | 17.057       | 47.497                  |
| Dimension 3 | 1.109       | 13.863       | 61.360                  |
| Dimension 4 | 0.867       | 10.839       | 72.199                  |
| Dimension 5 | 0.741       | 9.265        | 81.464                  |
| Dimension 6 | 0.610       | 7.620        | 89.084                  |
| Dimension 7 | 0.485       | 6.066        | 95.150                  |
| Dimension 8 | 0.388       | 4.850        | 100.000                 |

4.2 Contribution to each Dimension

|                      | Dimension 1 | Dimension 2 | Dimension 3 | Dimension 4 | Dimension 5 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| History of Divorce   | 2.277       | 1.581       | 49.552      | 29.317      | 12.814      |
| Never Married        | 0.146       | 9.666       | 35.967      | 51.475      | 2.101       |
| Lower Positive       | 18.533      | 11.568      | 0.005       | 6.020       | 6.507       |
| Interactions with Children |        |             |             |             |             |
| Negative Interactions with Children | 24.451 | 5.597 | 0.108 | 0.114 | 3.150 |
|                          |        |        |        |        |        |
|--------------------------|--------|--------|--------|--------|--------|
| **Lower Positive**       | 11.583 | 21.553 | 2.931  | 0.388  | 14.141 |
| Interactions with Family |        |        |        |        |        |
| **Negative Interactions with Family** | 21.655 | 10.737 | 0.220  | 2.910  | 0.777  |
| **Lower Positive**       | 4.282  | 26.406 | 11.211 | 4.237  | 43.462 |
| Interactions with Friends|        |        |        |        |        |
| **Negative Interactions with Friends** | 17.074 | 12.892 | 0.006  | 5.539  | 17.048 |
5. Adulthood Psychological

5.1 Eigenvalues for each Dimension

| Dimension | Variance | Cumulative Variance |
|-----------|----------|---------------------|
|           | eigenvalue | (%)               | (%)               |
| Dimension 1 | 6.250      | 31.249             | 31.249             |
| Dimension 2 | 2.407      | 12.034             | 43.284             |
| Dimension 3 | 1.242      | 6.210              | 49.494             |
| Dimension 4 | 1.045      | 5.227              | 54.720             |
| Dimension 5 | 1.013      | 5.065              | 59.785             |
| Dimension 6 | 0.933      | 4.664              | 64.450             |
| Dimension 7 | 0.821      | 4.105              | 68.555             |
| Dimension 8 | 0.709      | 3.546              | 72.100             |
| Dimension 9 | 0.669      | 3.346              | 75.447             |
| Dimension 10 | 0.642     | 3.210              | 78.657             |
| Dimension 11 | 0.579     | 2.895              | 81.552             |
| Dimension 12 | 0.557     | 2.787              | 84.339             |
| Dimension 13 | 0.475      | 2.377              | 86.716             |
| Dimension 14 | 0.445     | 2.226              | 88.942             |
| Dimension 15 | 0.440      | 2.202              | 91.143             |
| Dimension 16 | 0.422      | 2.112              | 93.255             |
| Dimension 17 | 0.388      | 1.939              | 95.194             |
| Dimension 18 | 0.364      | 1.820              | 97.015             |
| Dimension 19 | 0.316      | 1.578              | 98.593             |
| Dimension 20 | 0.281 | 1.407 | 100.000 |
## 5.2 Contribution to each Dimension

| Dimension                          | Dimension 1 | Dimension 2 | Dimension 3 | Dimension 4 | Dimension 5 |
|------------------------------------|-------------|-------------|-------------|-------------|-------------|
| Lower Agreeableness               | 0.291       | 23.706      | 0.902       | 5.436       | 0.057       |
| Lower Extroversion                 | 5.429       | 8.232       | 1.396       | 1.817       | 1.225       |
| Lower Neuroticism                  | 2.711       | 11.823      | 0.936       | 6.503       | 5.968       |
| Lower Conscientiousness           | 3.998       | 15.532      | 0.820       | 3.811       | 1.935       |
| Lower Openness to                  | 4.678       | 13.749      | 1.404       | 0.234       | 0.042       |
| Experiences                        |             |             |             |             |             |
| Anger Out                          | 1.865       | 2.288       | 0.541       | 2.989       | 26.467      |
| Anger In                           | 1.778       | 1.672       | 3.473       | 1.056       | 29.504      |
| Cynical Hostility                  | 3.563       | 2.664       | 19.966      | 12.140      | 1.098       |
| Hopelessness                       | 8.797       | 1.529       | 6.836       | 2.184       | 4.524       |
| Loneliness                         | 6.129       | 3.200       | 0.621       | 0.288       | 0.698       |
| Lower Life Satisfaction           | 8.192       | 0.845       | 2.022       | 0.000       | 0.301       |
| Lower Optimism                     | 3.935       | 0.036       | 12.284      | 0.564       | 9.148       |
| Pessimism                          | 6.770       | 2.196       | 14.374      | 6.347       | 1.875       |
| Lower Positive                     | 9.138       | 0.025       | 2.401       | 0.000       | 0.030       |
| Affectivity                        |             |             |             |             |             |
| Negative Affectivity               | 4.863       | 5.320       | 1.453       | 8.863       | 0.701       |
| Lower Purpose in Life             | 8.660       | 0.447       | 0.053       | 0.000       | 1.162       |
| Lower Religiosity                  | 0.119       | 0.402       | 21.064      | 36.819      | 0.053       |
| Perceptions of Obstacles          | 8.247       | 1.337       | 1.916       | 0.467       | 2.310       |
| Trait               | Value1 | Value2 | Value3 | Value4 | Value5 |
|---------------------|--------|--------|--------|--------|--------|
| Lower Sense of Mastery | 5.094  | 0.264  | 7.036  | 1.974  | 11.282 |
| Trait Anxiety       | 5.743  | 4.731  | 0.501  | 8.508  | 1.621  |
6. Adulthood Adverse Experience

6.1 Eigenvalues for each Dimension

| Dimension   | Eigenvalue | Variance (%) | Cumulative Variance (%) |
|-------------|------------|--------------|-------------------------|
| Dimension 1 | 1.373      | 45.766       | 45.766                  |
| Dimension 2 | 0.943      | 31.447       | 77.213                  |
| Dimension 3 | 0.684      | 22.787       | 100.000                 |

6.2 Contribution to each Dimension

| Dimension                              | Dimension 1 | Dimension 2 | Dimension 3 |
|----------------------------------------|-------------|-------------|-------------|
| Adulthood Psychosocial Adversity       | 14.881      | 82.297      | 2.822       |
| Daily Discrimination                   | 40.082      | 15.425      | 44.493      |
| Major Discrimination                   | 45.037      | 2.279       | 52.685      |
Figure S1. Random forest survival analysis to predict survival over the follow-up period, Health and Retirement Study.

The figure shows positive variable importance in blue, which indicates this factor increases the predictive nature of the model. Negative variable importance is shown in red, indicating these variables decrease the accuracy of prediction. This is likely due to random error. Note that the variable importance scale is quite low, meaning that based on the random forest model with
baseline hazard of age, these variables are not highly predictive of survival relative to age in this model.
Figure S2. Correlations among predictors, Health and Retirement Study
**Table S1.** List of predictor variables in the current study, including descriptive statistics, Health and Retirement Study

| Variable                                    | Statistic       | Missing (%) |
|---------------------------------------------|-----------------|-------------|
| **Demographics**                            |                 |             |
| Age, years (SD)                             | 69.35 (9.67)    | 0.00%       |
| Men, N (%)                                  | 5630 (41.36%)   | 0.00%       |
| Race                                        |                 | 0.01%       |
| Hispanic White, N (%)                       | 768 (5.64%)     |             |
| White, N (%)                                | 10563 (77.61%)  |             |
| Hispanic Black, N (%)                       | 26 (0.19%)      |             |
| Hispanic Other, N (%)                       | 268 (1.97%)     |             |
| Non-Hispanic Black, N (%)                   | 1715 (12.6%)    |             |
| Other, N (%)                                | 270 (1.98%)     |             |
| Foreign Born, N born outside United States  | 1221 (8.97%)    | 0.09%       |
| **Childhood Adversity**                     |                 |             |
| Lower Father Occupational Status, units (SD)| 4.91 (1.74)     | 30.48%      |
| Lower Education Father, years (SD)          | 9.28 (3.77)     | 14.15%      |
| Lower Education Mother, years (SD)          | 9.62 (3.46)     | 9.32%       |
| Family Received Financial Help in Childhood, N received help (%) | 1799 (13.22%) | 1.52%       |
|                                                                 | N         | %       |
|------------------------------------------------------------------|-----------|---------|
| Father was Unemployed in Childhood, N unemployed (%)             | 2708      | 19.90%  |
| Relocated Homes in Childhood, N relocated (%)                    | 2479      | 18.21%  |
| Childhood Psychosocial Adversities, units (SD)                   | 0.35      | (0.61)  |
| **Adulthood Socioeconomic**                                      |           |         |
| Lower Income, dollars (SD)                                       | 63816.99  | 0.00%   |
|                                                                | (166412.44) |         |
| Lower Wealth, dollars (SD)                                       | 508557.77 | 0.00%   |
|                                                                | (1239010.97) |         |
| Lower Education, units (SD)                                      | 3.21      | (1.36)  |
| Lower Occupational Status, units (SD)                           | 3.53      | (1.82)  |
| Recent Financial Difficulties, units (SD)                       | 1.96      | (1.00)  |
| History of Unemployment, N unemployed (%)                        | 1143      | (8.40%) |
| History of Renting, N rented (%)                                 | 2976      | (21.86%)|
| History of Food Insecurity, N food insecure (%)                  | 2629      | (19.32%)|
| History of Food Stamps, N on food stamps (%)                     | 1373      | (10.09%)|
| History of Medicaid, N using medicaid (%)                        | 1619      | (11.89%)|
| Lower Neighborhood Cohesion, units (SD)                          | 5.53      | (1.36)  |
| Neighborhood Disorder, units (SD)                               | 2.47      | (1.36)  |
| Lower Neighborhood Safety, units (SD)                            | 2.04      | (1.02)  |
| **Adulthood Health Behaviors**                                   |           |         |
| Alcohol Abuse, N heavy drinker (%) | 929 (6.83%) | 0.11% |
|----------------------------------|------------|-------|
| Current Smoker, N smokers (%)    | 1696 (12.46%) | 0.68% |
| History of Smoking, N smokers (%) | 7688 (56.48%) | 0.68% |
| Low/No Moderate Activity, N with < 2 bouts per week (%) | 6239 (45.84%) | 0.03% |
| Low/No Vigorous Activity, N with < 2 bouts per week (%) | 10480 (77.00%) | 0.08% |
| Sleep Problems, N restless sleep (%) | 4039 (29.67%) | 1.67% |

