

DOCUMENTATION OF SCALES
in
WISCONSIN LONGITUDINAL STUDY

1992-3 Respondent Mail Questionnaire & Telephone Interview
1993-4 Sibling Mail Questionnaire & Telephone Interview



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INTRODUCTION

This document provides information about the scales constructed from data contained in the Wisconsin Longitudinal Study (WLS) for the Respondent Mail Questionnaire and Telephone Interview conducted in 1992-3 and the Sibling Mail Questionnaire and Telephone Interview conducted in 1993-4. It will also include documentation of the scales in the 2003-5 WLS when the complete data become available, and scales are constructed.

Each scale entry contains:

- > scale name and summary variable
- > number of subscales and subscale names (if any)
- > variables and corresponding question numbers of items that comprise the scale or subscales
- > statements/questions that comprise the scale or subscales, as they were asked to WLS respondents
- > coding information
- > scaling details
- > reliability coefficients (where applicable)
- > complete cross-references among Respondent Mail, Respondent Telephone, Sibling Mail, and Sibling Telephone data
- > original source of the scaled items
- > selected publications using the scale and/or subscale(s) in the WLS.

Note that the number of valid cases pertaining to the reliability coefficient for each particular scale might differ from that of the summary score because each scale has its own specific rule¹ for assigning valid summary scores to cases while the reliability coefficients are all calculated based on listwise deletion.

Please send corrections, comments and suggestions to wls@ssc.wisc.edu.

¹ For example, many scales only assign a valid summary score to a respondent if more than half of the components of the scale received a valid response for that respondent.

1992-3 Respondent Mail Questionnaire

PSYCHOLOGICAL WELL-BEING ($\alpha=.93$)

Subscales (n = 6)

1. Autonomy

MN001REC: continuous variable based on 7 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MN003RER (19a), MN004RER (19g), MN005RER (19h), MN006RER (19o), MN007RER (19v), MN008RER (19cc), MN009RER (19jj)

MN003RER. “My decisions are not usually influenced by what everyone else is doing.”

MN004RER. “I have confidence in my opinions even if they are contrary to the general consensus.”

MN005RER. “I tend to worry what other people think of me.”

MN006RER. “I often change my mind about decisions if my friends or family disagree.”

MN007RER. “I am not afraid to voice my opinions, even when they are in opposition to the opinions of most people.”

MN008RER. “Being happy with myself is more important to me than having others approve of me.”

MN009RER. “It is difficult for me to voice my opinions on controversial matters.”

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/refused.

Scaling: MN001REC was constructed by summing the valid values across the seven items if at least one item received a valid response. Items MN003RER, MN004RER, MN007RER and MN008RER were reverse coded in the creation of this variable.

Note: This variable was constructed based on questions scn3, 19, 19a, 19g, 19h, 19o, 19v, 19cc and 19jj.

Reliability: $\alpha = .70$

MN001REI: an imputed version of MN001REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least four items

received a valid response. The variable is coded -3 if there are fewer than four valid responses.

MN002RE: number of autonomy items answered
= 0 if no autonomy items answered
= 1-7 if one to seven items answered

2. Environmental Mastery

MN010REC: continuous variable based on 7 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MN012RER (19b), MN013RER (19i), MN014RER (19n), MN015RER (19p), MN016RER (19w), MN017RER (19dd), MN018RER (19kk)

MN012RER. "I am good at juggling my time so that I can fit everything in that needs to get done."

MN013RER. "I often feel overwhelmed by my responsibilities."

MN014RER. "I am quite good at managing the many responsibilities of my daily life."

MN015RER. "I do not fit very well with the people and community around me."

MN016RER. "I have difficulty arranging my life in a way that is satisfying to me."

MN017RER. "I have been able to create a lifestyle for myself that is much to my liking."

MN018RER. "I generally do a good job of taking care of my personal finances and affairs."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/refused.

Scaling: MN010REC was constructed by summing the valid values across the seven items if at least one item received a valid response. Items MN012RER, MN014RER, MN017RER and MN018RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .74$

MN010REI: an imputed version of MN010REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least four items received a valid response. The variable is coded -3 if there are fewer than four valid responses.

MN011RE: number of environmental mastery items answered
= 0 if no environmental mastery items answered
= 1-7 if one to seven items answered

3. Personal Growth

MN019REC: continuous variable based on 7 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MN021RER (19c), MN022RER (19j), MN023RER (19q), MN024RER (19u), MN025RER (19x), MN026RER (19ee), MN027RER (19ll)

- MN021RER. "I am not interested in activities that will expand my horizons."
- MN022RER. "I have the sense that I have developed a lot as a person over time."
- MN023RER. "When I think about it, I haven't really improved much as a person over the years."
- MN024RER. "I think it is important to have new experiences that challenge how I think about myself and the world."
- MN025RER. "I don't want to try new ways of doing things – my life is fine the way it is."
- MN026RER. "I do not enjoy being in new situations that require me to change my old familiar ways of doing things."
- MN027RER. "There is truth to the saying you can't teach an old dog new tricks."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/refused.

Scaling: MN019REC was constructed by summing the valid values across the seven items if at least one item received a valid response. Items MN022RER and MN024RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .77$

MN019REI: an imputed version of MN019REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least four items received a valid response. The variable is coded -3 if there are fewer than four valid responses.

MN020RE: number of personal growth items answered
= 0 if no personal growth items answered
= 1-7 if one to seven items answered

4. Positive Relation with Others

MN028REC: continuous variable based on 7 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MN030RER (19d), MN031RER (19k), MN032RER (19r), MN033RER (19y), MN034RER (19bb), MN035RER (19ff), MN036RER (19mm)

MN030RER. "I don't have many people who want to listen when I need to talk."

MN031RER. "I enjoy personal and mutual conversations with family members and friends."

MN032RER. "I often feel lonely because I have few close friends with whom to share my concerns."

MN033RER. "It seems to me that most other people have more friends than I do."

MN034RER. "People would describe me as a giving person, willing to share my time with others."

MN035RER. "Most people see me as loving and affectionate."

MN036RER. "I know I can trust my friends and they know they can trust me."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/refused.

Scaling: MN028REC was constructed by summing the valid values across the seven items if at least one item received a valid response. Items MN031RER, MN034RER, MN035RER and MN036RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .78$

MN028REI: an imputed version of MN028REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least four items received a valid response. The variable is coded -3 if there are fewer than four valid responses.

MN029RE: number of positive relation to others items answered
= 0 if no positive relation to others items answered

= 1-7 if one to seven items answered

5. Purpose in Life

MN037REC: continuous variable based on 7 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MN039RER (19e), MN040RER (19l), MN041RER (19s), MN042RER (19z), MN043RER (19gg), MN044RER (19ii), MN045RER (19nn)

MN039RER. "I enjoy making plans for the future and working to make them a reality."

MN040RER. "My daily activities often seem trivial and unimportant to me."

MN041RER. "I am an active person in carrying out the plans I set for myself."

MN042RER. "I tend to focus on the present because the future nearly always brings me problems."

MN043RER. "I don't have a good sense of what it is I'm trying to accomplish in life."

MN044RER. "I sometimes feel as if I've done all there is to do in life."

MN045RER. "I used to set goals for myself but that now seems like a waste."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/refused.

Scaling: MN037REC was constructed by summing the valid values across the seven items if at least one item received a valid response. Items MN039RER and MN041RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .79$

MN037REI: an imputed version of MN037REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least four items received a valid response. The variable is coded -3 if there are fewer than four valid responses.

MN038RE: number of purpose in life items answered

= 0 if no purpose in life items answered

= 1-7 if one to seven items answered

6. Self-Acceptance

MN046REC: continuous variable based on 7 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MN048RER (19f), MN049RER (19m), MN050RER (19t), MN051RER (19aa), MN052RER (19hh), MN053RER (19oo), MN054RER (19pp)

MN048RER. "I feel like many of the people I know have gotten more out of life than I have."

MN049RER. "In general, I feel confident and positive about myself."

MN050RER. "When I compare myself to friends and acquaintances, it makes me feel good about who I am."

MN051RER. "My attitude about myself is probably not as positive as most people feel about themselves."

MN052RER. "I made some mistakes in the past, but I feel that all in all everything has worked out for the best."

MN053RER. "The past had its ups and down, but in general, I wouldn't want to change it."

MN054RER. "In many ways, I feel disappointed about my achievements in life."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/refused

Scaling: MN046REC was constructed by summing the valid values across the seven items if at least one item received a valid response. Items MN049RER, MN050RER, MN052RER and MN053RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .80$

MN046REI: an imputed version of MN046REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least four items received a valid response. The variable is coded -3 if there are fewer than four valid responses.

MN047RE: number of self-acceptance items answered
= 0 if no self-acceptance items answered
= 1-7 if one to seven items answered.

Cross-Referencing

1992-3 Respondent Telephone Interview: RN014RED (total score), items RN016REC-RN027REC

Autonomy: RN002RED, items RN016REC (Qs 438s, 439), RN025REC (Qs 490, 490b)

Environmental Mastery: RN004RED, items RN017REC (Qs 440, 400b), RN021REC (Qs 442m, 442p)

Personal Growth: RN006RED, items RN022RED (Qs 442s, 443), RN026REC (Qs 490m, 490p)

Positive Relations with Others: RN008RED, items RN108REC (Qs 440m, 440p), RN023REC (Qs 488g, 488j)

Purpose in Life: RN010RED, items RN019REC (Qs 440s, 441), RN024REC (Qs 488m, 488p)

Self-Acceptance: RN012RED, items RN020REC (Qs 442, 442b), RN027REC (Qs 492f, 492j)

1993-4 Sibling Mail Questionnaire: no total score for all subscales

Autonomy: NP001REC, items NP003RER-NP009RER (Qs 41a, 41g, 41h, 41o, 41v, 41cc, 41jj)

Environmental Mastery: NP010REC, items NP012RER-NP018RER (Qs 41b, 41i, 41n, 41p, 41s, 41dd, 41kk)

Personal Growth: NP019REC, items NP021RER-NP027RER (Qs 41c, 41j, 41q, 41u, 41s, 41ee, 41ll)

Positive Relations with Others: NP028REC, items NP030RER-NP036RER (Qs 41d, 41k, 41r, 41y, 41bb, 41ff, 41mm)

Purpose in Life: NP037REC, items NP039RER-NP045RER (Qs 41e, 41l, 41s, 41z, 41gg, 41ii, 41nn)

Self-Acceptance: NP047REC, items NP048RER-NP054RER (Qs 41f, 41m, 41t, 41aa, 41hh, 41pp, 41oo)

1993-4 Sibling Telephone Interview: RN014RED (total score), items SN016REC-SN027REC

Autonomy: SN002RED, items SN016REC (Qs 438s, 439), SN025REC (Qs 490, 490b)

Environmental Mastery: SN004RED, items SN017REC (Qs 440, 440b), SN021REC (Qs 442m, 442p)

Personal Growth: SN006RED, items SN022REC (Qs 442s, 443), SN026REC (Qs 490m, 490p)

Positive Relations with Others: SN008RED, items SN018REC (Qs 440m, 440p), SN023REC (Qs 488g, 488j)

Purpose in Life: SN010RED, items SN019REC (Qs 440s, 441), SN024REC (Qs 488m, 488p)

Self-Acceptance: SN012RED, items SN020REC (Qs 442, 442b), SN027REC (Qs 492f, 492j)

Source

Ryff, C.D. (1989). Happiness is everything, or is it? Explorations on the meaning of psychological well-being. *Journal of Personality and Social Psychology*, 57, 1069-1081.

Selected Studies Using Psychological Well-Being Scales

Carr, D. (1997). The fulfillment of career dreams at midlife: Does it matter for women's mental health? *Journal of Health & Social Behavior*, 38(4), 331-334

Carr, D. (2004). 'My daughter has a career - I just raised babies': Women's intergenerational social comparisons. *Social Psychology Quarterly*, 67, 132-54.

Carr, D. (2005). The psychological consequences of midlife men's social comparisons with their young adult sons. *Journal of Marriage and Family*, 67, 240-50.

Marks, N. F. (1996). Flying solo at midlife: Gender, marital status, and psychological well-being. *Journal of Marriage & the Family*, 58, 917-932.

Marks, N. F. (1998). Does it hurt to care? Caregiving, work-family conflict, and midlife well-being. *Journal of Marriage & the Family*, 60, 951-66.

Springer, Kristen W., Robert M. Hauser, and Jeremy Freese. 2006. "Bad News Indeed for Ryff's Six-Factor Model of Well-Being." *Social Science Research* 35:1079-1101.

Springer, Kristen W., Hauser, Robert M.. 2006. "An Assessment of the Construct Validity of Ryff's Scales of Psychological Well-Being: Method, Mode, and Measurement Effects." *Social Science Research* 35:1119-1130.

BIG FIVE PERSONALITY ITEMS ($\alpha=.81$)

Subscales (n = 5)

1. Extraversion

MH001REC: continuous variable based on 6 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MH003RER (17a), MH004RER (17d), MH005RER (17f), MH006RER (17j), MH007RER (17t), MH008RER (17v)

I see myself as someone who

MH003RER. “is talkative.”

MH004RER. “is reserved.”

MH005RER. “is full of energy.”

MH006RER. “tends to be quiet.”

MH007RER. “is sometimes shy, inhibited.”

MH008RER. “generates a lot of enthusiasm.”

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/refused.

Scaling: MH001REC was constructed by summing the valid values across the six items if at least one item received a valid response. Items MH003RER, MH005RER and MH008RER were reverse coded in the creation this variable.

Reliability: $\alpha = .76$

MH001REI: an imputed version of MH001REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least three items received a valid response. The variable is coded -3 if there are fewer than three valid responses.

MH002RE: number of extraversion items answered

= 0 if no extraversion items answered

= 1-6 if one to six extraversion items answered

2. Agreeableness

MH009REC: continuous variable based on 6 items

1992-3 Respondent Mail Questionnaire

Items: 1992-3 Respondent Mail Questionnaire, Questions MH011RER (17b), MH012RER (17o), MH013RER (17p), MH014RER (17w), MH015RER (17y), MH016RER (17bb)

I see myself as someone who

MH011RER. “tends to find fault with others.”

MH012RER. “is sometimes rude to others.”

MH013RER. “is generally trusting.”

MH014RER. “can be cold and aloof.”

MH015RER. “is considerate to almost everyone.”

MH016RER. “likes to cooperate with others.”

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/refused.

Scaling: MH009REC was constructed by summing the valid values across the six items if at least one item received a valid response. Items MH013RER, MH015RER and MH016RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .70$

MH009REI: an imputed version of MH009REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least three items received a valid response. The variable is coded -3 if there are fewer than three valid responses.

MH010RE: numbers of agreeableness items answered
= 0 if no agreeableness items answered
= 1-6 if one to six items answered

3. Conscientiousness

MH017REC: continuous variable based on 6 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MH019RER (17c), MH020RER (17h), MH021RER (17l), MH022RER (17q), MH023RER (17u), MH024RER (17cc)

I see myself as someone who

MH019RER. “does a thorough job.”

MH020RER. “is a reliable workers.”

1992-3 Respondent Mail Questionnaire

MH021RER. “tends to be disorganized.”
MH022RER. “is lazy at times.”
MH023RER. “does things efficiently.”
MH024RER. “is easily distracted.”

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/refused.

Scaling: MH017REC was constructed by summing the valid values across the six items if at least one item received a valid response. Items MH019RER, MH020RER and MH023RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .66$

MH017REI: an imputed version of MH017REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least three items received a valid response. The variable is coded -3 if there are fewer than three valid responses.

MH018RE: number of conscientiousness items answered
= 0 if no conscientiousness items answered
= 1-6 if one to six conscientiousness items answered

4. Neuroticism

MH025REC: continuous variable based on 5 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MH027RER (17i), MH028RER (17m), MH029RER (17r), MH030RER (17x), MH031RER (17z)

I see myself as someone who

MH027RER. “can be tense.”
MH028RER. “is emotionally stable, not easily upset.”
MH029RER. “worries a lot.”
MH030RER. “remains calm in tense situations.”
MH031RER. “gets nervous easily.”

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/refused.

1992-3 Respondent Mail Questionnaire

Scaling: MH025REC was constructed by summing the valid values across the five items if at least one item received a valid response. Items MH027RER, MH029RER and MH031RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .77$

MH025REI: an imputed version of MH025REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least three items received a valid response. The variable is coded -3 if there are fewer than three valid responses.

MH026RE: number of neuroticism items answered
= 0 if no neuroticism items answered
= 1-5 if one to five items answered

5. Openness

MH032REC: continuous variable based on 6 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MH034RER (17e), MH035RER (17g), MH036RER (17k), MH037RER (17n), MH038RER (17s), MH039RER (17aa)

I see myself as someone who

MH034RER. “prefers the conventional, traditional.”

MH035RER. “prefers work that is routine and simple.”

MH036RER. “values artistic, aesthetic experiences.”

MH037RER. “has an active imagination.”

MH038RER. “wants things to be simple and clear-cut.”

MH039RER. “is sophisticated in art, music, or literature.”

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/refused.

Scaling: MH032REC was constructed by summing the valid values across the six items if at least one item received a valid response. Items MH036RER, MH037RER and MH039RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .61$

MH032REI: an imputed version of MH032REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least three items received a valid response. The variable is coded -3 if there are fewer than three valid responses.

MH033RE: number of openness items answered
= 0 if no openness items answered
= 1-6 if one to six items answered

Cross-Referencing

1992-3 Respondent Telephone Interview:

Extraversion: RH001REC, items RH011RE (Qs 308n, 309), RH016RE (Qs 312f, 312j)

Agreeableness: RH009REC, items RH014RE (Qs 310m, 310p), RH018RE (Qs 314, 314b)

Conscientiousness: RH007REC, items RH015RE (Qs 310s, 311), RH019RE (Qs 314f, 314j)

Neuroticism: RH005REC, items RH013RE (Qs 310f, 310j), RH020RE (Qs 314m, 314p)

Openness: RH003REC, items RH012RE (Qs 310, 310b), RH017RE (Qs 312m, 312p)

1993-4 Sibling Mail Questionnaire:

Extraversion: NH001REC, items NH003RER-NH008RER (Qs 39a, 39d, 39f, 39j, 39t, 39v)

Agreeableness: NH009REC, items NH011RER-NH016RER (Qs 39b, 39o, 39p, 39w, 39y, 39bb)

Conscientiousness: NH017REC, items NH019RER-NH024RER (Qs 39c, 39h, 39l, 39q, 39u, 39cc)

Neuroticism: NH025REC, items NH027RER-NH031RER (Qs 39i, 39m, 39r, 39x, 39z)

Openness: NH032REC, items NH034RER-NH-039RER (Qs 39e, 39g, 39k, 39n, 39s, 39aa)

1993-4 Sibling Telephone Interview:

Extraversion: SH001REC, items SH011RE (Qs 308n, 309), SH016RE (Qs 312f, 312j)

Agreeableness: SH009REC, items SH014RE (Qs 310m, 310p), SH018RE (Qs 314, 314b)

Conscientiousness: SH007REC, items SH015RE (Qs 310s, 311), SH019RE (Qs 314f, 314j)

Neuroticism: SH005REC, items SH013RE (Qs 310f, 310j), SH020RE (Qs 314m, 314p)

Openness: SH003REC, items SH012RE (Qs 310, 310b), SH017RE (Qs 312m, 312p)

Source

John, O. P., Donahue, E. M., & Kentle, R. L. (1991). *The "Big Five" inventory – version 4a and 5a*. Berkely, CA: Institute of Personality and Social Research, University of California, Berkeley.

Selected Studies Using Big Five Personality Items Scales

Flynn, Kathryn E. and Maureen A. Smith. 2007. "Personality and Health Care Decision-Making Style " *Journal of Gerontology: Psychological Sciences* 62B:261-267.

Hauser, R. M., Kuo, H. D., & Cartmill, R. (1997). Birth order and personality: Are there any effects? Paper presented at the Meetings of the Population Association of American, Washington, D.C.

Kuo, H. D. (1997). Socioeconomic status and personality in mid-life: An application of the sibling resemblance model. Paper presented at the Meetings of the American Sociological Association, Toronto, Canada.

DEPRESSION (CESD)

Depressive Symptoms (Center for Epidemiological Studies Depression scale)

MU001REC: continuous variable based on 20 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MU003RER (18a), MU004RER (18b), MU005RER (18c), MU006RER (18d), MU007RER (18e), MU008RER (18f), MU009RER (18g), MU010RER (18h), MU011RER (18i), MU012RER (18j), MU013RER (18k), MU014RER (18l), MU015RER (18m), MU016RER (18n), MU017RER (18o), MU018RER (18p), MU019RER (18q), MU020RER (18r), MU021RER (18s), MU022RER (18t)

On how many days in the past week did you

MU003RER. “feel you could not shake off the blues even with help from your family and friends?”

MU004RER. “feel bothered by things that don’t usually bother you?”

MU005RER. “think your life had been a failure?”

MU006RER. “feel happy?”

MU007RER. “feel that people were unfriendly?”

MU008RER. “feel lonely?”

MU009RER. “enjoy life?”

MU010RER. “have crying spells?”

MU011RER. “feel the people disliked you?”

MU012RER. “feel sad?”

MU013RER. “feel depressed?”

MU014RER. “have trouble keeping your mind on what you were doing?”

MU015RER. “not feel like eating, your appetite was poor?”

MU016RER. “feel you were just as good as other people?”

MU017RER. “feel everything you did was an effort?”

MU018RER. “feel hopeful about the future?”

MU019RER. “feel fearful?”

MU020RER. “sleep restlessly?”

MU021RER. “talk less than usual?”

MU022RER. “feel you could not ‘get going’?”

Coding: 0 zero days; 1 one day; 2 two days; 3 three days; 4 four days; 5 five days; 6 six days; 7 seven days; -3 not ascertained/refused.

Scaling: MU001REC was constructed by summing the valid values across the twenty items (see Note for additional details in the scoring method). Items MU006RER, MU009RER, MU016RER and MU018RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .90$

1992-3 Respondent Mail Questionnaire

Note: Some respondents answered the first few questions yet did not complete subsequent items. If these respondents answered at least ten questions, then a sum has been computed. Other respondents answered questions scattered throughout this section of the questionnaire and left the remainder of the questions blank. It was assumed that these respondents only answered the questions that applied to them. If at least three items of the questions that comprise this scale were answered and all items answered received a nonzero response, then a sum was computed for MU001REC using zero as the score for unanswered questions.

MU002RE: number of depression/psychological distress items answered
= 0 if no depression/psychological distress questions answered
= 1- 20 if one to twenty questions answered

Note: For those respondents who answered at least three items with nonzero responses (that is, for whom a sum for MU001REC was calculated; see above), MU002RE is coded as “20”.

Cross-Referencing

1992-3 Respondent Telephone Interview: These questions were not asked.

1993-4 Sibling Mail Questionnaire: NU001REC, items NU003RER-NU022RER (Qs 40a-40t)

1993-4 Sibling Telephone Interview: These questions were not asked.

Source

Radloff, L. S. (1977). The CES-D scale: A self-report depression scale for researching the general population. *Applied Psychological Measurement*, 1, 385-401.

Selected Studies Using CESD Scale

Carr, D. (1997). The fulfillment of career dreams at midlife: Does it matter for women's mental health? *Journal of Health & Social Behavior*, 38(4), 331-344.

Carr, D. (2002). Socioeconomic background and midlife health in the United States. In S. Crystal, & D. Shea (Eds.), *Annual review of gerontology and geriatrics, volume 22: Economic outcomes in later life: Public policy, health, and cumulative advantage*. (pp. 155-183). New York, NY: Springer.

1992-3 Respondent Mail Questionnaire

MacLean, A., & Hauser R. M. (2004). Socioeconomic status and depression among adult siblings. Center for Demography and Ecology (CDE) Working Paper 2000-04. University of Wisconsin-Madison.

Marks, N. F. (1996). Flying solo at midlife: Gender, marital status, and psychological well-being. *Journal of Marriage & the Family*, 58, 917-932.

Seltzer, M. M., J. S. Greenberg, F. J. Floyd, Y. Pettee, and J. Hong. 2001. "Life Course Impacts of Parenting a Child With a Disability." *American Journal on Mental Retardation* 106:265-286.

Springer, Kristen W., Sheridan, Jennifer, Kuo, Daphne, Carnes, Molly. 2007. "Long-Term Physical and Mental Health Consequences of Childhood Physical Abuse: Results from a Large Population-Based Sample of Men and Women." *Child Abuse and Neglect* 31:517-530.

FAMILY-WORK SPILLOVER ($\alpha=.73$)

Subscales (n = 3)

1. Family Stress Spills Over To Work

MY001REC: continuous variable based on 4 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MY003RER (22a), MY004RER (22c), MY005RER (22d), MY006RER (22e)

MY003RER. "Family matters reduce the time I can devote to my job."

MY004RER. "Family worries or problems distract me from my work."

MY005RER. "Family activities stop me from getting the amount of sleep I need to do my job well."

MY006RER. "Family obligations reduce the time I need to relax or be by myself."

Coding: 1 strongly agree; 2 agree; 3 neither agree nor disagree; 4 disagree; 5 strongly disagree; -2 inappropriate; -3 not ascertained/refused.

Scaling: MY001REC was constructed by summing the valid values across the four items if at least one item received a valid response. All items were reverse coded in the creation of this variable.

Note: MY003RER is a constructed variable based on questions scn4, 21 and 22a.

Reliability: $\alpha = .73$

MY001REI: an imputed version of MY001REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least two items received a valid response. The variable is coded -3 if there are fewer than two valid responses.

MY002RE: number of family stress spillover items answered
= 0 if no family stress spillover items answered
= 1-4 if one to four items answered

2. Work Stress Spills Over Into Family Life

MY007REC: continuous variable based on 4 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MY009RER (22g), MY010RER (22h), MY011RER (22k), MY012RER (22i)

MY009RER. "My job reduces the amount of time I can spend with the family."

MY010RER. "Problems at work make me irritable at home."

MY011RER. "My job takes so much energy I don't feel up to doing things that need attention at home."

MY012RER. "My job involves a lot of travel away from home."

Coding: 1 strongly agree; 2 agree; 3 neither agree nor disagree; 4 disagree; 5 strongly disagree; -2 inappropriate; -3 not ascertained/refused.

Scaling: MY007REC was constructed by summing the valid values across the four items if at least one item received a valid response. All items were reverse coded in the creation of this variable.

Reliability: $\alpha = .56$

MY007REI: an imputed version of MY007REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least two items received a valid response. The variable is coded -3 if there are fewer than two valid responses.

MY008RE: number of work stress spillover items answered
= 0 if no work stress spillover items answered
= 1-4 if one to four items answered

3. Family Enhancement Spills Over Into Work Life

MY013REC: continuous variable based on 3 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MY015RER (22b), MY016RER (22f), MY017RER (22j)

MY015RER. "I can do good work on the job because I am so happy at home."

MY016RER. "Family responsibilities make me work harder on the job."

MY017RER. "I can devote a lot of time to my job because of the support I get on the home front."

Coding: 1 strongly agree; 2 agree; 3 neither agree nor disagree; 4 disagree; 5 strongly disagree; -2 inappropriate; -3 not ascertained/refused.

1992-3 Respondent Mail Questionnaire

Scaling: MY013REC was constructed by summing the valid values across the three items if at least one item received a valid response. All items were reverse coded in the creation of this variable.

Reliability: $\alpha = .42$

MY013REI: an imputed version of MY013REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least two items received a valid response. The variable is coded -3 if there are fewer than two valid responses.

MY014RE: number of family enhancing work items answered
= 0 if no family enhancing work items answered
= 1-3 if one to three items answered

Cross-Referencing

1992-3 Respondent Telephone Interview: These questions were not asked.

1993-4 Sibling Mail Questionnaire:

Family Stress Spills Over to Work: NY001REC, items NY003RER-NY006RER
(Qs 45a, 45c, 45d, 45e)

Work Stress Spills Over into Family Life: NY007REC, items NY009RER-
NY012RER (Qs 45g, 45h, 45k, 45i)

Family Enhancement Spills Over into Work Life: NY013REC, items
NY015RER-NY017RER (Qs 45b, 45f, 45j)

1993-4 Sibling Telephone Interview: These questions were not asked.

Source

These measures were developed by Alice Rossi on behalf of the John D. and Catherine T. MacArthur Network on Successful Midlife Development (MIDMAC) group, active from 1991 to 1994. A slightly adapted version of these items, plus others, are also included in MIDUS 1995 and MIDUS 2004.

For more information see:

Grzywacz, J. G., & Marks, N. F. (2000). Reconceptualizing the work-family interface: An ecological perspective on the correlates of positive and negative spillover between work and family. *Journal of Occupational Health Psychology, 5* (1), 111-126.

Selected Studies Using Family-Work Spillover Scales

Marks, N. F. (1998). Does it hurt to care? Caregiving, work-family conflict, and midlife well-being. *Journal of Marriage & the Family*, 60, 951-966.

Raymo, James M., Sweeney, Megan M.. 2006. "Work-Family Conflict and Retirement Preferences." *Journal of Gerontology: Social Sciences* 61B:S161-S169.