**Adulthood Social Connections**

| History of Divorce, N divorced (%) | 4275 (31.41%) | 0.00% |
|----------------------------------|------------|-------|
| Never Married, N never married (%) | 438 (3.22%) | 0.00% |
| Lower Positive Interactions with Children, units (SD) | 3.28 (0.72) | 10.55% |
| Negative Interactions with Children, units (SD) | 1.69 (0.63) | 11.38% |
| Lower Positive Interactions with Family, units (SD) | 2.89 (0.87) | 7.81% |
| Negative Interactions with Family, units (SD) | 1.57 (0.62) | 9.62% |
| Lower Positive Interactions with Friends, units (SD) | 3.05 (0.75) | 9.23% |
| Negative Interactions with Friends, units (SD) | 1.41 (0.49) | 10.48% |

**Adulthood Psychological**

| Lower Agreeableness, units (SD) | 2.73 (0.38) | 5.09% |
|--------------------------------|------------|-------|
| Lower Extroversion, units (SD)  | 3.20 (0.55) | 5.22% |
| Lower Neuroticism, units (SD)   | 2.86 (0.37) | 4.24% |
| Measure                                      | Mean (SD)   | Percent |
|----------------------------------------------|-------------|---------|
| Lower Conscientiousness, units (SD)          | 3.06 (0.41) | 5.89%   |
| Lower Openness to Experiences, units (SD)    | 2.94 (0.55) | 7.13%   |
| Anger Out, units (SD)                        | 1.49 (0.51) | 4.64%   |
| Anger In, units (SD)                         | 2.17 (0.68) | 3.97%   |
| Cynical Hostility, units (SD)                | 2.93 (1.13) | 6.95%   |
| Hopelessness, units (SD)                     | 2.39 (1.29) | 4.30%   |
| Loneliness, units (SD)                       | 1.48 (0.54) | 2.89%   |
| Lower Life Satisfaction, units (SD)          | 4.38 (1.21) | 49.64%  |
| Lower Optimism, units (SD)                   | 4.54 (1.15) | 4.07%   |
| Pessimism, units (SD)                        | 2.60 (1.29) | 4.61%   |
| Lower Positive Affectivity, units (SD)       | 3.59 (0.74) | 6.73%   |
| Negative Affectivity, units (SD)             | 1.96 (0.56) | 5.88%   |
| Lower Purpose in Life, units (SD)            | 4.59 (0.93) | 6.56%   |
| Lower Religiosity, units (SD)                | 5.03 (1.38) | 3.25%   |
| Perceptions of Obstacles, units (SD)         | 2.22 (1.20) | 3.35%   |
| Lower Sense of Mastery, units (SD)           | 4.76 (1.11) | 2.99%   |
| Trait Anxiety, units (SD)                    | 1.57 (0.58) | 3.70%   |

### Adulthood Adverse Experiences

| Measure                                      | Mean (SD)   | Percent |
|----------------------------------------------|-------------|---------|
| Adulthood Psychosocial Adversity, units (SD) | 1.22 (1.15) | 4.05%   |
| Daily Discrimination, units (SD)             | 1.61 (0.73) | 3.42%   |
| Major discrimination, units (SD)             | 0.46 (0.88) | 4.63%   |
**Table S2.** Hazard ratios and 95% confidence intervals for each interaction between each predictor and gender, Health and Retirement Study

| Variable                                           | HR for interaction | 95% CI        |
|----------------------------------------------------|--------------------|---------------|
| **Childhood Adversity**                            |                    |               |
| Lower Father Occupational Status                   | 1.036              | (0.963, 1.114)|
| Lower Education Father                             | 0.970              | (0.866, 1.085)|
| Lower Education Mother                             | 0.959              | (0.859, 1.070)|
| Family Received Financial Help in Childhood        | 0.981              | (0.880, 1.094)|
| Father was Unemployed in Childhood                 | 0.948              | (0.872, 1.031)|
| Relocated Homes in Childhood                       | 1.033              | (0.948, 1.125)|
| Childhood Psychosocial Adversities                 | 0.961              | (0.886, 1.042)|
| **Adulthood Socioeconomic**                        |                    |               |
| Lower Income                                       | 1.034              | (0.870, 1.230)|
| Lower Wealth                                       | 1.069              | (0.940, 1.216)|
| Lower Education                                    | 1.033              | (0.962, 1.110)|
| Lower Occupational Status                          | 1.056              | (0.951, 1.172)|
| Recent Financial Difficulties                       | 1.081              | (1.002, 1.167)|
| History of Unemployment                            | 0.928              | (0.776, 1.109)|
| History of Renting                                 | 1.044              | (0.960, 1.136)|
| History of Food Insecurity                         | 1.036              | (0.943, 1.138)|
| History of Food Stamps                             | 1.087              | (0.946, 1.249)|
| History of Medicaid                                | 1.043              | (0.942, 1.155)|
| Category                        | Value | Confidence Interval |
|--------------------------------|-------|---------------------|
| Lower Neighborhood Cohesion    | 0.982 | (0.915, 1.054)      |
| Neighborhood Disorder          | 1.024 | (0.949, 1.106)      |
| Lower Neighborhood Safety      | 1.032 | (0.957, 1.113)      |
| **Adulthood Health Behaviors** |       |                     |
| Alcohol Abuse                  | 1.070 | (0.868, 1.320)      |
| Current Smoker                 | 0.988 | (0.887, 1.102)      |
| History of Smoking             | 0.950 | (0.877, 1.029)      |
| Low/No Moderate Activity       | 1.030 | (0.958, 1.108)      |
| Low/No Vigorous Activity       | 0.993 | (0.892, 1.107)      |
| Sleep Problems                 | 1.060 | (0.977, 1.150)      |
| **Adulthood Social Connections**|      |                     |
| History of Divorce             | 0.966 | (0.885, 1.055)      |
| Never Married                  | 1.006 | (0.801, 1.263)      |
| Lower Positive Interactions    | 1.002 | (0.923, 1.087)      |
| Negative Interactions          | 1.023 | (0.936, 1.118)      |
| Lower Positive Interactions    | 0.992 | (0.918, 1.072)      |
| Negative Interactions          | 1.021 | (0.931, 1.119)      |
| Lower Positive Interactions    | 0.995 | (0.922, 1.073)      |
| Negative Interactions          | 1.032 | (0.955, 1.115)      |
| **Adulthood Psychological**    |       |                     |
| Lower Agreeableness            | 0.976 | (0.909, 1.048)      |
| Lower Extroversion             | 0.954 | (0.887, 1.028)      |
| Lower Neuroticism              | 1.002 | (0.938, 1.072)      |
|                                |    |       |
|--------------------------------|----|-------|
| **Lower Conscientiousness**    | 0.998 | (0.938, 1.062) |
| **Lower Openness to Experiences** | 0.986 | (0.919, 1.059) |
| **Anger Out**                  | 0.999 | (0.917, 1.088) |
| **Anger In**                   | 0.991 | (0.916, 1.072) |
| **Cynical Hostility**          | 1.041 | (0.962, 1.126) |
| **Hopelessness**               | 0.983 | (0.913, 1.058) |
| **Loneliness**                 | 0.981 | (0.91, 1.058) |
| **Lower Life Satisfaction**    | 0.999 | (0.905, 1.102) |
| **Lower Optimism**             | 0.965 | (0.896, 1.040) |
| **Pessimism**                  | 0.986 | (0.914, 1.064) |
| **Lower Positive Affectivity** | 0.993 | (0.917, 1.075) |
| **Negative Affectivity**       | 0.971 | (0.904, 1.042) |
| **Lower Purpose in Life**      | 0.975 | (0.905, 1.051) |
| **Lower Religiosity**          | 0.995 | (0.920, 1.076) |
| **Perceptions of Obstacles**   | 0.984 | (0.919, 1.053) |
| **Lower Sense of Mastery**     | 1.012 | (0.945, 1.084) |
| **Trait Anxiety**              | 1.008 | (0.935, 1.088) |
| **Adulthood Adverse Experiences** |       |       |
| **Adulthood Psychosocial Adversity** | 1.053 | (0.977, 1.135) |
| **Daily Discrimination**       | 0.988 | (0.912, 1.069) |
| **Major Discrimination**       | 1.001 | (0.918, 1.093) |
**Table S3.** Hazard ratios and 95% confidence intervals for each interaction between each predictor and identification as White or non-White, Health and Retirement Study