BRANDSTADTER GOAL ATTAINMENT ($\alpha = .73$)

Subscales (n = 2)

1. Flexible Goal Adjustment (FGA)

MN055REC: continuous variable based on 5 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MN057RER (20b), MN058RER (20c), MN059RER (20g), MN060RER (20i), MN061RER (20j)

MN057RER. “If I don’t get something I want, I take it with patience.”

MN058RER. “It is very difficult for me to accept a setback or defeat.”

MN059RER. “I find it easy to see something positive even in a serious mishap.”

MN060RER. “When everything seems to be going wrong, I can usually find a bright side to a situation.”

MN061RER. “In general, I am not upset very long about an opportunity passed up.”

Coding: 1 strongly agree; 2 agree; 3 neither agree nor disagree; 4 disagree; 5 strongly disagree; -3 not ascertained/refused.

Scaling: MN055REC was constructed by summing the valid values across the five items if at least one item received a valid response. Items MN057RER, MN059RER, MN060RER and MN061RER were reverse coded in creating this variable.

Reliability: $\alpha = .66$

MN055REI: an imputed version of MN055REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least three items received a valid response. The variable is coded -3 if there are fewer than three valid responses.

MN056RE: number of FGA items answered

= 0 if no FGA items answered

= 1-5 if one to five items answered

2. Tenacious Goal Pursuit (TGP)

MN062REC: continuous variable based on 5 items

1992-3 Respondent Mail Questionnaire

Items: 1992-3 Respondent Mail Questionnaire, Questions MN064RER (20a), MN065RER (20d), MN066RER (20e), MN067RER (20f), MN068RER (20h)

MN064RER. “Even when things seem hopeless, I keep on fighting to reach my goals.”

MN065RER. “I stick to my goals and projects even in the face of great adversity.”

MN066RER. “The harder a goal is to achieve, the more appeal it has to me.”

MN067RER. “I can be very stubborn in pursuing my goals.”

MN068RER. “To avoid disappointment, I don’t set my goals too high.”

Coding: 1 strongly agree; 2 agree; 3 neither agree nor disagree; 4 disagree; 5 strongly disagree; -3 not ascertained/refused.

Scaling: MN062REC was constructed by summing the valid values across the five items if at least one item received a valid response. Items MN064RER, MN065RER, MN066RER and MN067RER were reverse coded in creation of this variable.

Reliability: $\alpha = .74$

MN062REI: an imputed version of MN062REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least three items received a valid response. The variable is coded -3 if there are fewer than three valid responses.

MN063RE: number of TGP items answered
= 0 if no TGP items answered
= 1-5 if one to five items answered

Cross-Referencing

1992-3 Respondent Telephone Interview: These questions were not asked.

1993-4 Sibling Mail Questionnaire:

Flexible Goal Adjustment: NP055REC, items NP057RER-NP061RER (Qs 42b, 42c, 42g, 42i, 42j)

Tenacious Goal Pursuit: NP062REC, items NP064RER-NP068RER (Qs 42a, 42d, 42e, 42f, 42h)

1993-4 Sibling Telephone Interview: These questions were not asked.

Source

Brandstadter, J. (1984). Personal and social control over development: Some implications of an action perspective in life-span developmental psychology. In P. B. Baltes, & O. G. Grim, Jr. (Eds.), *Life-span development and behavior* (Volume 6). New York, NY: Academic Press.

Brandstadter, J., & Renner, G. (1990). Tenacious goals pursuit and flexible goal adjustment: Explication and age-related analysis of assimilative and accommodative strategies of coping. *Psychology & Aging*, 5, 58-67.

Selected Studies Using Brandstadter Goal Attainment Scales

Seltzer, M. M., Greenberg, J. S., & Floyd, F. (2000). Flexible goal adjustment as a coping mechanism for midlife parents of children with disabilities. Paper presented at the Meetings of the Gerontological Society of American, Washington DC.

Seltzer, Marsha Mailick, Jan S. Greenberg, Frank J. Floyd, and Jinkuk Hong. 2004. "Accommodative Coping and Well-Being of Midlife Parents of Children With Mental Health Problems or Developmental Disabilities." *American Journal of Orthopsychiatry* 74:187-195.

HOSTILITY

Hostility

MU026REC: continuous variable based on 3 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MU023RER (18u), MU024RER (18v), MU025RER (18w)

On how many days during the past week did you

MU023RER. “feel irritable, or likely to fight or argue?”

MU024RER. “feel like telling someone off?”

MU025RER. “feel angry or hostile for several hours at a time?”

Coding: 0 zero days; 1 one day; 2 two days; 3 three days; 4 four days; 5 five days; 6 six days; 7 seven days; -3 not ascertained/refused.

Scaling: MU026REC was constructed by summing the valid values across the three items if at least two items received a valid response.

Reliability: $\alpha = .79$

MU027RE: number of hostility items answered
= 0 if no hostility items answered
= 1-3 if one to three items answered

Cross-Referencing

1992-3 Respondent Telephone Interview: These questions were not asked.

1993-4 Sibling Mail Questionnaire: These questions were not asked.

1993-4 Sibling Telephone Interview: These questions were not asked.

Source

Spielberger, C. (1988). State-Trait Anger Expression Inventory. Professional manual. Psychological Assessment Resources, Odessa, FL.

Selected Studies Using Hostility Scale

1992-3 Respondent Mail Questionnaire

Marks, N. F. (1996). Flying solo at midlife: Gender, marital status, and psychological well-being. *Journal of Marriage and the Family*, 58, 917-32.

Seltzer, M. M., Greenberg, J. S., Floyd, F. J., Pettee, Y., & Hong, J. (2001). Life course impacts of parenting a child with a disability. *American Journal on Mental Retardation*, 106(3), 256-286.

HEALTH SYMPTOMS

Total Number of Symptoms

MX082REC: continuous variable based on 22 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MX016RER (9Aa), MX019RER (9Ab), MX022RER (9Ac), MX025RER (9Ad), MX028RER (9Ae), MX031RER (9Af), MX034RER (9Ag), MX037RER (9Ah), MX040RER (9Ai), MX043RER (9Aj), MX046RER (9Ak), MX049RER (9Al), MX052RER (9Am), MX055RER (9An), MX058RER (9Ao), MX061RER (9Ap), MX064RER (9Aq), MX067RER (9Ar), MX070RER (9As), MX073RER (9At), MX076RER (9Au), MX079RER (9Av)

In the past six months have you

MX016RER. “felt a lack of energy.”
MX019RER. “had trouble sleeping.”
MX022RER. “had fatigue or exhaustion.”
MX025RER. “had headaches.”
MX028RER. “had visual problems.”
MX031RER. “felt dizziness or faintness.”
MX034RER. “felt numbness.”
MX037RER. “had ringing in the ears.”
MX040RER. “felt nausea.”
MX043RER. “vomited.”
MX046RER. “had upset stomach.”
MX049RER. “had constipation.”
MX052RER. “had diarrhea.”
MX055RER. “had urination problems.”
MX058RER. “had aching muscles.”
MX061RER. “had stiff/swollen joints.”
MX064RER. “had back pain or strain.”
MX067RER. “had chest pain.”
MX070RER. “felt shortness of breath.”
MX073RER. “had excess sweating.”
MX076RER. “had respiratory problems.”
MX079RER. “had skin problems.”

Coding: 1 has symptom; 2 does not have symptom.

Scaling: MX082REC was constructed by counting the number of the “has symptom” responses across the 22 items.

Reliability: Kuder-Richardson Coef. (KR-20) = .77

Cross-Referencing

1992-3 Respondent Telephone Interview: These questions were not asked.

1993-4 Sibling Mail Questionnaire: NX102RER, items NX045RER-NX099RER, every second item including NX045RER and NX099RER (Qs 10Aa-10Az, 10A2, 10B3)

1993-4 Sibling Telephone Interview: These questions were not asked.

Source

TK

Selected Studies Using Health Symptoms Scale

Carr, D. (2002). Socioeconomic background and midlife health in the United States. In S. Crystal, & D. Shea (Eds.), *Annual review of gerontology and geriatrics, volume 22: Economic outcomes in later life: Public policy, health, and cumulative advantage*. (pp. 155-183). New York, NY: Springer.

Miech, R. A., & Hauser, R. M. (2001). Socioeconomic status (SES) and health at midlife: A comparison of educational attainment with occupation-based indicators. *Annals of Epidemiology*, 11(2), 75-84.

ILLNESS

Total Number of Illnesses

MX117REC: continuous variable based on 17 items

Items: 1992-3 Respondent Mail Questionnaire, Questions MX083RER (10Aa), MX085RER (10Ab), MX087RER (10Ac), MX089RER (10Ad), MX091RER (10Ae), MX093RER (10Af), MX095RER (10Ag), MX097RER (10Ah), MX099RER (10Ai), MX101RER (10Aj), MX103RER (10Ak), MX105RER (10Al), MX107RER (10Am), MX109RER (10An), MX111RER (10Ao), MX113RER (10Ap), MX115RER (10Aq)

Has a medical professional says you have

MX083RER. "anemia."

MX085RER. "asthma."

MX087RER. "arthritis or rheumatism."

MX089RER. "bronchitis or emphysema."

MX091RER. "cancer."

MX093RER. "chronic liver trouble."

MX095RER. "diabetes."

MX097RER. "serious back trouble."

MX099RER. "heart trouble."

MX101RER. "high blood pressure."

MX103RER. "circulation problems."

MX105RER. "kidney or bladder problems."

MX107RER. "ulcer."

MX109RER. "allergies."

MX111RER. "multiple sclerosis."

MX113RER. "colitis."

MX115RER. "some other illness or condition."

Coding: 1 has symptom; 2 does not have symptom.

Scaling: MX117RE was constructed by counting the number of the illness checked across the 17 items.

Reliability: INAP

Note: MX115RER is a constructed variable based on questions 10Aq and IN75 and only available among respondents who were interviewed in 1975.

Cross-Referencing

1992-3 Respondent Mail Questionnaire

1992-3 Respondent Telephone Interview: These questions were not asked.

1993-4 Sibling Mail Questionnaire: NX139RER, items NX103RER-NX137RER, every second item including NX103RER and NX139RER (Qs 11Aa-11Ar, a11A4)

1993-4 Sibling Telephone Interview: These questions were not asked.

Source

Duke University Center for the Study of Aging and Human Development. (1978). *Multidimensional functional assessment: The OARS methodology*. Durham, NC: Duke University.

Selected Studies Using Illness Scale

Miech, R. A., & Hauser, R. M. (2001). Socioeconomic status (SES) and health at midlife: A comparison of educational attainment with occupation-based indicators. *Annals of Epidemiology*, *11*(2), 75-84.

BODY MASS INDEX (BMI)

Body Mass Index

MX011REC: continuous variable based on 2 items

Items: 1992-3 Mail Questionnaire, Questions MX009RER (6), MX010REC (7a, 7b, 7c, 7d)

MX009RER. "How much do you weigh?"

MX010REC. "How tall are you?"

Coding: MX009RER is coded in pounds; -3 not ascertained/refused. MX010REC is coded in inches; -3 not ascertained/refused (two decimal places are implied in the data file). MX011REC is one's body mass index, based on the formula BMI equals kilograms/meters squared.

Scaling: MX011REC was constructed using the formula: BMI = (weight in pounds * 703)/ height in inches squared, or $MX011REC = (MX009RER * 703)/MX010RER^2$.

Reliability: INAP

Notes: MX010RER is a constructed variable based on questions 7a, 7b, 7c and 7d. In the public data file, MX009RER is bottom-coded at 100 and top-coded at 300; MX010REC is bottom-coded at 5500 and top-coded at 7700. In the public data file, MX011REC was created using bottom- and top-coded values for MX009RER and MX010RER.

Cross-Referencing

1992-3 Respondent Telephone Interview: These questions were not asked.

1993-4 Sibling Mail Questionnaire: NX025REC, items NX023RER (Q 6), NX024RER (Qs 7a-7d)

1993-4 Sibling Telephone Interview: These questions were not asked.

Source

National Heart, Lung, and Blood Institute [NHLBI]. 1998. *Clinical Guidelines on the Identification, Evaluation, and Treatment of Overweight and Obesity in Adults*. (National Institutes of Health Publication, 98-4083). Bethesda, MD: National Institutes of Health.

Selected Studies Using BMI Scale

Carr, D. (2002). Socioeconomic background and midlife health in the United States. In S. Crystal, & D. Shea (Eds.), *Annual review of gerontology and geriatrics, volume 22: Economic outcomes in later life: Public policy, health, and cumulative advantage*. (pp. 155-183). New York, NY: Springer.

1992-3 Respondent Telephone Interview

PSCYHOLOGICAL WELL-BEING

*These questions were administered to test for mode effects in the measurement of Psychological Well-Being (PWB). Research using these measures demonstrates that self-administered instruments provide more valid psychological measurements than telephone surveys. We strongly encourage WLS researchers to use the PWB measures based on the mail survey. Please see: Springer, Kristen W., Hauser, Robert M.. 2006. "An Assessment of the Construct Validity of Ryff's Scales of Psychological Well-Being: Method, Mode, and Measurement Effects." *Social Science Research* 35:1119-1130.*

An 80% random sample was selected to be asked psychological well-being questions in the 1992-3 respondent telephone interviews. If RN001RE = 0, the respondent was not in this 80% sample; if RN001RE = 1, the respondent was in the 80% sample.

Subscales (n = 6)

1. Autonomy

RN002RED: continuous variable based on 2 items

Items: 1992-3 Respondent Telephone Interview, Questions RN016REC (RE001RE, 438s, 439), RN025REC (RE001RE, 490, 490b)

RN016REC: "I tend to be influenced by people with strong opinions."

RN025REC: "I judge myself by what I think is important, not by what others think is important."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 neither agree nor disagree; 5 disagree slightly; 6 disagree moderately; 7 disagree strongly; -1 don't know; -2 inappropriate (RN001RE = 0); -3 refused/not ascertained.

Scaling: RN002RED was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. If the respondent is not in the 80% random sample for psychological well-being (RN001RE = 0), the variable is coded -2. RN025REC was reverse coded in the creation of this variable.

Notes: RN016REC is a constructed variable based on questions RE001RE, 438s and 439. RN025REC is a constructed variable based on questions RE001RE, 490 and 490b.

Reliability: $\alpha = .22$

RN003RED: number of autonomy items answered
= 0 if no autonomy items answered
= 1 if one autonomy item answered
= 2 if two autonomy items answered
= -2 if inappropriate (RN001RE = 0)

2. Environmental Mastery

RN004RED: continuous variable based on 2 items

Items: 1992-3 Respondent Telephone Interview, Questions RN017REC (RE001RE, 440, 440b), RN021REC (RE001RE, 442m, 442p)

RN017REC. "In general, I feel I am in charge of the situation in which I live."

RN021REC. "The demands of everyday life often get me down."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 neither agree nor disagree; 5 disagree slightly; 6 disagree moderately; 7 disagree strongly; -1 don't know; -2 inappropriate (RN001RE = 0); -3 refused/not ascertained.