| Variable                                      | HR for interaction | 95% CI          |
|-----------------------------------------------|--------------------|-----------------|
| **Childhood Adversity**                      |                    |                 |
| Lower Father Occupational Status             | 1.168              | (0.826, 1.654)  |
| Lower Education Father                       | 1.009              | (0.693, 1.469)  |
| Lower Education Mother                       | 0.965              | (0.633, 1.470)  |
| Family Received Financial Help in Childhood  | 1.102              | (0.822, 1.477)  |
| Father was Unemployed in Childhood           | 0.827              | (0.628, 1.090)  |
| Relocated Homes in Childhood                 | 0.952              | (0.733, 1.236)  |
| Childhood Psychosocial Adversities           | 1.027              | (0.794, 1.329)  |
| **Adulthood Socioeconomic**                  |                    |                 |
| Lower Income                                 | 0.420              | (0.065, 2.726)  |
| Lower Wealth                                 | 0.655              | (0.129, 3.330)  |
| Lower Education                              | 1.148              | (0.913, 1.445)  |
| Lower Occupational Status                   | 0.961              | (0.717, 1.287)  |
| Recent Financial Difficulties                | 1.080              | (0.842, 1.387)  |
| History of Unemployment                      | 0.713              | (0.460, 1.106)  |
| History of Renting                           | 0.898              | (0.695, 1.160)  |
| History of Food Insecurity                   | 0.909              | (0.710, 1.163)  |
| History of Food Stamps                       | 1.003              | (0.725, 1.388)  |
| History of Medicaid                          | 0.907              | (0.697, 1.181)  |
| Lower Neighborhood Cohesion  | 0.989 | (0.801, 1.222) |
|-----------------------------|-------|----------------|
| Neighborhood Disorder       | 1.049 | (0.818, 1.345) |
| Lower Neighborhood Safety   | 1.037 | (0.816, 1.318) |
| **Adulthood Health Behaviors** |       |                |
| Alcohol Abuse               | 1.092 | (0.659, 1.809) |
| Current Smoker              | 1.122 | (0.850, 1.481) |
| History of Smoking          | 1.085 | (0.852, 1.380) |
| Low/No Moderate Activity    | 1.055 | (0.826, 1.348) |
| Low/No Vigorous Activity    | 1.014 | (0.690, 1.489) |
| Sleep Problems              | 1.108 | (0.845, 1.453) |
| **Adulthood Social Connections** |       |                |
| History of Divorce          | 1.089 | (0.825, 1.437) |
| Never Married               | 0.851 | (0.475, 1.525) |
| Lower Positive Interactions with Children | 1.098 | (0.855, 1.410) |
| Negative Interactions with Children | 1.071 | (0.758, 1.513) |
| Lower Positive Interactions with Family | 0.989 | (0.756, 1.293) |
| Negative Interactions with Family | 1.124 | (0.821, 1.538) |
| Lower Positive Interactions with Friends | 0.918 | (0.726, 1.160) |
| Negative Interactions with Friends | 1.000 | (0.803, 1.247) |
| **Adulthood Psychological** |       |                |
| Lower Agreeableness         | 1.039 | (0.802, 1.346) |
| Lower Extroversion           | 0.979 | (0.762, 1.257) |
| Lower Neuroticism           | 1.035 | (0.843, 1.272) |
| Variable                                      | Estimate | Lower CI | Upper CI |
|-----------------------------------------------|----------|----------|----------|
| Lower Conscientiousness                      | 1.059    | (0.890, 1.261) |
| Lower Openness to Experiences                | 0.983    | (0.770, 1.255) |
| Anger Out                                     | 1.051    | (0.833, 1.326) |
| Anger In                                      | 1.059    | (0.821, 1.364) |
| Cynical Hostility                            | 0.971    | (0.762, 1.237) |
| Hopelessness                                  | 0.921    | (0.717, 1.183) |
| Loneliness                                   | 1.093    | (0.878, 1.361) |
| Lower Life Satisfaction                      | 1.029    | (0.786, 1.348) |
| Lower Optimism                               | 1.096    | (0.857, 1.401) |
| Pessimism                                    | 0.989    | (0.775, 1.261) |
| Lower Positive Affectivity                   | 1.004    | (0.797, 1.265) |
| Negative Affectivity                         | 1.128    | (0.912, 1.395) |
| Lower Purpose in Life                        | 0.961    | (0.731, 1.264) |
| Lower Religiosity                            | 0.916    | (0.701, 1.196) |
| Perceptions of Obstacles                     | 1.062    | (0.860, 1.310) |
| Lower Sense of Mastery                       | 1.077    | (0.873, 1.328) |
| Trait Anxiety                                | 1.150    | (0.914, 1.448) |
| **Adulthood Adverse Experiences**            |          |          |          |
| Adulthood Psychosocial Adversity             | 1.093    | (0.841, 1.420) |
| Daily Discrimination                         | 1.119    | (0.883, 1.418) |
| Major Discrimination                         | 1.101    | (0.896, 1.353) |
Table S4. Hazard ratios and 95% confidence intervals for each interaction between each predictor and whether educational status (completed high school or not), Health and Retirement Study

| Variable                                      | HR for interaction | 95% CI         |
|-----------------------------------------------|--------------------|----------------|
| **Childhood Adversity**                       |                    |                |
| Lower Father Occupational Status              | 0.917              | (0.786, 1.070) |
| Lower Education Father                        | 1.027              | (0.811, 1.301) |
| Lower Education Mother                        | 1.044              | (0.825, 1.322) |
| Family Received Financial Help in Childhood   | 0.919              | (0.789, 1.070) |
| Father was Unemployed in Childhood            | 0.995              | (0.852, 1.162) |
| Relocated Homes in Childhood                  | 0.954              | (0.820, 1.109) |
| Childhood Psychosocial Adversities            | 0.952              | (0.797, 1.137) |
| **Adulthood Socioeconomic**                   |                    |                |
| Lower Income                                  | 0.858              | (0.574, 1.285) |
| Lower Wealth                                  | 1.209              | (0.875, 1.671) |
| Lower Education                               | 0.824              | (0.649, 1.047) |
| Lower Occupational Status                    | 0.949              | (0.755, 1.193) |
| Recent Financial Difficulties                 | 0.915              | (0.760, 1.102) |
| History of Unemployment                       | 0.907              | (0.762, 1.080) |
| History of Renting                            | 0.956              | (0.822, 1.112) |
| History of Food Insecurity                    | 1.020              | (0.879, 1.185) |
| History of Food Stamps                        | 0.884              | (0.756, 1.034) |
|                                | Odds Ratio (95% CI) |
|--------------------------------|---------------------|
| History of Medicaid            | 0.884 (0.758, 1.032) |
| Lower Neighborhood Cohesion    | 1.002 (0.851, 1.180) |
| Neighborhood Disorder          | 1.012 (0.859, 1.192) |
| Lower Neighborhood Safety      | 1.000 (0.848, 1.180) |
| **Adulthood Health Behaviors** |                     |
| Alcohol Abuse                  | 0.886 (0.760, 1.034) |
| Current Smoker                 | 0.901 (0.772, 1.050) |
| History of Smoking             | 1.078 (0.927, 1.254) |
| Low/No Moderate Activity       | 0.982 (0.845, 1.142) |
| Low/No Vigorous Activity       | 1.009 (0.866, 1.174) |
| Sleep Problems                 | 0.924 (0.792, 1.078) |
| **Adulthood Social Connections** |                   |
| History of Divorce             | 0.980 (0.842, 1.140) |
| Never Married                  | 0.875 (0.751, 1.019) |
| Lower Positive Interactions with Children | 0.952 (0.808, 1.122) |
| Negative Interactions with Children | 0.922 (0.778, 1.092) |
| Lower Positive Interactions with Family | 1.074 (0.917, 1.259) |
| Negative Interactions with Family | 0.976 (0.810, 1.175) |
| Lower Positive Interactions with Friends | 1.065 (0.914, 1.242) |
| Negative Interactions with Friends | 0.988 (0.834, 1.171) |
| **Adulthood Psychological**   |                     |
| Lower Agreeableness            | 1.030 (0.892, 1.189) |
| Lower Extroversion             | 1.037 (0.883, 1.217) |
|                           | Value  | 95% CI         |
|---------------------------|--------|----------------|
| Lower Neuroticism         | 0.966  | (0.835, 1.119) |
| Lower Conscientiousness   | 0.983  | (0.854, 1.132) |
| Lower Openness to Experiences | 0.982 | (0.841, 1.146) |
| Anger Out                 | 0.982  | (0.826, 1.166) |
| Anger In                  | 0.986  | (0.836, 1.163) |
| Cynical Hostility         | 1.001  | (0.845, 1.186) |
| Hopelessness              | 1.018  | (0.866, 1.197) |
| Loneliness                | 0.954  | (0.813, 1.120) |
| Lower Life Satisfaction   | 0.982  | (0.801, 1.204) |
| Lower Optimism            | 0.941  | (0.807, 1.098) |
| Pessimism                 | 0.997  | (0.840, 1.183) |
| Lower Positive Affectivity | 0.988  | (0.838, 1.164) |
| Negative Affectivity      | 0.923  | (0.781, 1.092) |
| Lower Purpose in Life     | 0.980  | (0.842, 1.140) |
| Lower Religiosity         | 1.019  | (0.872, 1.191) |
| Perceptions of Obstacles  | 0.959  | (0.831, 1.108) |
| Lower Sense of Mastery    | 1.002  | (0.873, 1.150) |
| Trait Anxiety             | 0.961  | (0.806, 1.146) |

**Adulthood Adverse Experiences**

|                           | Value  | 95% CI         |
|---------------------------|--------|----------------|
| Adulthood Psychosocial Adversity | 0.898 | (0.771, 1.045) |
| Daily Discrimination      | 0.898  | (0.756, 1.066) |
| Major Discrimination      | 1.041  | (0.868, 1.247) |
Table S5. Hazard ratios and 95% confidence intervals for each interaction between each predictor and age (<75 vs 75+), Health and Retirement Study.

| Variable                                           | Interaction effect | <75  | 75+  |
|----------------------------------------------------|--------------------|------|------|
|                                                    | 95% CI             | HR   | 95% CI| HR   | 95% CI |
| **Childhood Adversity**                            |                    |      |      |
| Lower Father Occupational Status                   | 0.787              | 1.119| 1.042| 0.948, 1.145 |
| Lower Education Father                             | 0.700              | 1.099| 1.031| 0.830, 1.281 |
| Lower Education Mother                             | 0.753              | 1.039| 0.839| 0.673, 1.047 |
| Family Received Financial Help in Childhood        | 4.227              | 1.122| 1.034| 0.905, 1.182 |
| Father was Unemployed in Childhood                 | 2.683              | 1.026| 0.991| 0.893, 1.099 |
| Relocated Homes in Childhood                       | 3.143              | 1.061| 1.067| 0.962, 1.183 |
| Childhood Psychosocial Adversities                 | 0.868              | 1.168| 1.098| 0.987, 1.221 |
| **Adulthood Socioeconomic**                        |                    |      |      |
| Lower Income                                       | 0.039              | 2.131| 0.906| 0.726, 1.131 |
| Lower Wealth                                       | 0.097              | 1.995| 1.020| 0.930, 1.118 |
| Category                              | Value     | Lower CI | Upper CI | Value     | Lower CI | Upper CI |
|---------------------------------------|-----------|----------|----------|-----------|----------|----------|
| Lower Education                       | 0.769     | (0.601, 0.985) | (1.077, 1.391) | 1.055     | (0.960, 1.160) |
| Lower Occupational Status             | 0.668     | (0.524, 0.851) | (1.097, 1.400) | 1.011     | (0.883, 1.158) |
| Recent Financial Difficulties         | 0.673     | (0.560, 0.809) | (1.258, 1.590) | 1.166     | (1.047, 1.298) |
| History of Unemployment               | 4.806     | (3.332, 6.932) | (1.084, 1.479) | 1.027     | (0.679, 1.553) |
| History of Renting                    | 1.433     | (1.071, 1.918) | (1.126, 1.455) | 0.906     | (0.819, 1.003) |
| History of Food Insecurity            | 1.785     | (1.311, 2.432) | (1.097, 1.459) | 0.995     | (0.864, 1.147) |
| History of Food Stamps                | 3.043     | (2.069, 4.474) | (1.219, 1.690) | 1.037     | (0.835, 1.286) |
| History of Medicaid                   | 2.416     | (1.667, 3.501) | (1.193, 1.628) | 1.015     | (0.886, 1.163) |
| Lower Neighborhood Cohesion           | 0.730     | (0.609, 0.875) | (1.121, 1.378) | 1.047     | (0.960, 1.143) |
| Neighborhood Disorder                 | 0.739     | (0.613, 0.891) | (1.090, 1.353) | 1.057     | (0.957, 1.168) |
| Lower Neighborhood Safety             | 0.825     | (0.660, 1.031) | (1.039, 1.339) | 1.114     | (1.011, 1.227) |
| **Adulthood Health Behaviors**        |           |          |          |           |          |          |
| Alcohol Abuse                         | 6.884     | (4.332, 10.939) | (0.976, 1.458) | 1.206     | (0.895, 1.624) |
| Current Smoker                        | 2.152     | (1.645, 2.815) | (1.502, 1.963) | 1.623     | (1.352, 1.949) |
| History of Smoking                    | 0.431     | (0.313, 0.595) | (1.191, 1.559) | 1.245     | (1.130, 1.371) |
| Low/No Moderate Activity              | 0.618     | (0.481, 0.794) | (1.200, 1.518) | 1.042     | (0.950, 1.142) |
|                                  | Estimate | 95% CI     | Lower 95% | Upper 95% |
|----------------------------------|----------|------------|-----------|-----------|
| Low/No Vigorous Activity         | 0.163    | (0.107, 0.250) | 1.447     | (1.220, 1.717) | 1.008 | (0.874, 1.162) |
| Sleep Problems                   | 1.100    | (0.845, 1.432) | 1.299     | (1.149, 1.468) | 0.993 | (0.899, 1.096) |
| **Adulthood Social Connections** |          |            |           |            |       |       |
| History of Divorce               | 1.504    | (1.176, 1.923) | 1.263     | (1.120, 1.424) | 1.332 | (1.128, 1.573) |
| Never Married                     | 15.47    | (7.683, 31.172) | 1.227     | (0.914, 1.645) | 1.172 | (0.865, 1.587) |
| Lower Positive Interactions with Children | 0.850    | (0.698, 1.034) | 1.201     | (1.076, 1.341) | 1.112 | (1.000, 1.235) |
| Negative Interactions with Children | 0.739    | (0.607, 0.898) | 1.310     | (1.173, 1.464) | 1.079 | (0.963, 1.209) |
| Lower Positive Interactions with Family | 0.919    | (0.726, 1.163) | 1.096     | (0.971, 1.237) | 1.076 | (0.978, 1.184) |
| Negative Interactions with Family | 0.778    | (0.640, 0.946) | 1.288     | (1.155, 1.438) | 1.078 | (0.956, 1.215) |
| Lower Positive Interactions with Friends | 0.970    | (0.749, 1.256) | 0.957     | (0.841, 1.089) | 0.992 | (0.905, 1.087) |
| Negative Interactions with Friends | 0.825    | (0.687, 0.991) | 1.190     | (1.067, 1.328) | 1.084 | (0.985, 1.194) |
| **Adulthood Psychological**      |          |            |           |            |       |       |
| Lower Agreeableness              | 1.030    | (0.795, 1.335) | 0.931     | (0.822, 1.054) | 0.989 | (0.907, 1.078) |
| Lower Extroversion               | 0.727    | (0.581, 0.911) | 1.215     | (1.075, 1.374) | 1.082 | (0.988, 1.185) |
| Lower Neuroticism                | 0.651    | (0.537, 0.788) | 1.268     | (1.132, 1.421) | 1.059 | (0.973, 1.153) |
| Lower Conscientiousness          | 0.606    | (0.516, 0.710) | 1.320     | (1.190, 1.464) | 1.064 | (0.986, 1.149) |
|                                |      |                    |      |                    |      |                    |
|--------------------------------|------|--------------------|------|--------------------|------|--------------------|
| Lower Openness to Experiences  | 0.772| (0.613, 0.972)     | 1.112| (0.992, 1.247)     | 1.044| (0.954, 1.141)     |
| Anger Out                      | 0.790| (0.665, 0.938)     | 1.226| (1.095, 1.372)     | 1.107| (0.991, 1.237)     |
| Anger In                       | 0.791| (0.626, 1.001)     | 1.205| (1.062, 1.366)     | 1.068| (0.976, 1.169)     |
| Cynical Hostility              | 0.645| (0.521, 0.798)     | 1.287| (1.140, 1.453)     | 1.048| (0.952, 1.153)     |
| Hopelessness                   | 0.524| (0.441, 0.623)     | 1.439| (1.289, 1.606)     | 1.037| (0.947, 1.135)     |
| Loneliness                     | 0.674| (0.558, 0.813)     | 1.286| (1.153, 1.433)     | 1.042| (0.953, 1.139)     |
| Lower Life Satisfaction        | 0.514| (0.426, 0.620)     | 1.565| (1.380, 1.775)     | 1.113| (0.983, 1.260)     |
| Lower Optimism                 | 0.719| (0.592, 0.875)     | 1.221| (1.092, 1.366)     | 1.074| (0.980, 1.177)     |
| Pessimism                      | 0.552| (0.460, 0.663)     | 1.405| (1.258, 1.570)     | 1.042| (0.948, 1.145)     |
| Lower Positive Affectivity     | 0.594| (0.490, 0.720)     | 1.360| (1.210, 1.527)     | 1.047| (0.952, 1.152)     |
| Negative Affectivity           | 0.672| (0.581, 0.777)     | 1.392| (1.260, 1.538)     | 1.151| (1.045, 1.268)     |
| Lower Purpose in Life          | 0.505| (0.412, 0.618)     | 1.439| (1.271, 1.630)     | 1.053| (0.958, 1.157)     |
| Lower Religiosity              | 1.020| (0.793, 1.313)     | 1.005| (0.886, 1.140)     | 0.972| (0.881, 1.073)     |
| Perceptions of Obstacles       | 0.564| (0.477, 0.666)     | 1.399| (1.260, 1.554)     | 1.037| (0.953, 1.129)     |
| Lower Sense of Mastery         | 0.678| (0.568, 0.809)     | 1.229| (1.104, 1.367)     | 1.034| (0.950, 1.125)     |
| Trait Anxiety                  | 0.592| (0.507, 0.692)     | 1.428| (1.286, 1.584)     | 1.098| (0.998, 1.208)     |
| Adultshood Adverse Experiences       |          |          |          |          |
|-------------------------------------|----------|----------|----------|----------|
| Adulthood Psychosocial Adversity    | 0.788    | (0.617, 1.007) | 0.788    | (0.617, 1.007) | 1.090    | (0.965, 1.231) |
| Daily Discrimination                | 0.794    | (0.678, 0.928) | 0.794    | (0.678, 0.928) | 1.249    | (1.131, 1.380) |
| Major Discrimination                | 0.821    | (0.693, 0.972) | 0.821    | (0.693, 0.972) | 1.206    | (1.083, 1.343) |
Table S6. Hazard ratios and 95% confidence intervals for each predictor ranked from strongest to weakest association with mortality over the study period, censored participants who died within two years of 2008, Health and Retirement Study