Scaling: RN004RED was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. If the respondent is not in the 80% random sample for psychological well-being (RN001RE = 0), the variable is coded -2. RN017REC was reverse coded in the creation of this variable.

Notes: RN017REC is a constructed variable based on questions RE001RE, 440 and 440b. RN021REC is a constructed variable based on questions RE001RE, 442m and 442p.

Reliability: $\alpha = .33$

RN005RED: number of environmental mastery items answered
= 0 if no environmental mastery items answered
= 1 if one environmental mastery item answered
= 2 if two environmental mastery items answered
= -2 if inappropriate (RN001RE = 0)

3. Personal Growth

RN006RED: continuous variable based on 2 items

Items: 1992-3 Respondent Telephone Interview, Questions RN022REC (RE001RE, 442s, 443), RN026REC (RE001RE, 490m, 490p)

RN022REC. “For me, life has been a continuous process of learning, changing, and growing.”

RN026REC. “I gave up trying to make big improvements or changes in my life a long time ago.”

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 neither agree nor disagree; 5 disagree slightly; 6 disagree moderately; 7 disagree strongly; -1 don't know; -2 inappropriate (RN001RE = 0); -3 refused/not ascertained.

Scaling: RN006RED was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. If the respondent is not in the 80% random sample for psychological well-being (RN001RE = 0), the variable is coded -2. RN022REC was reverse coded in the creation of this variable.

Notes: RN022REC is a constructed variable based on questions RE001RE, 442s and 443. RN026REC is a constructed variable based on questions RE001RE, 490m and 490p.

Reliability: $\alpha = .31$

RN007RED: number of personal growth items answered

- = 0 if no personal growth items answered
- = 1 if one personal growth item answered
- = 2 if two personal growth items answered
- = -2 if inappropriate (RN001RE = 0)

4. Positive Relation with Others

RN008RED: continuous variable based on 2 items

Items: 1992-3 Respondent Telephone Interview, Questions RN018REC (RE001RE, 440m, 440p), RN023REC (RE001RE, 488g, 488j)

RN018REC. “Maintaining close relationships has been difficult and frustrating for me.”

RN023REC. “I have not experienced many warm and trusting relationships with others.”

1992-3 Respondent Telephone Interview

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 neither agree nor disagree; 5 disagree slightly; 6 disagree moderately; 7 disagree strongly; -1 don't know; -2 inappropriate (RN001RE = 0); -3 refused/not ascertained.

Scaling: RN008RED was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. If the respondent is not in the 80% random sample for psychological well-being (RN001RE = 0), the variable is coded -2.

Notes: RN018REC is a constructed variable based on questions RE001RE, 440m and 440p. RN023REC is a constructed variable based on questions RE001RE, 488g and 488j.

Reliability: $\alpha = .56$

RN009RED: number of positive relations with others items answered
= 0 is no positive relations items answered
= 1 if one positive relations item answered
= 2 if two positive relations items answered
= -2 if inappropriate (RN001RE = 0)

5. Purpose in Life

RN010RED: continuous variable based on 2 items

Items: 1992-3 Respondent Telephone Interview, Questions RN019REC (RE001RE, 440s, 441), RN024REC (RE001RE, 488m, 488p)

RN019REC. "Some people wander aimlessly through life but I am not one of them."

RN024REC. "I live life one day at a time and don't really think about the future."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 neither agree nor disagree; 5 disagree slightly; 6 disagree moderately; 7 disagree strongly; -1 don't know; -2 inappropriate (RN001RE = 0); -3 refused/not ascertained.

Scaling: RN010RED was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. If the respondent is not in the 80% random sample for psychological well-being (RN001RE = 0), the variable is coded -2. RN019REC was reverse coded in the creation of this variable.

1992-3 Respondent Telephone Interview

Notes: RN019REC is a constructed variable based on questions RE001RE, 440s and 441. RN024REC is a constructed variable based on questions RE001RE, 488m and 488p.

Reliability: $\alpha = .15$

RN011RED: number of purpose in life items answered
= 0 if no purpose in life items answered
= 1 if one purpose in life item answered
= 2 if two purpose in life items answered
= -2 if inappropriate (RN001RE = 0)

6. Self-Acceptance

RN012RED: continuous variable based on 2 items

Items: 1992-3 Respondent Telephone Interview, Questions RN020REC (RN001RE, 442, 442b), RN027REC (RN001RE, 492f, 492j)

RN020REC. "When I look at the story of my life, I am pleased with how things have turned out."

RN027REC. "I like most aspects of my personality."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 neither agree nor disagree; 5 disagree slightly; 6 disagree moderately; 7 disagree strongly; -1 don't know; -2 inappropriate (RN001RE = 0); -3 refused/not ascertained.

Scaling: RN012RED was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. If the respondent is not in the 80% random sample for psychological well-being (RN001RE = 0), the variable is coded -2. Both items were reverse coded in the creation of this variable.

Notes: RN020REC is a constructed variable based on questions RE001RE, 442 and 442b. RN027REC is a constructed variable based on questions RE001RE, 492f and 492j.

Reliability: $\alpha = .35$

RN013RED: number of self-acceptance items answered
= 0 if no self-acceptance items answered
= 1 if one self-acceptance item answered
= 2 if two self-acceptance items answered

= -2 if inappropriate (RN001RE = 0)

7. Total Score for Psychological Well-Being

RN014RED: continuous variable based on 12 items

Items: 1992-3 Respondent Telephone Interview, Questions RN016REC (RE001RE, 438s, 439), RN017REC (RE001RE, 440, 440b), RN018REC (RE001RE, 440m, 440p), RN019REC (RE001RE, 440s, 441), RN020REC (RE001RE, 442, 442b), RN021REC (RE001RE, 442m, 442p), RN022REC (RE001RE, 442s, 443), RN023REC (RE001RE, 488g, 488j), RN024REC (RE001RE, 488m, 488p), RN025REC (RE001RE, 490, 490b), RN026REC (RE001RE, 490m, 490p), RN027REC (RE001RE, 492f, 492j)

- RN016REC. "I tend to be influenced by people with strong opinions."
RN017REC. "In general, I feel I am in charge of the situation in which I live."
RN018REC. "Maintaining close relationships has been difficult and frustrating for me."
RN019REC. "Some people wander aimlessly through life but I am not one of them."
RN020REC. "When I look at the story of my life, I am pleased with how things have turned out."
RN021REC. "The demands of everyday life often get me down."
RN022REC. "For me, life has been a continuous process of learning, changing, and growing."
RN023REC. "I have not experienced many warm and trusting relationships with others."
RN024REC. "I live life one day at a time and don't really think about the future."
RN025REC. "I judge myself by what I think is important, not by what others think is important."
RN026REC. "I gave up trying to make big improvements or changes in my life a long time ago."
RN027REC. "I like most aspects of my personality."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 neither agree nor disagree; 5 disagree slightly; 6 disagree moderately; 7 disagree strongly; -1 don't know; -2 inappropriate (RN001RE = 0); -3 refused/not ascertained.

Scaling: RN014RED was constructed by summing the valid values across the twelve items if at least one item received a valid response. RN017REC, RN019REC, RN020REC, RN022REC, RN025REC and RN027REC were reverse coded in the creation of this variable.

Reliability: $\alpha = .61$

Notes: RN016REC is a constructed variable based on questions RE001RE, 438s and 439. RN017REC is a constructed variable based on questions RE001RE, 440 and 440b. RN018REC is a constructed variable based on questions RE001RE, 440m and 440p. RN019REC is a constructed variable based on questions RE001RE, 440s and 441. RN020REC is a constructed variable based on questions RE001RE, 442 and 442b. RN021REC is a constructed variable based on questions RE001RE, 442m and 442p. RN022REC is a constructed variable based on questions RE001RE, 442s and 443. RN023REC is a constructed variable based on questions RE001RE, 488j and 488g. RN024REC is a constructed variable based on questions RE001RE, 488m and 488p. RN025REC is a constructed variable based on questions RE001RE, 490 and 490b. RN026REC is a constructed variable based on questions RE001RE, 490m and 490p. RN027REC is a constructed variable based on questions RE001RE, 492f and 492j.

RN014REI: an imputed version of RN014REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least six items received a valid response. The variable is coded -3 if there are fewer than six valid responses. If the respondent is not in the 80% random sample for psychological well-being (RN001RE = 0), the variable is coded -2.

RN015RED: total number of psychological well-being items answered
= 0 if no psychological well-being items answered
= 1-12 if one to twelve items answered
= -2 if inappropriate (RN001RE = 0)

Cross-Referencing

1992-3 Respondent Mail Questionnaire: no total score for all subscales

Autonomy: MN001REC, items MN00ERER-MN009RER (Qs 19a, 19g, 19h, 19o, 19v, 19cc, 19jj)

Environmental Mastery: MN010REC, items MN012RER-MN018RER (Qs 19b, 19i, 19n, 19p, 19w, 19dd, 19kk)

Personal Growth: MN019REC, items MN021RER-MN027RER (Qs 19c, 19j, 19q, 19u, 19x, 19ee, 19ll)

Positive Relations with Others: MN028REC, items MN030RER-MN036RER (Qs 19d, 19k, 19r, 19y, 19bb, 19ff, 19mm)

Purpose in Life: MN037REC, items MN039RER-MN045RER (Qs 19e, 19l, 19x, 19z, 19gg, 19ii, 19nn)

Self-Acceptance: MN046REC, items MN048RER-MN054RER (Qs 19f, 19m, 19t, 19aa, 19hh, 19oo, 19pp)

1993-4 Sibling Mail Questionnaire: no total score for all subscales

Autonomy: NP001REC, items NP003RER-NP009RER (Qs 41a, 41g, 41h, 41o, 41v, 41cc, 41jj)

Environmental Mastery: NP010REC, items NP012RER-NP018RER (Qs 41b, 41i, 41n, 41p, 41s, 41dd, 41kk)

Personal Growth: NP019REC, items NP021RER-NP027RER (Qs 41c, 41j, 41q, 41u, 41s, 41ee, 41ll)

Positive Relations with Others: NP028REC, items NP030RER-NP036RER (Qs 41d, 41k, 41r, 41y, 41bb, 41ff, 41mm)

Purpose in Life: NP037REC, items NP039RER-NP045RER (Qs 41e, 41l, 41s, 41z, 41gg, 41ii, 41nn)

Self-Acceptance: NP047REC, items NP048RER-NP054RER (Qs 41f, 41m, 41t, 41aa, 41hh, 41pp, 41oo)

1993-4 Sibling Telephone Interview: RN014RED (total score), items SN016REC-SN027REC

Autonomy: SN002RED, items SN016REC (Qs 438s, 439), SN025REC (Qs 490, 490b)

Environmental Mastery: SN004RED, items SN017REC (Qs 440, 440b), SN021REC (Qs 442m, 442p)

Personal Growth: SN006RED, items SN022REC (Qs 442s, 443), SN026REC (Qs 490m, 490p)

Positive Relations with Others: SN008RED, items SN018REC (Qs 440m, 440p), SN023REC (Qs 488g, 488j)

Purpose in Life: SN010RED, items SN019REC (Qs 440s, 441), SN024REC (Qs 488m, 488p)

Self-Acceptance: SN012RED, items SN020REC (Qs 442, 442b), SN027REC (Qs 492f, 492j)

Source

Ryff, C. D. (1989). Happiness is everything, or is it? Explorations on the meaning of psychological well-being. *Journal of Personality & Social Psychology*, 57, 1069-1081.

Selected Studies Using Psychological Well-Being Scales

Ryff, C. D., & Singer, B. (1996). Psychological well-being: Meaning, measurement, and implications for psychotherapy research. *Psychotherapy & Psychosomatics*, 65, 14-23.

Ryff, C. D., Magee, W. J., Kling, K. C., & Wing, E. H. (1999). Forging macro-microlinkages in the study of psychological well-being. In C. D. Ryff, & V. W.

1992-3 Respondent Telephone Interview

Marshall (Eds.), *The self and society in aging processes*. New York, NY: Springer.

Seltzer, M. M., Greenberg, J. S., Floyd, F. J., Pettee, Y., & Hong, J. (2001). Life course impacts of parenting a child with a disability. *American Journal on Mental Retardation* 106(3), 256-286.

BIG FIVE PERSONALITY ITEMS ($\alpha = .54$)

Subscales (n = 5)

1. Extraversion

RH001REC: continuous variable based on 2 items

Items: 1992-3 Respondent Telephone Interview, Questions RH011RE (308n, 309), RH016RE (312f, 312j)

I see myself as someone who

RH011RE. “is outgoing and sociable.”

RH016RE. “tends to be quiet.”

Coding: 0 neither agree nor disagree; 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -1 don't know; -3 refused/not ascertained.

Scaling: RH001REC was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. RH011RE was reverse coded in the creation of this variable.

Notes: RH001RE is a constructed variable based on questions 308n and 309. RH016RE is a constructed variable based on questions 312f and 312j.

Reliability: $\alpha = .57$

RH002REC: number of extraversion items answered
= 0 if no extraversion items answered
= 1 if one extraversion item answered
= 2 if two extraversion items answered

2. Openness

RH003REC: continuous variable based on 2 items

Items: 1992-3 Respondent Telephone Interview, Questions RH012RE (310, 310b), RH017RE (312m, 312p)

I see myself as someone who

RH012RE. “is inventive.”

RH017RE. “prefers work that is simple and routine.”

Coding: 0 neither agree nor disagree; 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -1 don't know; -3 refused/not ascertained.

Scaling: RH003REC was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. RH012RE was reverse coded in the creation of this variable.

Notes: RH012RE is a constructed variable based on questions 310 and 310b. RH017RE is a constructed variable based on questions 312m and 312p.

Reliability: $\alpha = .39$

RH004REC: number of openness items answered
= 0 if no openness items answered
= 1 if one openness item answered
= 2 if two openness items answered

3. Neuroticism

RH005REC: continuous variable based on 2 items

Items: 1992-3 Respondent Telephone Interview, Questions RH013RE (310f, 310j), RH020RE (314m, 314p)

I see myself as someone who

RH013RE. “worries a lot.”

RH020RE. “is relaxed and handles stress well.”

Coding: 0 neither agree nor disagree; 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -1 don't know; -3 refused/not ascertained.

Scaling: RH005REC was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. RH013RE was reverse coded in the creation of this variable.

Notes: RH013RE is a constructed variable based on questions 310f and 310j. RH020RE is a constructed variable based on questions 314m and 314p.

Reliability: $\alpha = .58$

RH006REC: number of neuroticism items answered
= 0 if no neuroticism items answered
= 1 if one neuroticism item answered
= 2 if two neuroticism items answered

4. Conscientiousness

RH007REC: continuous variable based on 2 items

Items: 1992-3 Respondent Telephone Interview, Questions RH015RE (310s, 311), RH019RE (314f, 314j)

I see myself as someone who

RH015RE. “can be somewhat careless.”