| Variable                              | HR    | 95% CI        |
|---------------------------------------|-------|---------------|
| Current Smoker                        | 1.849 | (1.619, 2.112) |
| History of Divorce                    | 1.469 | (1.315, 1.641) |
| Alcohol Abuse                         | 1.395 | (1.144, 1.700) |
| History of Smoking                    | 1.306 | (1.192, 1.430) |
| Recent Financial Difficulties         | 1.292 | (1.180, 1.415) |
| History of Unemployment               | 1.263 | (1.024, 1.557) |
| History of Food Stamps                | 1.259 | (1.062, 1.493) |
| Daily Discrimination                  | 1.229 | (1.124, 1.344) |
| Lower Life Satisfaction               | 1.224 | (1.092, 1.371) |
| Negative Interactions with Children   | 1.222 | (1.108, 1.346) |
| Negative Interactions with Family     | 1.217 | (1.099, 1.347) |
| Never Married                         | 1.215 | (0.936, 1.578) |
| Major Discrimination                  | 1.209 | (1.097, 1.334) |
| Childhood Psychosocial Adversities    | 1.194 | (1.085, 1.314) |
| Lower Positive Interactions with Children | 1.190 | (1.085, 1.305) |
| Negative Interactions with Friends    | 1.178 | (1.078, 1.286) |
| Negative Affectivity                  | 1.163 | (1.063, 1.272) |
| Anger Out                             | 1.159 | (1.055, 1.273) |
| Variable                                      | Estimate | Lower CI  | Upper CI  |
|-----------------------------------------------|----------|-----------|-----------|
| Trait Anxiety                                | 1.158    | (1.059, 1.267) |
| Cynical Hostility                            | 1.152    | (1.052, 1.262) |
| Anger In                                      | 1.143    | (1.043, 1.252) |
| Pessimism                                     | 1.136    | (1.038, 1.242) |
| Lower Positive Interactions with Family       | 1.126    | (1.030, 1.232) |
| Lower Wealth                                  | 1.123    | (0.947, 1.330) |
| Lower Neighborhood Cohesion                   | 1.121    | (1.034, 1.214) |
| Lower Optimism                                | 1.115    | (1.024, 1.213) |
| Lower Neighborhood Safety                    | 1.113    | (1.014, 1.223) |
| Neighborhood Disorder                         | 1.106    | (1.015, 1.205) |
| Lower Occupational Status                    | 1.102    | (0.984, 1.233) |
| Low/No Vigorous Activity                     | 1.093    | (0.969, 1.234) |
| Hopelessness                                  | 1.092    | (1.003, 1.190) |
| History of Food Insecurity                    | 1.091    | (0.962, 1.237) |
| Loneliness                                    | 1.088    | (0.995, 1.188) |
| Lower Positive Affectivity                    | 1.084    | (0.989, 1.189) |
| Sleep Problems                                | 1.068    | (0.973, 1.173) |
| Family Received Financial Help in Childhood  | 1.061    | (0.932, 1.209) |
| Lower Father Occupational Status             | 1.055    | (0.965, 1.153) |
| Low/No Moderate Activity                      | 1.051    | (0.964, 1.145) |
| History of Renting                            | 1.050    | (0.949, 1.161) |
| Lower Conscientiousness                       | 1.050    | (0.972, 1.134) |
| Lower Neuroticism                             | 1.049    | (0.968, 1.137) |
| Perceptions of Obstacles                        | 1.049 | (0.966, 1.138) |
|-----------------------------------------------|-------|---------------|
| Lower Extroversion                            | 1.044 | (0.956, 1.140) |
| History of Medicaid                           | 1.038 | (0.911, 1.184) |
| Relocated Homes in Childhood                  | 1.036 | (0.935, 1.148) |
| Lower Education                               | 1.035 | (0.948, 1.130) |
| Lower Income                                  | 1.030 | (0.863, 1.231) |
| Lower Purpose in Life                         | 1.021 | (0.933, 1.118) |
| Lower Openness to Experiences                 | 1.005 | (0.925, 1.093) |
| Lower Sense of Mastery                        | 0.988 | (0.909, 1.074) |
| Lower Religiosity                             | 0.982 | (0.893, 1.081) |
| Lower Education Father                        | 0.976 | (0.854, 1.116) |
| Father was Unemployed in Childhood            | 0.954 | (0.861, 1.058) |
| Lower Positive Interactions with Friends      | 0.940 | (0.858, 1.031) |
| Lower Agreeableness                           | 0.928 | (0.854, 1.009) |
| Adulthood Psychosocial Adversity              | 0.903 | (0.823, 0.991) |
| Lower Education Mother                        | 0.857 | (0.750, 0.979) |
Table S7. Comparison of variables between the Health and Retirement Study (HRS) and the Midlife in the United States (MIDUS) study for Harmonization

| Demographic  | HRS | MIDUS, variable, and categories                                                                 | Harmonized? |
|--------------|-----|---------------------------------------------------------------------------------------------|-------------|
| Age          | ✓   | A1PAGE_M2                                                                                  | Yes         |
|              |     | Numeric age was z-scored                                                                     |             |
| Male         | ✓   | A1PRSEX                                                                                     | Yes         |
|              |     | Sex was coded 1 for male and -1 for female                                                   |             |
| Hispanic     | ✓   | No item from MIDUS could be harmonized with the HRS items                                    | No          |
| Black        | ✓   | A1SS7                                                                                       | Yes         |
|              |     | What race to you consider yourself to be? White; Black and/or African American; Native American or Aleutian Islander/Eskimo; Asian or Pacific Islander; Other; Multiracial |
|              |     | Those who reported being Black and/or African American were coded 1 and any other response was coded -1 |             |
| Foreign Born | ✓   | A1SE2                                                                                       | Yes         |
| Were you born in the United States?  
| Those who responded No were coded 1, those who responded Yes were coded -1 |
| Childhood Adversity   | HRS                                           | MIDUS                                      | Harmonized? |
|-----------------------|-----------------------------------------------|--------------------------------------------|-------------|
| **Lower Father**      | Coded by categorizing the respondent’s father’s occupation as (1) Executives and managers, (2) Professional specialty, (3) Sales and administration, (4) Protection services and armed forces, (5) Cleaning, building, food preparation, and personal services, and (6) Production, construction, and operation occupations. Scores were then standardized to have a mean of 0 and standard deviation of 1 | A1POCDMJ 1 = Technician and related support; Service occupation; Farming, forestry, and fishing; Precision production, crafts, and repair; Operator, laborer, and military -1 = Executive, administrative, and managerial; Professional specialty, Sales occupation; Administrative support including clerical | Yes         |
| **Occupational Status** |                                               |                                            |             |
| **Lower Education**   | Coded as (0) less than high school for less than 12 years; (1) high school | A1PC2 3 = No school/some grade school;     | Yes         |
| **Father**            |                                               |                                            |             |
graduate or GED for 12 years; (2) some college for 13-15 years; (3) college and above for 16 or more years.

Eighth grade/junior high school; Some high school

2= Graduated from high school; GED

1 = 1 to 2 years of college, no degree yet; 3 or more years of college, no degree yet; Graduated 2 year college or vocational school, or associate's degree

0 = Graduated 4 or 5 year college or bachelor's degree; Some graduate school; Master's degree; PH.D, ED.D, MD, DDS, LLB, LLD, JD, or other professional degree

Z-scored

**Lower Education**

**Mother**

Coded as (0) less than high school for less than 12 years; (1) high school graduate or GED for 12 years; (2) some college

A1PC8

(Same coding as A1PC2)

Yes
| Variable                                      | Description                                                                 | Harmonization Status                           | Result |
|----------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------|--------|
| **Family Received Financial Help in Childhood** | Before age 16, was there a time when you or your family received help from relatives because of financial difficulties? | No item from MIDUS could be harmonized with the HRS items | No     |
| **Father was Unemployed in Childhood**       | coded as binary (-1/1), with 1 indicating that before the age of 18 the respondent’s father ever lost his job and -1 indicating that this did not occur | No item from MIDUS could be harmonized with the HRS items | No     |
| **Relocated Homes in Childhood**             | was coded as binary (-1/1), with 1 indicating that before the age of 18 the respondent’s family ever had to relocate due to financial difficulties and -1 indicating that this did not occur. | No item from MIDUS could be harmonized with the HRS items | No     |
### Childhood Psychosocial Adversities

was a composite measure scored by summing the binary (0/1) responses to whether before the age of 18 the respondent had ever experienced physical abuse before age 18; parents’ substance or alcohol use caused problems in the home; and had to repeat a year of school.