RH019RE. “is easily distracted.”

Coding: 0 neither agree nor disagree; 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -1 don't know; -3 refused/not ascertained.

Scaling: RH007REC was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3.

Notes: RH015RE is a constructed variable based on questions 310s and 311. RH019RE is a constructed variable based on questions 314f and 314j.

Reliability: $\alpha = .44$

RH008REC: number of conscientiousness items answered
= 0 if no conscientiousness items answered
= 1 if one conscientiousness item answered
= 2 if two conscientiousness items answered

5. Agreeableness

RH009REC: continuous variable based on 2 items

Items: 1992-3 Respondent Telephone Interview, Questions RH014RE (310m, 310p), RH018RE (314, 314b)

1992-3 Respondent Telephone Interview

I see myself as someone who

RH014RE. “has a forgiving nature.”

RH018RE. “tends to find fault with others.”

Coding: 0 neither agree nor disagree; 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -1 don't know; -3 refused/not ascertained.

Scaling: RH009REC was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. RH014RE was reverse coded in the creation of this variable.

Notes: RH014RE is a constructed variable based on questions 310m and 310p. RH018RE is a constructed variable based on questions 314 and 314b.

Reliability: $\alpha = .38$

RH010REC: number of agreeableness items answered
= 0 if no agreeableness items answered
= 1 if one agreeableness item answered
= 2 if two agreeableness items answered

Cross-Referencing

1992-3 Respondent Mail Questionnaire:

Extraversion: MH001REC, items MH003RER-MH008RER (Qs 17a, 17d, 17f, 17j, 17t, 17v)

Agreeableness: MH009REC, items MH011RER-MH016RER (Qs 17b, 17o, 17p, 17w, 17y, 17bb)

Conscientiousness: MH017REC, items MH019RER-MH024RER (Qs 17c, 17h, 17l, 17g, 17u, 17cc)

Neuroticism: MH025REC, items MH027RER-MH031RER (Qs 17i, 17m, 17r, 17x, 17z)

Openness: MH032REC, items MH034RER-MH039RER (Qs 17e, 17g, 17k, 17n, 17s, 17aa)

1993-4 Sibling Mail Questionnaire:

Extraversion: NH011REC, items NH003RER-NH008RER (Qs 39a, 39d, 39f, 39j, 39t, 39v)

Agreeableness: NH009REC, items NH011RER-NH016RER (Qs 39b, 39o, 39p, 39w, 39y, 39bb)

Conscientiousness: NH017REC, items NH019RER-NH024RER (Qs 39c, 39h, 39l, 39q, 39u, 39cc)

1992-3 Respondent Telephone Interview

Neuroticism: NH025REC, items NH027RER-NH031RER (Qs 39i, 39m, 39r, 39x, 39z)

Openness: NH032REC, items NH034RER-NH039RER (Qs 39e, 39g, 39k, 39n, 39s, 39aa)

1993-4 Sibling Telephone Interview:

Extraversion: SH001REC, items SH011RE (Qs 308n, 309), SH016RE (Qs 312f, 312j)

Agreeableness: SH009REC, items SH014RE (Qs 310m, 310p), SH018RE (Qs 314, 314b)

Conscientiousness: SH007REC, items SH015RE (Qs 310s, 311), SH019RE (Qs 314f, 314j)

Neuroticism: SH005REC, items SH013RE (Qs 310f, 310j), SH020RE (Qs 314m, 314p)

Openness: SH003REC, items SH012RE (Qs 310, 310b), SH017RE (Qs 312m, 312p)

Source

John, O. P., Donahue, E. M., & Kentle, R. L. (1991). *The "Big Five" inventory – version 4a and 5a*. Berkely, CA: Institute of Personality and Social Research, University of California, Berkeley.

Selected Studies Using Big Five Personality Items Scales

Hauser, R. M., Kuo, H. D., & Cartmill, R. (1997). Birth order and personality: Are there any effects? Paper presented at the Meetings of the Population Association of American, Washington, D.C.

Kuo, H. D. (1997). Socioeconomic status and personality in mid-life: An application of the sibling resemblance model. Paper presented at the Meetings of the American Sociological Association, Toronto, Canada.

DEPRESSION HISTORY

A 79% random sample was selected to be asked depression, depression history and drinking problems/alcohol symptoms questions in the 1992-3 Respondent Telephone Interviews (RU001RE). If RU001RE = 0, the respondent was not in this 79% sample; if RU001RE = 1, the respondent was in the 79% sample. The depression questions were only asked of those respondents who were selected to the 79% random sample.

The respondent was asked whether he/she had ever had a time in his/her life lasting two weeks or more when nearly every day he/she felt depressed (RU002RE). If RU002RE = 2, the respondent has never had an episode of depression; if RU002RE = 1, the respondent has had at least one episode of depression. The cause of depression (RU003RE) was only asked of those respondents for whom RU002RE = 1.

The respondent was asked whether his/her experience with depression was always caused by alcohol, drugs, medications or physical illness (RU003RE). If RU003RE = 1, the respondent's depression was always caused by alcohol, drugs, medications or physical illness; if RU003RE = 2, the respondent's depression was sometimes caused by alcohol, drugs, medications or physical illness; if RU003RE = 3, the respondent's depression was never caused by alcohol, drugs, medications or physical illness. The depression symptoms were only asked of those respondents for whom RU003RE = 2 or 3.

Depression Symptoms Count

RU024REC: continuous variable based on 7 items

Items: 1992-3 Respondent Telephone Interview, Questions RU006RE (870a), RU007RE (870b), RU008RE (870c), RU009RE (870d), RE010RE (870e), RU011RE (870f), RU012RE (870g)

RU006RE. "During this episode of depression, did the respondent lose weight without trying to – as much as 2 pounds a week for several weeks or as much as 10 pounds altogether?"

RU007RE. "Did respondent have two weeks or more when nearly every night (he/she) had trouble falling asleep?"

RU008RE. "Did respondent have two weeks or more when (he/she) lacked energy or felt tired all the time, even when (he/she) had not been working very hard?"

RU009RE. "Did respondent have two weeks or more when (he/she) felt very bad when waking up, but felt better later in the day?"

RU010RE. "Did respondent have two weeks or more when (he/she) lost interest in most things like work, hobbies, or things (he/she) usually liked to do for fun?"

RU011RE. "Did respondent have two weeks or more when nearly every day (he/she) had a lot more trouble concentrating than normal?"

1992-3 Respondent Telephone Interview

RU012RE. “Did respondent have two weeks or more when (he/she) thought a lot about death – either (his/her) own, someone else’s, or death in general?”

Coding: 1 yes; 2 no; -1 don’t know; -2 inappropriate (RU001RE = 0 or RU002RE = 2 or RU003RE = 1); -3 refused/not ascertained.

Reliability: Kuder-Richardson Coef. (KR-20) = .67

Scaling: RU024REC was constructed by summing the “yes” responses across the 7 items if at least 4 items received a valid response. The variable is coded -3 if there are fewer than 4 items with valid response. The variable is coded -2 if respondent was not in the sample (RU001RE = 0) or the depression was always caused by alcohol, drugs, medications, or physical illness (RU003RE = 1). The variable is coded 0 if the respondent had never had an episode of depression (RU002RE = 2).

RUA24RE: number of depression items answered
= 0 if no depression items answered
= 1-7 if one to seven items answered
= -2 if inappropriate (RU001RE = 0 or RU002RE = 2 or RU003RE = 1)

Cross-Referencing

1992-3 Respondent Mail Questionnaire: These questions were not asked.

1993-4 Sibling Mail Questionnaire: These questions were not asked.

1993-4 Sibling Telephone Interview: SU024REC, items SU006RE-SU012RE (Qs 870a-870g)

Source

TK

Selected Studies Using Depression History Scale

Carr, D. (1997). The fulfillment of career dreams at midlife: Does it matter for women’s mental health? *Journal of Health & Social Behaviour*, 38(4), 331-344.

Singer, B. H., Ryff, C. D., Carr, D., & Magee, W. (1998). Linking life histories and mental health: A person-centered strategy. *Sociological Methodology*, 28, 1-51.

ALCOHOL SYMPTOMS

A 79% random sample was selected to be asked depression, depression history and drinking problems/alcohol symptoms questions in the 1992-3 Respondent Telephone Interviews (RU001RE). If RU001RE = 0, the respondent was not in this 79% sample; if RU001RE = 1, the respondent was in the 79% sample. RU034REC includes only those respondents who were selected to the 79% random sample.

Respondent was asked whether he/she has ever drunk alcoholic beverages such as beer, wine, liquor or mixed alcoholic drinks. If RU025RE = 1, the respondent answered “yes,” he/she has drunk alcoholic beverages; if RU025RE = 2, the respondent answered “no,” he/she has never drunk alcoholic beverages. RU034REC includes only those respondents for whom RU025RE = 1.

Alcohol Symptoms Count

RU034REC: continuous variable based on 5 items

Items: 1992-3 Respondent Telephone Interview, Questions RU030RE (876), RU031RE (876f), RU032RE (876m), RU033RE (876s), RU035RE (878) and RU036RE (878a)

- RU030RE. “Has respondent ever felt bad or guilty about drinking?”
- RU031RE. “Have people ever annoyed respondent by criticizing respondent’s drinking?”
- RU032RE. “Has respondent’s drinking ever caused a problem at work?”
- RU033RE. “Has respondent’s drinking ever created problems between respondent and spouse, children, parents, or other near relatives?”
- RU035RE. “Has respondent ever gone to anyone for help about drinking?”
- RU036RE. “If respondent has ever gone to anyone for help about drinking, was that about respondent’s own drinking or someone else’s drinking?”

Coding: For RU030RE to RU035RE: 1 yes; 2 no; -1 don’t know; -2 inappropriate (RU001RE = 0 or RU025RE = 2); -3 refused/not ascertained. For RU036RE: 1 respondent; 2 someone else; 3 respondent and someone else; -1 don’t know; -2 inappropriate (RU035RE not = 1).

Scaling: RU034REC was constructed by summing the number of “yes” responses across the five items if at least three items received a valid response. RU035RE and RU036RE are used to identify one symptom, which is whether the respondent had ever gone to anyone for his/her own drinking (RU035RE=1 & RU036RE=1 or 3). RU034REC coded -3 if there are fewer than three valid responses. If the

1992-3 Respondent Telephone Interview

respondent is not in the 80% random sample (RU001RE=0), or had never drank alcoholic beverages (RU025RE=2), the variable is coded -2.

Reliability: Kuder-Richardson Coef. (KR-20) = .72

Notes: RU034REC is a constructed variable based on questions 876, 876f, 876m, 876s, 878 and 878a.

RUA34RE: number of alcohol items answered
= 0 if no alcohol items answered
= 1-5 if one to five items answered
= -2 if inappropriate (RU001RE = 0 or RU025RE = 2)

Cross-Referencing

1992-3 Respondent Mail Questionnaire: These questions were not asked.

1993-4 Sibling Mail Questionnaire: These questions were not asked.

1993-4 Sibling Telephone Interview: SU034REC, items SU030RE-SU033RE, SU035RE (Qs 876, 876f, 876m, 876s, 878)

Source

Seltzer M. L. (1971). The Michigan Alcoholism Screening Test: The quest for a new diagnostic instrument. *American Journal of Psychiatry*, 127(12), 1653-1658.

Selected Studies Using Alcohol Symptoms Scale

Krahn, D., Freese, J., Hauser, R. M., Barry, K., & Goodman, B. (2003). Alcohol use and cognition at mid-life: The importance of adjusting for baseline cognitive ability and educational attainment. *Alcoholism: Clinical & Experimental Research*, 27(7), 1162-66.

Seltzer, M. M., Greenberg, J. S., Floyd, F. J., Pettee, Y., & Hong, J. (2001). Life course impacts of parenting a child with a disability. *American Journal on Mental Retardation*, 106(3), 265-286.

COGNITION VARIABLES

Sum of Scores for Cognition Questions

RI001RE: continuous variable based on 8 items

Items: 1992-3 Respondent Telephone Interview, Questions RI002RE (314t), RI003RE (316), RI004RE (316f), RI005RE (316m), RI006RE (316s), RI007RE (318), RI008RE (318f), RI009RE (318m)

In what way are

RI002RE. “an orange and a banana alike?”

RI003RE. “a table and a chair alike?”

RI004RE. “an eye and an ear alike?”

RI005RE. “an egg and a seed alike?”

RI006RE. “air and water alike?”

RI007RE. “work and play alike?”

RI008RE. “a fly and a tree alike?”

RI009RE. “praise and punishment alike?”

Coding: A score of 0 (low), 1 or 2 (high) was assigned to each response by a computer program. See COR548 and COR572 for detailed information about the scoring of cognition items. If a question was not answered, the code is -3. If at least one individual score is -3, then RI001RE is -3.

Scaling: RI001RE was constructed by summing the valid values across the eight items. RI001RE is coded -3 if at least one of the eight items is coded -3.

Reliability: $\alpha = .51$

Note: Items RI002RE-RI009RE are 8 of the 14 items from the Wechsler Adult Intelligence Scale (WAIS).

Cross-Referencing

1992-3 Respondent Mail Questionnaire: These questions were not asked.

1993-4 Sibling Mail Questionnaire: These questions were not asked.

1993-4 Sibling Telephone Interview: SI001RE, items SI002RE-SI011RE (Qs 314t, 315, 316f, 315e, 316m, 316, 315g, 318, 318f, 318m)

Source

Wechsler, D. (1981). *Wechsler Adult Intelligence Scale – Revised manual*. San Antonio, TX: The Psychological Corporation.

Selected Studies Using Cognition Items Scale

Hauser, R. M., Sheridan, J. T., & Warren, J. R. (1999). Socioeconomic achievements of siblings in the life course: New findings from the WLS. *Research on Aging*, 21(2), 338-378.

Krahn, D., Freese, J., Hauser, R. M., Barry, K., & Goodman, B. (2003). Alcohol use and cognition at mid-life: The importance of adjusting for baseline cognitive ability and educational attainment. *Alcoholism: Clinical & Experimental Research*, 27(7), 1162-66.

1993-4 Sibling Mail Questionnaire

PSYCHOLOGICAL WELL-BEING ($\alpha = .93$)

Subscales (n = 6)

1. Autonomy

NP001REC: continuous variable based on 7 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NP003RER (41a), NP004RER (41g), NP005RER (41h), NP006RER (41o), NP007RER (41v), NP008RER (41cc), NP009RER (41jj)

NP003RER. "My decisions are not usually influenced by what everyone else is doing."

NP004RER. "I have confidence in my opinions even if they are contrary to the general consensus."

NP005RER. "I tend to worry about what other people think of me."

NP006RER. "I often change my mind about decisions if friends or family disagree."

NP007RER. "I am not afraid to voice my opinions, even when they are in opposition to the opinions of most people."

NP008RER. "Being happy with myself is more important to me than having others approve of me."

NP009RER. "It's difficult for me to voice my opinions on controversial matters."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/ refused.

Scaling: NP001REC was constructed by summing the valid values across the seven items if at least one item received a valid response. NP003RER, NP004RER, NP007RER and NP008RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .71$

NP001REI: an imputed version of NP001REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least four items received a valid response. The variable is coded -3 if there are fewer than four valid responses.

NP002RE: number of autonomy items answered
= 0 if no autonomy items answered
= 1-7 if one to seven autonomy items answered

2. Environmental Mastery

NP010REC: continuous variable based on 7 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NP012RER (41b), NP013RER (41i), NP014RER (41n), NP015RER (41p), NP016RER (41w), NP017RER (41dd), NP018RER (41kk)

NP012RER. "I am good at juggling my time so that I can fit everything in that needs to get done."

NP013RER. "I often feel overwhelmed by my responsibilities."

NP014RER. "I am quite good at managing the many responsibilities of my daily life."

NP015RER. "I do not fit very well with the people and community around me."

NP016RER. "I have difficulty arranging my life in a way that is satisfying to me."

NP017RER. "I have been able to create a lifestyle for myself that is much to my liking."

NP018RER. "I generally do a good job of taking care of my personal finances and affairs."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/ refused.

Scaling: NP010REC was constructed by summing the valid values across the seven items if at least one item received a valid response. NP012RER, NP014RER, NP017RER and NP018RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .74$

NP010REI: an imputed version of NP010REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least four items received a valid response. The variable is coded -3 if there are fewer than four valid responses.

NP011RE: number of environmental mastery items answered

= 0 if no environmental mastery items answered
= 1-7 if one to seven items answered

3. Personal Growth

NP019REC: continuous variable based on 7 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NP021RER (41c), NP022RER (41j), NP023RER (41q), NP024RER (41u), NP025RER (41x), NP026RER (41ee), NP027RER (41ll)

- NP021RER. "I am not interested in activities that will expand my horizons."
NP022RER. "I have the sense that I have developed a lot as a person over time."
NP023RER. "When I think about it, I haven't really improved much as a person over the years."
NP024RER. "I think it is important to have new experiences that challenge how I think about myself and the world."
NP025RER. "I don't want to try new ways of doing things – my life is fine the way it is."
NP026RER. "I do not enjoy being in new situations that require me to change my old familiar ways of doing things."
NP027RER. "There is truth to the saying you can't teach an old dog new tricks."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/ refused.

Scaling: NP019REC was constructed by summing the valid values across the seven items if at least one item received a valid response. NP022RER and NP024RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .76$

NP019REI: an imputed version of NP019REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least four items received a valid response. The variable is coded -3 if there are fewer than four valid responses.

NP020RE: number of personal growth items answered
= 0 if no personal growth items answered
= 1-7 if one to seven items answered

4. Positive Relations with Others

NP028REC: continuous variable based on 7 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NP030RER (41d), NP031RER (41k), NP032RER (41r), NP033RER (41y), NP034RER (41bb), NP035RER (41ff), NP036RER (41mm)

NP030RER. "I don't have many people who want to listen when I need to talk."

NP031RER. "I enjoy personal and mutual conversations with family members and friends."

NP032RER. "I often feel lonely because I have few close friends with whom to share my concerns."

NP033RER. "It seems to me that most people have more friends than I do."

NP034RER. "People would describe me as a giving person, willing to share my time with others."

NP035RER. "Most people see me as loving and affectionate."

NP036RER. "I know I can trust my friends and they know they can trust me."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/ refused

Scaling: NP028REC was constructed by summing the valid values across the seven items if at least one item received a valid response. NP031RER, NP034RER, NP035RER and NP036RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .77$

NP028REI: an imputed version of NP028REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least four items received a valid response. The variable is coded -3 if there are fewer than four valid responses.

NP029RE: number of positive relations to others items answered
= 0 if no positive relations to others items answered
= 1-7 if one to seven items answered

5. Purpose in Life

NP037REC: continuous variable based on 7 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NP039RER (41e), NP040RER (41l), NP041RER (41s), NP042RER (41z), NP043RER (41gg), NP044RER (41ii), NP045RER (41nn)

NP039RER. "I enjoy making plans for the future and working to make them a reality."

NP040RER. "My daily activities often seem trivial and unimportant to me."

NP041RER. "I am an active person in carrying out the plans I set for myself."

NP042RER. "I tend to focus on the present because the future nearly always brings me problems."

NP043RER. "I don't have a good sense of what I'm trying to accomplish in life."

NP044RER. "I sometimes feel as if I've done all there is to do in life."

NP045RER. "I used to set goals for myself, but that now seems like a waste of time."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/refused

Scaling: NP037REC was constructed by summing the valid values across the seven items if at least one item received a valid response. NP039RER and NP041RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .79$

NP037REI: an imputed version of NP037REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least four items received a valid response. The variable is coded -3 if there are fewer than four valid responses.

NP038RE: number of purpose in life items answered
= 0 if no purpose in life items answered
= 1-7 if one to seven items answered

6. Self-Acceptance

NP046REC: continuous variable based on 7 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NP048RER (41f), NP049RER (41m), NP050RER (41t), NP051RER (41aa), NP052RER (41hh), NP053RER (41pp), NP054RER (41oo)

NP048RER. "I feel like many of the people I know have gotten more out of life than I have."

NP049RER. "In general, I feel confident and positive about myself."

NP050RER. "When I compare myself to friends and acquaintances, it makes me feel good about who I am."

NP051RER. "My attitude about myself is probably not as positive as most people feel about themselves."

NP052RER. "I made some mistakes in the past, but all in all everything has worked out for the best."

NP053RER. "The past had its ups and downs, but in general, I wouldn't want to change it."

NP054RER. "In many ways, I feel disappointed about my achievements in life."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/ refused

Scaling: NP046REC was constructed by summing the valid values across the seven items if at least one item received a valid response. NP049RER, NP050RER, NP052RER and NP053RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .81$

NP046REI: an imputed version of NP046REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least four items received a valid response. The variable is coded -3 if there are fewer than four valid responses.

NP047RE: number of self-acceptance items answered
= 0 if no self-acceptance items answered
= 2-7 if two to seven items answered

Cross-Referencing

1992-3 Respondent Mail Questionnaire: no total score for all subscales

Autonomy: MN001REC, items MN003RER-MN009RER (Qs 19a, 19g, 19h, 19o, 19v, 19cc, 19jj)

1993-4 Sibling Mail Questionnaire

Environmental Mastery: MN010REC, items MN012RER-MN018RER (Qs 19b, 19i, 19n, 19p, 19w, 19dd, 19kk)

Personal Growth: MN019REC, items MN021RER-MN027RER (Qs 19c, 19j, 19q, 19u, 19x, 19ee, 19ll)

Positive Relations with Others: MN018REC, items MN0030RER-MN036RER (Qs 19d, 19k, 19r, 19y, 19bb, 19ff, 19mm)

Purpose in Life: MN037REC, items MN039RER-MN045RER (Qs 19e, 19l, 19s, 19z, 19gg, 19ii, 19nn)

Self-Acceptance: MN046REC, items MN048RER-MN054RER (Qs 19f, 19m, 19t, 19aa, 19hh, 19oo, 19pp)

1992-3 Respondent Telephone Interview: RN014RED (total score), items RN016REC-RN027REC

Autonomy: RN002RED, items RN016REC (Qs 438s, 439), RN025REC (Qs 490, 490b)

Environmental Mastery: RN004RED, items RN017REC (Qs 440, 400b), RN021REC (Qs 442m, 442p)

Personal Growth: RN006RED, items RN022RED (Qs 442s, 443), RN026REC (Qs 490m, 490p)

Positive Relations with Others: RN008RED, items RN108REC (Qs 440m, 440p), RN023REC (Qs 488g, 488j)

Purpose in Life: RN010RED, items RN019REC (Qs 440s, 441), RN024REC (Qs 488m, 488p)

Self-Acceptance: RN012RED, items RN020REC (Qs 442, 442b), RN027REC (Qs 492f, 492j)

1993-4 Sibling Telephone Interview: RN014RED (total score), items SN016REC-SN027REC

Autonomy: SN002RED, items SN016REC (Qs 438s, 439), SN025REC (Qs 490, 490b)

Environmental Mastery: SN004RED, items SN017REC (Qs 440, 440b), SN021REC (Qs 442m, 442p)

Personal Growth: SN006RED, items SN022REC (Qs 442s, 443), SN026REC (Qs 490m, 490p)

Positive Relations with Others: SN008RED, items SN018REC (Qs 440m, 440p), SN023REC (Qs 488g, 488j)

Purpose in Life: SN010RED, items SN019REC (Qs 440s, 441), SN024REC (Qs 488m, 488p)

Self-Acceptance: SN012RED, items SN020REC (Qs 442, 442b), SN027REC (Qs 492f, 492j)

Source

Ryff, C. D. (1989). Happiness is everything, or is it? Explorations on the meaning of psychological well-being. *Journal of Personality & Social Psychology*, 57, 1069-1081.

Selected Studies Using Psychological Well-Being Scales

- Carr, D. (1997). The fulfillment of career dreams at midlife: Does it matter for women's mental health. *Journal of Health and Social Behavior*, 38(4), 331-334
- Marks, N. F. (1996). Flying solo at midlife: Gender, marital status, and psychological well-being. *Journal of Marriage & the Family*, 58, 917-932.
- Marks, N. F. (1998). Does it hurt to care? Caregiving, work-family conflict, and midlife well-being. *Journal of Marriage & the Family*, 60, 951-966.

BIG FIVE PERSONALITY ITEMS ($\alpha = .81$)

Subscales (n = 5)

1. Extraversion

NH001REC: continuous variable based on 6 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NH003RER (39a), NH004RER (39d), NH005RER (39f), NH006RER (39j), NH007RER (39t), NH008RER (39v)

I see myself as someone who

NH003RER. "is talkative."

NH004RER. "is reserved."

NH005RER. "is full of energy"

NH006RER. "tends to be quiet."

NH007RER. "is sometimes shy, inhibited."

NH008RER. "generates a lot of enthusiasm."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/ refused

Scaling: NH001REC was constructed by summing the valid values across the six items if at least one item received a valid response. Items NH003RER, NH005RER and NH008RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .76$

NH001REI: an imputed version of NH001REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least three items received a valid response. The variable is coded -3 if there are fewer than three valid responses.

NH002RE: number of extraversion items answered
= 0 if no extraversion items answered
= 1-6 if one to six items answered

2. Agreeableness

NH009REC: continuous variable based on 6 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NH011RER (39b), NH012RER (39o), NH013RER (39p), NH014RER (39w), NH015RER (39y), NH016RER (39bb)

I see myself as someone who

NH011RER. “tends to find fault with others.”

NH012RER. “is sometimes rude to others.”

NH013RER. “is generally trusting.”

NH014RER. “can be cold and aloof.”

NH015RER. “is considerate to almost everyone.”

NH016RER. “likes to cooperate with others.”

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/refused

Scaling: NH009REC was constructed by summing the valid values across the six items if at least one item received a valid response. Items NH013RER, NH015RER and NH016RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .69$

NH009REI: an imputed version of NH009REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least three items received a valid response. The variable is coded -3 if there are fewer than three valid responses.

NH010RE: number of agreeableness items answered
= 0 if no agreeableness items answered
= 1-6 if one to six items answered

3. Conscientiousness

NH017REC: continuous variable based on 6 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NH019RER (39c), NH020RER (39h), NH021RER (39i), NH022RER (39q), NH023RER (39u), NH024RER (39cc)

I see myself as someone who

1993-4 Sibling Mail Questionnaire

NH019RER. “does a thorough job.”
NH020RER. “is a reliable worker.”
NH021RER. “tends to be disorganized.”
NH022RER. “is lazy at times.”
NH023RER. “does things efficiently.”
NH024RER. “is easily distracted.”

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/ refused

Scaling: NH017REC was constructed by summing the valid values across the six items if at least one item received a valid response. NH019RER, NH020RER and NH023RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .69$

NH017REI: an imputed version of NH017REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least three items received a valid response. The variable is coded -3 if there are fewer than three valid responses.

NH018RE: number of conscientiousness items answered
= 0 if no conscientiousness items answered
= 1-6 if one to six items answered

4. Neuroticism

NH025REC: continuous variable based on 5 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NH027RER (39i), NH028RER (39m), NH029RER (39r), NH030RER (39x), NH031RER (39z)

I see myself as someone who

NH027RER. “can be tense.”
NH028RER. “is emotionally stable, not easily upset.”
NH029RER. “worries a lot.”
NH030RER. “remains calm in tense situations.”
NH031RER. “gets nervous easily.”

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/ refused

Scaling: NH025REC was constructed by summing the valid values across the five items if at least one item received a valid response. NH027RER, NH029RER and NH031RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .75$

NH025REI: an imputed version of NH025REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least three items received a valid response. The variable is coded -3 if there are fewer than three valid responses.

NH026RE: number of neuroticism items answered
= 0 if no neuroticism items answered
= 1-5 if one to five items answered

5. Openness

NH032REC: continuous variable based on 6 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NH034RER (39e), NH035RER (39g), NH036RER (39k), NH037RER (39n), NH038RER (39s), NH039RER (39aa)

I see myself as someone who

NH034RER. “prefers the conventional, traditional.”

NH035RER. “prefers work that is routine and simple.”

NH036RER. “values artistic, aesthetic experiences.”

NH037RER. “has an active imagination.”

NH038RER. “wants things to be simple and clear-cut.”

NH039RER. “is sophisticated in art, music, or literature.”

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -3 not ascertained/ refused

Scaling: NH032REC was constructed by summing the valid values across the six items if at least one item received a valid response. NH036RER, NH037RER and NH039RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .58$

NH032REI: an imputed version of NH032REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least three items received a valid response. The variable is coded -3 if there are fewer than three valid responses.