No item from MIDUS could be harmonized with the HRS items

### Adulthood Socioeconomic

#### Lower Income

measured in nominal dollars in survey year 2006 and is the sum of all income in a household, including: Respondent’s and spouse’s wage/salary income, bonuses/overtime

A1SHHTOT Household total income from wage, pension, social security, and other sources Reverse coded and z-scored

Yes
| pay/commissions/tips, 2nd job or military reserve earnings, professional practice or trade income; household business or farm income, self-employment earnings, business income, gross rent, dividend and interest income, trust funds or royalties, and other asset income; respondent’s and spouse’s income from all pensions and annuities; respondent’s and spouse’s total Social Security income (including that which is and is not received due to disability); respondent’s and spouse’s income from unemployment and |
| Lower Wealth | measured in nominal dollars in survey year 2006/2008 as the sum of all wealth components (except secondary home) less all debt | A1SJ15: Money left over/money owed [after being asked “Suppose you (and your spouse or partner) cashed in all your checking and savings accounts, stocks and bonds, real estate, sold your home, your vehicles, and all your valuable possessions. Then suppose you put that money toward paying off your mortgage and all your other loans, debts, and credit cards. Would you have any money left over after paying | Yes |
your debts or would you still owe money?

| Number | Range          |
|--------|----------------|
| 36     | Less than $0/loss |
| 35     | $0 (none)       |
| 34     | $1-999         |
| 33     | $1,000-1,999    |
| 32     | $2,000-2,999    |
| 31     | $3,000-3,999    |
| 30     | $4,000-4,999    |
| 29     | $5,000-5,999    |
| 28     | $6,000-6,999    |
| 27     | $7,000-7,999    |
| 26     | $8,000-8,999    |
| 25     | $9,000-9,999    |
| 24     | $10,000-10,999  |
| 23     | (14) $11,000-11,999 |
| 22     | $12,000-12,999  |
| 21     | $13,000-13,999  |
| 20     | $14,000-14,999  |
| 19     | $15,000-15,999  |
| 18     | $16,000-16,999  |
| 17     | $17,000-17,999  |
| 16     | $18,000-18,999  |
| 15     | $19,000-19,999  |
| Lower Education | coded as (0) less than high school; (1) high school graduate or GED; (2) some college; (3) college and above. These scores were then reverse coded and standardized to have a Z-scored | A1PEDUCP |
|-----------------|-------------------------------------------------------------------------------------------------|---------|
|                 | 14 = $20,000-24,999; 13 = $25,000-29,999; 12 = $30,000-34,999; 11 = $35,000-39,999; 10 = $40,000-44,999; 9 = $45,000-49,999; 8 = $50,000-74,999; 7 = $75,000-99,999; 6 = $100,000-149,999; 5 = $150,000-199,999; 4 = $200,000-299,999; 3 = $300,000-499,999; 2 = $500,000-999,999; 1 = $1,000,000 or more |
|                 | Yes |

Z-scored
| Lower Occupational Status | mean of 0 and standard deviation of 1. | 1 = Graduated college to doctorate or professional degree Z Scored | Yes |
|---------------------------|----------------------------------------|-----------------------------------------------------------------|------|
| Recent Financial Difficulties | measured by asking respondents to how difficult is it for them to meet their/their families monthly bill payments, coding their responses | A1SJ7 How difficult is it for you (and your family) to pay your monthly bills? 4 = Very difficult | Yes |

- (1) Executives and managers, (2) Professional specialty, (3) Sales and administration, (4) Protection services and armed forces, (5) Cleaning, building, food preparation, and personal services, and (6) Production, construction, and operation occupations

- 1 = Technician and related support; Service occupation; Farming, forestry, and fishing; Precision production, crafts, and repair; Operator, laborer, and military

- -1 = Executive, administrative, and managerial; Professional specialty, Sales occupation; Administrative support including clerical
| History of Unemployment | “Not at all difficult”, “Not very difficult”, “Somewhat difficult”, “Very difficult”, “Completely difficult”) on a 5-point Likert scale | 3 = Somewhat difficult 2 = Not very difficult 1 = Not at all difficult |
|-------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| History of Unemployment | coded as binary (-1/1), with 1 indicating the respondent had reported ever being unemployed over the study period (1995-2006), with a one-item question that asked at each assessment whether the respondent is not working for pay and reports actively looking for a job in the last four weeks and -1 indicating otherwise. | Z scored |
| A1PB3C:                | What about your current employment situation - are you working for pay now, self-employed, looking for work, temporarily laid off, retired, a homemaker, a full-time or part-time student, or something else? **Looking for work; unemployed** |
| A1SI111                | We are interested in the different kinds of work situations you were in ten years ago, those you are in now, and those you think you will be in ten years from now. For each time frame, indicate whether or not each situation was, is, or will probably be true for you. 10 | Yes |
| Category               | Description                                                                 | Question                                                                 | Yes/No |
|------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------|
| History of Renting     | coded as binary (-1/1), with 1 indicating the respondent had reported ever renting their dwelling over the study period (1992-2008), with a one-item question that asked at each assessment, “Do you (and (your (husband/wife/partner)) own your home, rent it, or what?” and -1 indicating otherwise. | A1SL4 Do you own your home outright, are you paying on a mortgage, or do you rent? (If you have more than one home, answer for your primary residence.) 1 = Rent -1 = Own home outright OR Paying on a mortgage | Yes    |
| History of Food Insecurity | coded as binary (-1/1), with 1 indicating the respondent had reported not having enough money to buy the food they needed any point | No item from MIDUS could be harmonized with the HRS items | No     |
over the study period (1996-2008) with a one-item question that asked at each assessment, “Since (your previous participation/in the last two years), have you always had enough money to buy the food you need?” -1 indicates the respondent had enough money to buy the food they needed.

| History of Food Stamps | coded as binary (-1/1), with 1 indicating the respondent had reported ever receiving food stamps over the study period (1995-2008), with a one-item question that asked at each assessment, “Did you (or other family members who were living here) receive | No item from MIDUS could be harmonized with the HRS items | No |
| **History of Medicaid** | coded as binary (-1/1), with 1 indicating the respondent had reported ever being on Medicaid over the study period (1992-2006), with a one-item question that asked at each assessment, “Are you currently covered by (Medicaid/State name for Medicaid)?” and -1 indicating otherwise. | A1SC1G | Are you currently covered by any of the following health insurance plans? Do not include those that pay only for accidents (such as through your car insurance) or disability (such as disability insurance). (If you have no spouse or partner, or no union, circle "5" for those questions.)

Medicaid, or other government health insurance based on financial need

1 = Yes | Yes |
| **Lower Neighborhood Cohesion** | the mean of the following items was calculated: (i) I really feel part of this area/I feel that I don’t belong in this area; (ii) Most people in this area can be trusted/Most people in this area can’t be trusted; (iii) Most people in this area are friendly/Most people in this area are unfriendly; and (iv) If you were in trouble, there are lots of people in this area who would help you/If you were in trouble, there is nobody in this area who would help you | A1SHOMET Perceived quality of neighborhood | Yes |
| **Neighborhood Disorder** | averaging the responses to items: (i) There is no problem with vandalism and graffiti in this | No item from MIDUS could be harmonized with the HRS items | No |
area/Vandalism and graffiti are a big problem in this area; (ii) People feel safe walking alone in this area after dark/People would be afraid to walk alone in this area after dark; (iii) This area is kept very clean/This area is always full of rubbish and litter; and (iv) There are no vacant or deserted houses or storefronts in this area/There are many vacant or deserted houses or storefronts in this area

| Lower Neighborhood Safety | measured by asking respondents to report the safety of their neighborhood in the survey year 2006/2008, coding their responses | No item from MIDUS could be harmonized with the HRS items | No |
(“Excellent”, “Very good”, “Good”, “Fair”, “Poor”) on a 5-point Likert scale.