NH033RE: number of openness items answered
= 0 if no openness items answered
= 1-6 if one to six items answered

Cross-Referencing

1992-3 Respondent Mail Questionnaire:

Extraversion: MH001REC, items MH003RER-MH008RER (Qs 17a, 17d, 17f, 17j, 17t, 17v)

Agreeableness: MH009REC, items MH011RER-MH016RER (Qs 17b, 17o, 17p, 17w, 17y, 17bb)

Conscientiousness: MH017REC, items MH019RER-MH024RER (Qs 17c, 17h, 17l, 17g, 17u, 17cc)

Neuroticism: MH025REC, items MH027RER-MH031RER (Qs 17i, 17m, 17r, 17x, 17z)

Openness: MH032REC, items MH034RER-MH039RER (Qs 17e, 17g, 17k, 17n, 17s, 17aa)

1992-3 Respondent Telephone Interview:

Extraversion: RH001REC, items RH011RE (Qs 308n, 309), RH016RE (Qs 312f, 312j)

Agreeableness: RH009REC, items RH014RE (Qs 310m, 310p), RH018RE (Qs 314, 314b)

Conscientiousness: RH007REC, items RH015RE (Qs 310s, 311), RH019RE (Qs 314f, 314j)

Neuroticism: RH005REC, items RH013RE (Qs 310f, 310j), RH020RE (Qs 314m, 314p)

Openness: RH003REC, items RH012RE (Qs 310, 310b), RH017RE (Qs 312m, 312p)

1993-4 Sibling Telephone Interview:

Extraversion: SH001REC, items SH011RE (Qs 308n, 309), SH016RE (Qs 312f, 312j)

Agreeableness: SH009REC, items SH014RE (Qs 310m, 310p), SH018RE (Qs 314, 314b)

Conscientiousness: SH007REC, items SH015RE (Qs 310s, 311), SH019RE (Qs 314f, 314j)

Neuroticism: SH005REC, items SH013RE (Qs 310f, 310j), SH020RE (Qs 314m, 314p)

Openness: SH003REC, items SH012RE (Qs 310, 310b), SH017RE (Qs 312m, 312p)

Source

John, O. P., Donahue, E. M., & Kentle, R. L. (1991). *The "Big Five" inventory – version 4a and 5a*. Berkely, CA: Institute of Personality and Social Research, University of California, Berkeley.

Selected Studies Using Big Five Personality Items Scales

Hauser, R. M., Kuo, H. D., & Cartmill, R. (1997). Birth order and personality: Are there any effects? Paper presented at the Meetings of the Population Association of American, Washington, D.C.

Kuo, H. D. (1997). Socioeconomic status and personality in mid-life: An application of the sibling resemblance model. Paper presented at the Meetings of the American Sociological Association, Toronto, Canada.

DEPRESSION (CESD)

Psychological Distress/Depressive Symptoms (Center for Epidemiological Studies Depression Scale)

NU001REC: continuous variable based on 20 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NU003RER (40a), NU004RER (40b), NU005RER (40c), NU006RER (40d), NU007RER (40e), NU008RER (40f), NU009RER (40g), NU010RER (40h), NU011RER (40i), NU012RER (40j), NU013RER (40k), NU014RER (40l), NU015RER (40m), NU016RER (40n), NU017RER (40o), NU018RER (40p), NU019RER (40q), NU020RER (40r), NU021RER (40s), NU022RER (40t)

On how many days during the past week did you

- NU003RER. “feel you could not shake off the blues even with help from your family and friends?”
- NU004RER. “feel bothered by things that don’t usually bother you?”
- NU005RER. “think your life had been a failure?”
- NU006RER. “feel happy?”
- NU007RER. “feel that people were unfriendly?”
- NU008RER. “feel lonely?”
- NU009RER. “enjoy life?”
- NU010RER. “have crying spells?”
- NU011RER. “feel that people disliked you?”
- NU012RER. “feel sad?”
- NU013RER. “feel depressed?”
- NU014RER. “have trouble keeping your mind on what you were doing?”
- NU015RER. “not feel like eating, your appetite was poor?”
- NU016RER. “feel you were just as good as other people?”
- NU017RER. “feel everything you did was an effort?”
- NU018RER. “feel hopeful about the future?”
- NU019RER. “feel fearful?”
- NU020RER. “sleep restlessly?”
- NU021RER. “talk less than usual?”
- NU022RER. “feel you could not ‘get going’?”

Coding: 0 zero day; 1 one day; 2 two days; 3 three days; 4 four days; 5 five days; 6 six days; 7 seven days; -3 not ascertained/refused

Scaling: NU001REC was constructed by summing the valid values across the twenty items if at least ten items received a valid response. NU006RER, NU009RER, NU016RER and NU018RER were reverse coded in the creation of this variable.

1993-4 Sibling Mail Questionnaire

Reliability: $\alpha = .90$

NU002RE: number of depression/psychological distress items answered
= 0 if no depression/psychological distress items answered
= 1-7 if one to seven items answered
= 10-20 if ten to twenty items answered

Cross-Referencing

1992-3 Respondent Mail Questionnaire: MU001REC, items MU003RER-MU22RER
(Qs 18a-18t)

1992-3 Respondent Telephone Interview: These questions were not asked

1993-4 Sibling Telephone Interview: These questions were not asked.

Source

Radloff, L. S. (1977). The CES-D scale: A self-report depression scale for researching the general population. *Applied Psychological Measurement*, 1, 385-401.

Selected Studies Using CESD Scale

Carr, D. (1997). The fulfillment of career dreams at midlife: Does it matter for women's mental health? *Journal of Health & Social Behavior*, 38(4), 331-344.

Carr, D. (2002). Socioeconomic background and midlife health in the United States. In S. Crystal, & D. Shea (Eds.), *Annual review of gerontology and geriatrics, volume 22: Economic outcomes in later life: Public policy, health, and cumulative advantage*. (pp. 155-183). New York, NY: Springer.

Marks, N. (1996). Flying solo at midlife: Gender, marital status, and psychological well being. *Journal of Marriage & the Family*, 58, 917-932.

FAMILY-WORK SPILLOVER ($\alpha=.74$)

Subscales (n = 3)

1. Family Stress Spills Over Into Work

NY001REC: continuous variable based on 4 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NY003RER (45a), NY004RER (45c), NY005RER (45d), NY006RER (45e)

NY003RER. "Family matters reduce the time I can devote to my job."

NY004RER. "Family worries or problems distract me from my work."

NY005RER. "Family activities stop me from getting the amount of sleep I need to do my job well."

NY006RER. "Family obligations reduce the time I need to relax or be by myself."

Coding: 1 strongly agree; 2 agree; 3 neither agree nor disagree; 4 disagree; 5 strongly disagree; -2 inappropriate (not currently employed); -3 not ascertained/refused

Scaling: NY001REC was constructed by summing the valid values across the four items if at least one item received a valid response. All items were reverse coded in the creation of this variable.

Reliability: $\alpha = .75$

NY001REI: an imputed version of NY001REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least two items received a valid response. The variable is coded -3 if there are fewer than two valid responses.

NY002RE: number of family stress spillover items answered
= 0 if no family stress spillover items answered
= 1-4 if one to four items answered

2. Work Stress Spills Over Into Family Life

NY007REC: continuous variable based on 4 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NY009RER (45g), NY010RER (45h), NY011RER (45k), NY012RER (45i)

NY009RER. “My job reduces the amount of time I can spend with the family.”

NY010RER. “Problems at work make me irritable at home.”

NY011RER. “My job takes so much energy I don’t feel like doing things that need attention at home.”

NY012RER. “My job involves a lot of travel away from home.”

Coding: 1 strongly agree; 2 agree; 3 neither agree nor disagree; 4 disagree; 5 strongly disagree; -2 inappropriate (not currently employed); -3 not ascertained/refused

Scaling: NY007REC was constructed was constructed by summing the valid values across the four items if at least one item received a valid response. All items were reverse coded in the creation of this variable

Reliability: $\alpha = .56$

NY007REI: an imputed version of NY007REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least two items received a valid response. The variable is coded -3 if there are fewer than two valid responses.

NY008RE: number of work spillover items answered
= 0 if no work spillover items answered
= 1-4 if one to four items answered

3. Family Enhancement Spills Over Into Work Life

NY013REC: continuous variable based on 3 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NY015RER (45b), NY016RER (45f), NY017RER (45j)

NY015RER. “I can do good work on the job because I am so happy at home.”

NY016RER. “Family responsibilities make me work harder on the job.”

NY017RER. “I can devote a lot of time to my job because of the support I get on the home front.”

Coding: 1 strongly agree; 2 agree; 3 neither agree nor disagree; 4 disagree; 5 strongly disagree; -2 inappropriate (not currently employed); -3 not ascertained/refused

Scaling: NY013REC was constructed by summing the valid values across the four items if at least one item received a valid response. All items were reverse coded in the creation of this variable.

Reliability: $\alpha = .38$

NY013REI: an imputed version of NY013REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least two items received a valid response. The variable is coded -3 if there are fewer than two valid responses.

NY014RE: number of family enhancement items answered
= 0 if no family enhancement items answered
= 1-3 if one to three items answered

Cross-Referencing

1992-3 Respondent Mail Questionnaire:

Family Stress Spills Over to Work: MY001REC, items MY003RER-MY006RER
(Qs 22a, 22c, 22d, 22e)

Work Stress Spills Over into Family Life: MY007REC, items MY009RER-
MY012RER (Qs 22g, 22h, 22k, 22i)

Family Enhancement Spills Over into Work Life: MY013REC, items
MY015RER-MY017RER (Qs 22b, 22f, 22j)

1992-3 Respondent Telephone Interview: These questions were not asked.

1993-4 Sibling Telephone Interview: These questions were not asked.

Source

TK

Selected Studies Using Family-Work Spillover Scales

Marks, N. F. (1998). Does it hurt to care? Caregiving, work-family conflict, and midlife well-being. *Journal of Marriage & the Family*, 60, 951-66.

BRANDSTADTER GOAL ATTAINMENT ($\alpha=.74$)

Subscales (n = 2)

1. Flexible Goal Adjustment (FGA)

NP055REC: continuous variable based on 5 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NP057RER (42b), NP058RER (42c), NP059RER (42g), NP060RER (42i), NP061RER (42j)

NP057RER. "If I don't get something I want, I take it with patience."

NP058RER. "It is very difficult for me to accept a setback or defeat."

NP059RER. "I find it easy to see something positive even in a serious mishap."

NP060RER. "When everything seems to be going wrong, I can usually find a bright side to the situation."

NP061RER. "In general, I am not upset very long about an opportunity passed up."

Coding: 1 strongly agree; 2 agree; 3 neither agree nor disagree; 4 disagree; 5 strongly disagree; -3 not ascertained/refused.

Scaling: NP055REC was constructed by summing the valid values across the five items if at least one item received a valid response. NP057RER, NP059RER, NP060RER and NP061RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .68$

NP055REI: an imputed version of NP055REC, with missing responses imputed to the mean of remaining valid responses prior to summing if at least three items received a valid response. The variable is coded -3 if there are fewer than three valid responses.

NP056RE: number of flexible FGA items answered
= 0 if no FGA items answered
= 1-5 if one to five items answered

2. Tenacious Goal Pursuit (TGP)

NP062REC: continuous variable based on 5 items

1993-4 Sibling Mail Questionnaire

Items: 1993-4 Sibling Mail Questionnaire, Questions NP064RER (42a), NP065RER (42d), NP066RER (42e), NP067RER (41f), NP068RER (41h)

NP064RER. “Even when things seem hopeless, I keep on fighting to reach my goals.”

NP065RER. “I stick to my goals and projects even in the face of great difficulties.”

NP066RER. “The harder a goal is to achieve, the more appeal it has to me.”

NP067RER. “I can be very stubborn in pursuing my goals.”

NP068RER. “To avoid disappointments, I don’t set my goals too high.”

Coding: 1 strongly agree; 2 agree; 3 neither agree nor disagree; 4 disagree; 5 strongly disagree; -3 not ascertained/refused.

Scaling: NP062REC was constructed by summing the valid values across the five items if at least one item received a valid response. NP064RER, NP065RER, NP066RER and NP067RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .73$

NP063RE: number of TGP items answered
= 0 if no TGP items answered
= 1-5 if one to five items answered

Cross-Referencing

1992-3 Respondent Mail Questionnaire:

Flexible Goal Adjustment: MN055REC, items MN057RER-MN061RER (Qs 20b, 20c, 20g, 20i, 20j)

Tenacious Goal Pursuit: MN062REC, items MN064RER-MN068RER (Qs 20a, 20d, 20e, 20f, 20h)

1992-3 Respondent Telephone Interview: These questions were not asked.

1993-4 Sibling Telephone Interview: These questions were not asked.

Source

Brandstadter, J. (1984). Personal and social control over development: Some implications of an action perspective in life-span developmental psychology. In P. B. Baltes, & O. G. Grim, Jr. (Eds.), *Life-span development and behavior* (Volume 6). New York, NY: Academic Press.

Brandstadter, J. & Renner, G. (1990). Tenacious goals pursuit and flexible goal adjustment: Explication and age-related analysis of assimilative and accommodative strategies of coping. *Psychology & Aging, 5*, 58-67.

Selected Studies Using Brandstadter Goal Attainment Scales

Seltzer, M. M., Greenberg, J. S., & Floyd, F. (2000). Flexible goal adjustment as a coping mechanism for midlife parents of children with disabilities. Paper presented at the Meetings of the Gerontological Society of American, Washington DC.

ANXIETY

Anxiety Symptoms and Beliefs

NU023REC: continuous variable based on 8 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NU025RER (40u), NU026RER (40v), NU027RER (40w), NU028RER (40x), NU029RER (40y), NU030RER (40z), NU031RER (40aa), NU032RER (40bb)

How many days during the past week did you

NU025RER. “feel you might collapse?”

NU026RER. “have difficulty swallowing?”

NU027RER. “feel you might die?”

NU028RER. “think you might be going crazy?”

NU029RER. “fear embarrassing yourself?”

NU030RER. “feel as though your surroundings were unreal?”

NU031RER. “feel that other people thought you were a fool?”

NU032RER. “have hot/cold flashes?”

Coding: 0 zero days; 1 one day; 2 two days; 3 three days; 4 four days; 5 five days; 6 six days; 7 seven days; -3 not ascertained/refused (includes all 23 original sample members who are also siblings)

Scaling: NU023REC was constructed by summing the valid values across the eight items if at least four items received a valid response. The variable is coded -3 if there are fewer than four valid responses.

Reliability: $\alpha = .79$

NU024RE: number of anxiety symptoms and beliefs items answered
= 0 if no anxiety symptoms and beliefs items answered
= 1-3 if one to three items answered
= 4-8 if four to eight items answered
= -3 if not ascertained (includes all 23 original sample members who are also siblings)

Cross-Referencing

1992-3 Respondent Mail Questionnaire: These questions were not asked.

1992-3 Respondent Telephone Interview: These questions were not asked.

1993-4 Sibling Mail Questionnaire

1993-4 Sibling Telephone Interview: These questions were not asked.

Source

TK

Selected Studies Using Anxiety Symptoms and Beliefs Scale

TK

SPIELBERGER ANXIETY & ANGER INDICES ($\alpha=.92$)

Subscales (n=2)

1. Spielberger Anxiety Index

NUA33REC: continuous variable based on 10 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NU035RER (43a), NU037RER (43c), NU039RER (43e), NU041RER (43g), NU043RER (43i), NU045RER (43k), NU047RER (43m), NU049RER (43o), NU051RER (43q), NU053RER (43s)

On how many days during the past week did you

NU035RER. “feel calm?”