| Adulthood Health Behaviors | HRS | MIDUS | Harmonized? |
|----------------------------|-----|-------|-------------|
| Alcohol Abuse              | binary (-1/1), with 1 indicating the respondent reported being a heavy drinker and -1 indicating the respondent did not report being a heavy drinker. | A1SA9U | Yes |
| Current Smoker             | coded as binary (-1/1), with 1 indicating the respondent reported being a current smoker and -1 otherwise. | A1PA43 | Yes |
| History of Smoking         | coded as binary (-1/1), with 1 indicating the | A1PA40 | Yes |
| Topic                        | Description                                                                 | Code      | Yes/No |
|------------------------------|-----------------------------------------------------------------------------|-----------|--------|
| respondent reported ever    | Have you ever smoked cigarettes regularly - that is, at least a few        | A1SMODER  |        |
| smoking and -1 indicating    | cigarettes every day?                                                       |           |        |
| otherwise.                   | 1 = Yes                                                                     |           |        |
| -1 = No                      |                                                                             |           |        |
| Low/No Moderate              | Low/No Moderate Activity binary (1/-1), with -1 indicating the respondent   | A1SMODER  | Yes    |
| Activity                     | reported completing moderate activity more than once per week and 1         |           |        |
|                              | indicating otherwise                                                       |           |        |
|                              | Times/month moderate activity                                               |           |        |
|                              | 1 = < 4                                                                     |           |        |
|                              | -1 = >=4                                                                    |           |        |
| Low/No Vigorous              | Low/No Vigorous Activity coded as binary (1/-1), with -1 indicating the    | A1SVIGOR  | Yes    |
| Activity                     | respondent reported completing vigorous activity more than once per week   |           |        |
|                              | and 1 indicating otherwise.                                                |           |        |
|                              | Times/month vigorous activity                                               |           |        |
|                              | 1 = < 4                                                                     |           |        |
|                              | -1 = >=4                                                                    |           |        |
| Sleep Problems               | Sleep Problems coded as binary (-1/1), with 1 indicating the respondent     | A1SA12G   | Yes    |
|                              | reported restless sleep and -1 indicating otherwise.                        |           |        |
|                              | During the past 30 days, how often have you experienced the following?      |           |        |
|                              | Trouble getting to sleep or staying asleep.                                 |           |        |
| Adulthood Social Connections | HRS | MIDUS | Harmonized? |
|-----------------------------|-----|-------|-------------|
| History of Divorce          | coded as binary (-1/1), with 1 indicating the respondent reported being divorced or separated over the course of the study period (1992-2008) and -1 indicating the respondent never reported being divorced no separated. | A1PB17 Are you married, separated, divorced, widowed, or never married? A1PB20 Did your first marriage end in widowhood or divorce? (Widowhood / Divorce) 1 = either A1PB17 = Divorced OR A1PB20 = (2) Divorce | Yes |
| Never Married | coded as binary (-1/1), with 1 indicating the respondent never reported being married over the course of the study period (1992-2008) and -1 indicating the respondent had ever been married. | -1 = all other responses | A1PB17 Are you married, separated, divorced, widowed, or never married? 1 = Never married -1 = Married, Separated, Divorced, Widowed | Yes |
| --- | --- | --- | --- | --- |
| Lower Positive Interactions with Children | (i) How much do they really understand the way you feel about things; (ii) How much can you rely on them if you have a serious problem; and (iii) How much can you open up to them if you need to talk about your worries. | No item from MIDUS could be harmonized with the HRS items | No |
| Negative Interactions with Children | i) How often do they make too many demands on you; (ii) How much do they criticize you; (iii) How much do they let you down when you are counting on you | No item from MIDUS could be harmonized with the HRS items | No |
| Lower Positive Interactions with Family | (i) How much do they understand the way you feel about things; (ii) How much can you rely on them if you have a serious problem; and (iii) How much can you open up to them if you need to talk about your worries. | A1SKINPO: Support from family | Reverse coded and z-scored | Yes |
| Negative Interactions with Family | (i) How often do they make too many demands on you; (ii) How much do they criticize you; (iii) How much do they let you down when you are counting on them; and (iv) How much do they get on your nerves. | A1SKINNE: Strain from family | Z-scored | Yes |
| Lower Positive Interactions with Friends | (i) How much do they understand the way you feel about things; (ii) How much can you rely on them if you have a serious problem; and (iii) How much do they get on your nerves. | A1SFDSPO: Support from Friends | Reverse coded and z-scored | Yes |
much can you open up to them if you need to talk about your worries.

| Negative Interactions with Friends | i) How often do they make too many demands on you; (ii) How much do they criticize you; (iii) How much do they let you down when you are counting on them; and (iv) How much do they get on your nerves | A1SFDSNE Strain from Friends Z-scored | Yes |

| Adulthood Psychological | HRS | MIDUS | Harmonized? |
|-------------------------|-----|-------|-------------|
| Lower Agreeableness    | (i) Helpful, (ii) Warm, (iii) Caring, (iv) Soft hearted, and (v) Sympathetic | A1SAGREE Agreeableness personality trait Reverse coded and z-scored | Yes |
| Lower Extroversion      | (i) Outgoing, (ii) Friendly, (iii) Lively, (iv) Active, and (v) Talkative | A1SEXTRA Extraversion personality trait Reverse coded and z-scored | Yes |
| Lower Neuroticism       | (i) Moody, (ii) Worrying, (iii) Nervous, and (iv) Calm | A1SNEURO Neuroticism personality trait Reverse coded and z-scored | Yes |
| Lower Conscientiousness | (i) Organized, (ii) Responsible, (iii) Hardworking, (iv) Careless, and (v) Thorough | A1SCONS Conscientiousness personality trait Reverse coded and z-scored | Yes |
|-------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------|-----|
| Lower Openness to Experiences | (i) Creative, (ii) Imaginative, (iii) Intelligent, (iv) Curious, (v) Broad-minded, (vi) Sophisticated, and (vii) Adventurous | A1SOPEN Openness personality trait Reverse coded and z-scored | Yes |
| Anger Out | Anger-out is scored by taking the mean across seven items: (i) When I am feeling angry or mad, I argue with others; (ii) When I am feeling angry or mad, I strike out at whatever infuriates me; (iii) When I am feeling angry or mad, I say nasty things; (iv) When I am feeling angry or mad, I lose my temper; (v) I am quick tempered; (vi) I | No item from MIDUS could be harmonized with the HRS items | No |
| Anger In | (i) When I am feeling angry or mad, I keep things in; (ii) When I am feeling angry or mad, I withdraw from people; (iii) When I am feeling angry or mad, I am irritated more than people are aware; and (iv) When I am feeling angry or mad, I am angrier than I am willing to admit | No item from MIDUS could be harmonized with the HRS items | No |
| Cynical Hostility | (i) Most people dislike putting themselves out to help other people; (ii) Most people will use somewhat unfair means to gain profit or an advantage rather than lose it; (iii) No one cares much what happens to you; (iv) I think most | No item from MIDUS could be harmonized with the HRS items | No |
people would lie in order to get ahead; and (v) I commonly wonder what hidden reasons another person may have for doing something nice for me.

| **Hopelessness** | (i) I feel it is impossible for me to reach the goals that I would like to strive for; (ii) The future seems hopeless to me and I can’t believe that things are changing for the better; (iii) I don’t expect to get what I really want; and (iv) There’s no use in really trying to get something I want because I probably won’t get it. | A1SA13D: During the past 30 days, how much of the time did you feel hopeless? |
| **Loneliness** | Loneliness Scale (9) which contained a 3-item scale rated on a 3-point ordered response scale (1) | No item from MIDUS could be harmonized with the HRS items | Yes | No |
= Often, 2 = Some of the time, 3 = Hardly ever or never). Loneliness was scored by taking the mean response across three items: (i) You lack companionship; (ii) Left out; and (iii) Isolated from others.

| Lower Life Satisfaction | Diener’s measure of life satisfaction (10), a well-established measure of self-evaluated life quality that has been used extensively in international comparative studies. Diener’s measure is a 5-item scale rated on a 7 point Likert scale (1 = Strongly disagree, 2 = Somewhat disagree, 3 = Slightly disagree, 4 = Neither agree nor disagree, 5 = Slightly agree, 6 = Agree, 7 = Strongly agree). | A1PD1: At present, how satisfied are you with your life? 4 = Not at all, 3 = A little, 2 = Somewhat, 1 = A lot, Z-scored | Yes |
agree, 6 = Somewhat agree, 7 = Strongly agree). Note, in 2006, a 6 point Likert scale was used (1 = Strongly disagree, 2 = Somewhat disagree, 3 = Slightly disagree, 4 = Slightly agree, 5 = Somewhat agree, 6 = Strongly agree). Life satisfaction is scored by taking the mean across five items: (i) In most ways my life is close to ideal; (ii) The conditions of my life are excellent; (iii) I am satisfied with my life; (iv) So far, I have gotten the important things I want in life (v) If I could live my life again, I would change almost nothing.
| Lower Optimism | Optimism was scored as the mean response score to the items: (i) I’m always optimistic about my future; (ii) In uncertain times, I usually expect the best; and (iii) Overall, I expect more good things to happen to me than bad | A1PD7 | Yes |
| Pessimism | Pessimism was scored by taking the mean response to three items: (i) If something can go wrong for me it will; (ii) I hardly ever expect things to go my way; and (iii) I rarely count on good things happening to me | No item from MIDUS could be harmonized with the HRS items | No |
| Lower Positive Affectivity | (i) cheerful; (ii) in good spirits; (iii) extremely happy; (iv) calm and peaceful; (v) satisfied; and (vi) full of life. | A1SPOSAF Positive affect Reverse coded and z-scored | Yes |
| Negative Affectivity | (i) so depressed that nothing could cheer you up; (ii) hopeless; (iii) restless or fidgety; (iv) that everything was an effort; (v) worthless; and (vi) nervous | A1SNEGAF Negative affect Z-scored | Yes |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----|
| Lower Purpose in Life | (i) I enjoy making plans for the future and working to make them a reality; (ii) My daily activities often seem trivial and unimportant to me; (iii) I am an active person in carrying out the plans I set for myself; (iv) I don't have a good sense of what it is I'm trying to accomplish in life; (v) I sometimes feel as if I've done all there is to do in life; (vi) I live life one day at a time and don’t really think about the future; (vii) I have a | A1SPWBU Purpose in life (psychological well-being 3-item) Reverse coded and z-scored | Yes |
| Lower Religiosity | measured with Fetzer Institute’s (15) 4-item scale rated on a 6 point Likert scale (1=Strongly Disagree; 2 = Somewhat Disagree; 3 = Slightly Disagree; 4 = Slightly Agree; 5 = Somewhat Agree; 6 = Strongly Agree). Religiosity is scored by taking the mean across four items: (i) I believe in a God who watches over me; (ii) The events in my life unfold according to a divine or greater plan; (iii) I try hard to carry my religious beliefs over into all my other dealings in life; (iv) I find strength and comfort in my religion | A1SR2A | Yes |
|-------------------|-------------------------------------------------------------------------------------------------|-------|-----|
| Sense of direction and purpose in my life | How religious are you? 4 = Not at all 3 = A little 2 = Somewhat 1 = A lot z-scored |       |     |
| Perceptions of Obstacles | (i) I often feel helpless in dealing with the problems of life; (ii) Other people determine most of what I can and cannot do; (iii) What happens in my life is often beyond my control; (iv) I have little control over the things that happen to me; and (v) There is really no way I can solve the problems I have. | No item from MIDUS could be harmonized with the HRS items | No |
|--------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----|
| Lower Sense of Mastery   | (i) I can do just about anything I really set my mind to; (ii) When I really want to do something, I usually find a way to succeed at it; (iii) Whether or not I am able to get what I want is in my own hands; (iv) What happens to me in the future mostly | A1SPWBE  
Environmental mastery  
(psychological well-being 3-item)  
*Numerical* | Yes |
| Trait Anxiety | (i) I had fear of the worst happening; (ii) I was nervous; (iii) I felt my hands trembling; (iv) I had a fear of dying; and (v) I felt faint | No item from MIDUS could be harmonized with the HRS items | No |

| Adulthood Adverse Experiences | HRS | MIDUS | Harmonized? |
|-------------------------------|-----|-------|-------------|
| Adulthood Psychosocial Adversity | is a composite measure scored by summing the binary (0/1) responses to whether the respondent had experienced, at any age after 17, (i) the death of a child, (ii) a natural disaster, (iii) fired a weapon in combat, (iv) a partner addicted to drugs or alcohol, (v) being victim of a physical attack, and (vi) a spouse or child with a serious illness | No item from MIDUS could be harmonized with the HRS items | No |
| Daily Discrimination | (i) You are treated with less courtesy or respect than other people; (ii) You receive poorer service than other people at restaurants or stores; (iii) People act as if they think you are not smart; (iv) People act as if they are afraid of you; and (v) You are threatened or harassed. In 2008, a sixth item was included to give more adult-relevant context: (vi) You receive poorer service or treatment than other people from doctors or hospitals. | i) A1SS14A / A1SS14B ii) A1SS14C iii) A1SS14D iv) A1SS14E v) A1SS14I vi) NA For each item: 4 = Often 3 = Sometimes 2 = Rarely 1 = Never Scores summed then z-scored | Yes |
| Major Discrimination | (i) At any time in your life, have you ever been unfairly dismissed from a job; (ii) For unfair reasons, have you ever not been hired for a job, (iii) Have you ever been unfairly denied a promotion; (iv) Have you ever been hassled by police? | i) A1SS13E ii) A1SS13C iii) A1SS13D iv) A1SS13F v) A1SS13I vi) A1SS13H vii) NA | Yes |
| Unfairly prevented from moving into a neighborhood because the landlord or a realtor refused to sell or rent you a house or apartment; (v) Have you ever been unfairly denied a bank loan; and (vi) Have you ever been unfairly stopped, searched, questioned, physically threatened or abused by the police. In 2008, an additional item was added to measure: (vii) Have you ever been unfairly denied health care or treatment | Each item z-scored then summed |
### Table S8. Hazard Ratios and Confidence Intervals for HRS and MIDUS Harmonized Variables, Listed in the Order of HRS Rankings of the Included Variables.

| Variables                        | HRS   | 95% CI      | MIDUS  | 95% CI      |
|----------------------------------|-------|-------------|--------|-------------|
| Current Smoker                   | 1.84  | 1.73, 1.95  | 1.44   | 1.29, 1.61  |
| History of Divorce               | 1.44  | 1.37, 1.52  | 1.19   | 1.06, 1.34  |
| History of Smoking               | 1.32  | 1.27, 1.38  | 1.57   | 1.38, 1.77  |
| History of Unemployment          | 1.32  | 1.27, 1.45  | 1.30   | 0.96, 1.74  |
| Alcohol Abuse                    | 1.32  | 1.21, 1.44  | 1.30   | 0.97, 1.74  |
| Recent Financial Difficulties    | 1.29  | 1.24, 1.35  | 1.22   | 1.09, 1.37  |
| Lower Life Satisfaction          | 1.28  | 1.22, 1.35  | 1.22   | 1.11, 1.34  |
| Negative Interactions with Family| 1.21  | 1.15, 1.26  | 1.13   | 1.00, 1.27  |
| Never Married                    | 1.21  | 1.05, 1.39  | 1.08   | 0.87, 1.35  |
| Negative Affectivity             | 1.20  | 1.16, 1.25  | 1.35   | 1.23, 1.48  |
| Daily Discrimination             | 1.18  | 1.13, 1.24  | 1.12   | 1.00, 1.26  |
| History of Medicaid              | 1.16  | 1.09, 1.22  | 1.00   | 0.85, 1.18  |
| Low/No Vigorous Activity         | 1.15  | 1.09, 1.22  | 1.32   | 1.17, 1.48  |
| Negative Interactions with Friends| 1.14   | 1.10, 1.19 | 1.15   | 1.03, 1.28  |
| Lower Occupational Status        | 1.14  | 1.08, 1.19  | 1.13   | 1.02, 1.25  |
| Low/No Moderate Activity         | 1.13  | 1.09, 1.18  | 1.27   | 1.14, 1.41  |
| Hopelessness                     | 1.13  | 1.09, 1.17  | 1.35   | 1.22, 1.50  |
| Lower Positive Affectivity       | 1.12  | 1.07, 1.16  | 1.18   | 1.04, 1.33  |
| Lower Neighborhood Cohesion      | 1.12  | 1.07, 1.16  | 1.22   | 1.09, 1.36  |
| Lower Optimism                   | 1.11  | 1.07, 1.15  | 1.16   | 1.04, 1.28  |
| Major Discrimination             | 1.11  | 1.06, 1.16  | 1.02   | 0.98, 1.07  |
| Lower Positive Interactions with Family| 1.10   | 1.06, 1.15 | 1.19   | 1.07, 1.33  |
| Lower Wealth                     | 1.10  | 1.02, 1.18  | 1.25   | 1.13, 1.38  |
| Lower Purpose in Life            | 1.10  | 1.05, 1.14  | 1.16   | 1.06, 1.28  |
| Sleep Problems                   | 1.09  | 1.05, 1.14  | 1.13   | 1.03, 1.25  |
| Lower Conscientiousness          | 1.09  | 1.05, 1.13  | 1.16   | 1.04, 1.29  |
| Lower Education                  | 1.09  | 1.04, 1.13  | 1.16   | 1.05, 1.28  |
| Lower Income                     | 1.08  | 0.97, 1.20  | 1.22   | 1.04, 1.42  |
| Lower Neuroticism                | 1.08  | 1.04, 1.12  | 0.87   | 0.77, 0.97  |
| History of Renting               | 1.07  | 1.02, 1.12  | 1.32   | 1.15, 1.54  |
| Lower Extroversion               | 1.07  | 1.02, 1.11  | 1.09   | 0.98, 1.21  |
| Lower Father Occupational Status   | 1.06 | 1.02, 1.10 | 1.11 | 0.99, 1.25 |
| Lower Sense of Mastery            | 1.06 | 1.02, 1.10 | 1.18 | 1.06, 1.30 |
| Lower Openness to Experiences     | 1.02 | 0.98, 1.06 | 0.96 | 0.86, 1.07 |
| Lower Religiosity                 | 0.99 | 0.95, 1.03 | 1.16 | 1.04, 1.30 |
| Lower Education Father            | 0.99 | 0.93, 1.05 | 1.03 | 0.91, 1.16 |
| Lower Positive Interactions with Friends | 0.97 | 0.93, 1.01 | 1.15 | 1.03, 1.27 |
| Lower Agreeableness               | 0.957| 0.92, 0.99 | 0.95 | 0.85, 1.06 |
| Lower Education Mother            | 0.88 | 0.83, 0.93 | 1.03 | 0.91, 1.16 |
Table S9. Cronbach’s alpha for each Social Support variable

|       | Children |     | Family |     | Friends |     |
|-------|----------|-----|--------|-----|---------|-----|
|       | Positive | Negative | Positive | Negative | Positive | Negative |
| 2006  | .83      | .78  | .86    | .78  | .84     | .76  |
| 2008  | .82      | .78  | .86    | .78  | .83     | .76  |