NU037RER. “feel tense?”

NU039RER. “feel at ease?”

NU041RER. “worry over possible misfortune?”

NU043RER. “feel nervous?”

NU045RER. “feel jittery?”

NU047RER. “feel relaxed?”

NU049RER. “feel worried?”

NU051RER. “feel steady?”

NU053RER. “feel frightened?”

Coding: 0 zero days; 1 one day; 2 two days; 3 three days; 4 four days; 5 five days; 6 six days; 7 seven days; -3 not ascertained/refused (includes all 23 original sample members who are also siblings)

Scaling: NUA33REC was constructed by summing the valid values across the ten items if at least five items received a valid response. The variable is coded -3 if there are fewer than five valid responses within the scale. NU035RER, NU039RER, NU047RER and NU051RER were reverse coded in the creation of this variable.

Reliability: $\alpha = .88$

Note: NU035RER is a constructed variable based on questions scn9 and 43a.

NUB33REC: number of Spielberger anxiety index items answered
= 0 if no Spielberger anxiety index items answered
= 1-4 if one to four items answered
= 4-10 if five to ten items answered

= -3 if not ascertained/refused (includes all 23 original sample members who are also siblings)

2. Spielberger Anger Index

NUA34REC: continuous variable based on 10 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NU036RER (43b), NU038RER (43d), NU040RER (43f), NU042RER (43h), NU044RER (43j), NU046RER (43l), NU048RER (43n), NU050RER (43p), NU052RER (43r), NU054RER (43t)

On how many days during the past week did you

NU036RER. “feel furious?”

NU038RER. “feel like banging on the table?”

NU040RER. “feel angry?”

NU042RER. “feel like yelling at somebody?”

NU044RER. “feel like breaking things?”

NU046RER. “feel mad?”

NU048RER. “feel irritated?”

NU050RER. “feel like hitting someone?”

NU052RER. “feel burned up?”

NU054RER. “feel like swearing?”

Coding: 0 zero days; 1 one day; 2 two days; 3 three days; 4 four days; 5 five days; 6 six days; 7 seven days; -3 not ascertained/refused (includes all 23 original sample members who are also siblings)

Scaling: NUA34REC was constructed by summing the valid values across the ten items if at least five items received a valid response. The variable is coded -3 if there are fewer than five valid responses within the scale.

Reliability: $\alpha = .89$

NUB34REC: number of Spielberger anger index items answered

= 00 if no Spielberger anger index items answered

= 1-4 if one to four items answered

= 5-10 if five to ten items answered

= -3 if not ascertained/refused (includes all 23 original sample members who are also siblings)

Cross-Referencing

1993-4 Sibling Mail Questionnaire

1992-3 Respondent Mail Questionnaire: These questions were not asked.

1992-3 Respondent Telephone Interview: These questions were not asked.

1993-4 Sibling Telephone Interview: These questions were not asked.

Source

Anxiety Index

Spielberger, C. D., Gorsuch, R. L., & Lushene, R. E. (1970). *STAI: Manual for the State-Trait Anxiety Inventory*. Palo Alto, CA: Consulting Psychologists Press.

Anger Index

Spielberger, C. D. (1980). *Preliminary manual for the State-Trait Anger Scale (STAS)*. Tampa, FL: University of South Florida Human Resources Institute.

Selected Studies Using Spielberger Anxiety and Anger Indices

TK

HEALTH SYMPTOMS

Total Number of Symptoms

NX102RER: continuous variable based on 28 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NX045RER (10Aa, scn2), NX047RER (10Ab), NX049RER (10Ac), NX051RER (10Ad), NX053RER (10Ae), NX055RER (10Af), NX057RER (10Ag), NX059RER (10Ah), NX061RER (10Ai), NX063RER (10Aj), NX065RER (10Ak), NX067RER (10Al), NX069RER (10Am), NX071RER (10An), NX073RER (10Ao), NX075RER (10Ap), NX077RER (10Aq), NX079RER (10Ar), NX081RER (10As), NX083RER (10At), NX085RER (10Au), NX087RER (10Av), NX089RER (10Aw), NX091RER (10Ax), NX093RER (10Ay), NX095RER (10Az), NX097RER (10A2), NX099RER (10B3, a10B3)

How often in the past have you had

- NX045RER. "a lack of energy in the past six months?"
- NX047RER. "trouble sleeping in the past six months?"
- NX049RER. "fatigue/exhaustion in the past six months?"
- NX051RER. "headaches in the past six months?"
- NX053RER. "visual problems in the past six months?"
- NX055RER. "dizziness/faintness in the past six months?"
- NX057RER. "numbness in the past six months?"
- NX059RER. "ringing in ears in the past six months?"
- NX061RER. "nausea in the past six months?"
- NX063RER. "vomiting in the past six months?"
- NX065RER. "upset stomach in the past six months?"
- NX067RER. "constipation in the past six months?"
- NX069RER. "diarrhea in the past six months?"
- NX071RER. "urination problems in the past six months?"
- NX073RER. "aching muscles in the past six months?"
- NX075RER. "stiff/swollen joints in the past six months?"
- NX077RER. "back pain/strain in the past six months?"
- NX079RER. "chest pain in the past six months?"
- NX081RER. "shortness of breath in the past six months?"
- NX083RER. "excessive sweating in the past six months?"
- NX085RER. "respiratory problems in the past six months?"
- NX087RER. "skin problems in the past six months?"
- NX089RER. "coughing/wheezing in the past six months?"
- NX091RER. "bone pains in the past six months?"
- NX093RER. "palpitations in the past six months?"
- NX095RER. "painful sexual intercourse in the past six months?"
- NX097RER. "difficulties with sexual intercourse in the past six months?"

1993-4 Sibling Mail Questionnaire

NX099RER. “other symptoms.” [Listed; see Notes below.]

Coding: The variables that comprise this scale are coded: 0 have not had; 1 monthly or less often; 2 about once a week; 3 daily or more often; -3 not ascertained/refused (including all 23 original WLS graduate sample members who are also siblings).

Scaling: NX102RER was constructed by counting the number of items with code 1 to 3 (having symptoms of any frequency). Cases with refusal/not ascertained (including 23 original WLS graduate sample members) were tallied as “no symptoms”.

Reliability: Kuder-Richardson Coef. (KR-20) = .82

Notes: NX045RER is a constructed variable based on questions 10Aa and scn2. A complete list of the “other symptoms” that make up NX099RER is available in the 1993-4 Sibling Mail Questionnaire codebook. The total number of symptoms possible for original WLS graduate sample members is 22 while for sibling sample members the number is 28.

Cross-Referencing

1992-3 Respondent Mail Questionnaire: MX082REC, items MX016RER-MX079RER, every third item including MX016RER and MX079RER (Qs 9Aa-9Av)

1992-3 Respondent Telephone Interview: These questions were not asked.

1993-4 Sibling Telephone Interview: These questions were not asked.

Source

TK

Selected Studies Using Health Symptoms Scale

Miech, R. A., & Hauser, R. M. (2001). Socioeconomic status (SES) and health at midlife: A comparison of educational attainment with occupation-based indicators. *Annals of Epidemiology*, 11(2), 75-84.

ILLNESS

Total Number of Illnesses

NX139RER: continuous variable based on 18 items

Items: 1993-4 Sibling Mail Questionnaire, Questions NX103RER (11Aa, scn3), NX105RER (11Ab), NX107RER (11Ac), NX109RER (11Ad), NX111RER (11Ae), NX113RER (11Af), NX115RER (11Ag), NX117RER (11Ah), NX119RER (11Ai), NX121RER (11Aj), NX123RER (11Ak), NX125RER (11Al), NX127RER (11Am), NX129RER (11An), NX131RER (11Ao), NX133RER (11Ap), NX135RER (11Ap), NX137RER (11Ar, a11Ar)

Has a medical professional ever said you have

NX103RER. “anemia?”

NX105RER. “asthma?”

NX107RER. “arthritis/rheumatism?”

NX109RER. “emphysema?”

NX111RER. “cancer?”

NX113RER. “chronic liver trouble?”

NX115RER. “diabetes?”

NX117RER. “serious back trouble?”

NX119RER. “heart trouble?”

NX121RER. “high blood pressure?”

NX123RER. “circulation problems?”

NX125RER. “kidney/bladder problems?”

NX127RER. “an ulcer?”

NX129RER. “allergies?”

NX131RER. “multiple sclerosis?”

NX133RER. “colitis?”

NX135RER. “high cholesterol?”

NX137RER. “other illnesses or conditions.” [Listed; see Notes below.]

Coding: The variables that comprise this scale are coded: 1 yes; 2 no; -3 not ascertained/refused.

Scaling: NX139RER was constructed by counting the number of “yes” responses for the eighteen items.

Reliability: INAP

Notes: NX103RER is a constructed variable based on questions 11Aa scn3.

1993-4 Sibling Mail Questionnaire

NX137RER is a constructed variable based on questions 11Ar and a11Ar. A complete list of the other illnesses or conditions that make up NX137RER is available in the 1993-4 Sibling Mail Questionnaire codebook.

Cross-Referencing

1992-3 Respondent Mail Questionnaire: MX117RE, items MX083RER-MX0115RER, every second item including MX083RER and MX0115RER (Qs 10Aa-10Aq)

1992-3 Respondent Telephone Interview: These questions were not asked.

1993-4 Sibling Telephone Interview: These questions were not asked.

Source

Duke University Center for the Study of Aging and Human Development. (1978). *Multidimensional functional assessment: The OARS methodology*. Durham, NC: Duke University.

Selected Studies Using Illness Scale

Miech, R. A., & Hauser, R. M. (2001). Socioeconomic status (SES) and health at midlife: A comparison of educational attainment with occupation-based indicators. *Annals of Epidemiology*, 11(2), 75-84.

BODY MASS INDEX (BMI)

Body Mass Index

NX025REC: continuous variable based on 2 items

Items: 1993-4 Mail Questionnaire, Questions NX023RER (6), NX024RER (7a, 7b, 7c, 7d)

NX023RER. "How much do you weigh?"

NX024RER. "How tall are you?"

Coding: NX023RER is coded in pounds; -3 not ascertained/refused. NX025RER is coded in inches; -3 not ascertained/refused (two decimal places are implied in the data file). NX025REC is coded in body mass index units, based on the formula BMI equals kilograms/meters squared.

Scaling: NX025REC was constructed using the formula:
$$\text{BMI} = (\text{weight in pounds} * 703) / \text{height in inches squared}; \text{ namely,}$$
$$\text{NX025REC} = (\text{NX023RER} * 703) / \text{NX024RER}^2$$

Reliability: INAP

Notes: NX024REC is a constructed variable based on questions 7a, 7b, 7c and 7d. In the public data file, NX023RER is bottom-coded at 100 and top-coded at 300; NX024RER is bottom-coded at 5500 and top-coded at 7700. In the public data file, NX025RER was created using bottom- and top-coded values for NX023RER and NX024RER.

Cross-Referencing

1992-3 Respondent Mail Questionnaire: MX001REC, items MX009RER (Q 6), MX010RER (Qs 7a-7d)

1992-3 Respondent Telephone Interview: These questions were not asked.

1993-4 Sibling Telephone Interview: These questions were not asked.

Source

TK

Selected Studies Using BMI Scale

TK

1993-4 Sibling Telephone Interview

PSYCHOLOGICAL WELL-BEING

An 80% random sample was selected to be asked psychological well-being questions in the 1993-4 sibling telephone interviews. If SN001RE = 0, the respondent was not in this 80% sample; if SN001RE = 1, the respondent was a part of the 80% sample. For siblings who were also in the original WLS graduate sample, the values for the following variables were taken from the 1992-3 Respondent Telephone Interview (and hence the source variables also include corresponding variables with prefix "R").

Subscales (n = 6)

1. Autonomy

SN002RED: continuous variable based on 2 items

Items: 1993-4 Sibling Telephone Interview, Questions SN016REC (SN001RE, 438s, 439, RN016REC), SN025REC (SN001RE, 490, 490b, RN025REC)

SN016REC. "I tend to be influenced by people with strong opinions."

SN025REC. "I judge myself by what I think is important, not by what others think is important."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 neither agree nor disagree; 5 disagree slightly; 6 disagree moderately; 7 disagree strongly; -1 don't know; -2 inappropriate (SN001RE = 0); -3 refused/not ascertained

Scaling: SN002RED was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. If the respondent is not in the 80% random sample for psychological well-being (SN001RE = 0), the variable is coded -2. SN025REC was reverse coded in the creation of this variable.

Notes: SN002RED is a constructed variable based on variables SN001RE, SN016REC, SN025REC and RN003RED. SN016REC is a constructed variable based on questions SN001RE, 438s, 439 and RN016REC. SN025REC is a constructed variable based on questions SN001RE, 490, 490b and RN025REC.

Reliability: $\alpha = .23$

SN003RED: number of autonomy items answered
= 0 if no autonomy items answered
= 1 if one autonomy item answered
= 2 if two autonomy items answered

= -2 if inappropriate (SN001RE = 0)

2. Environmental Mastery

SN004RED: continuous variable based on 2 items

Items: 1993-4 Sibling Telephone Interview, Questions SN017REC (SN001RE, 440, 440b, RN017REC), SN021REC (SN001RE, 442m, 442p, RN021REC)

SN017REC. "In general, I feel I am in charge of the situation in which I live."

SN021REC. "The demands of everyday life often get me down."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 neither agree nor disagree; 5 disagree slightly; 6 disagree moderately; 7 disagree strongly; -1 don't know; -2 inappropriate (SN001RE = 0); -3 refused/not ascertained

Scaling: SN004RED was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. If the respondent is not in the 80% random sample for psychological well-being (SN001RE = 0), the variable is coded -2. SN017REC was reverse coded in the creation of this variable.

Notes: SN004RED is a constructed variable based on variables SN001RE, SN017REC, SN021REC and RN004RED. SN017REC is a constructed variable based on questions SN001RE, 440, 440b and RN017REC. SN021REC is a constructed variable based on questions SN001RE, 442m, 442p and RN021REC.

Reliability: $\alpha = .32$

SN005RED: number of environmental mastery items answered

= 0 if no environmental mastery items answered

= 1 if one environmental mastery item answered

= 2 if two environmental mastery items answered

= -2 if inappropriate (SN001RE = 0)

3. Personal Growth

SN006RED: continuous variable based on 2 items

Items: 1993-4 Sibling Telephone Interview, Questions SN022REC (SN001RE, 442s, 443, RN022REC), SN026REC (SN001RE, 490m, 490p, RN026REC)

SN022REC. “For me, life has been a constant process of learning, changing, and growing.”

SN026REC. “I gave up trying to make big improvements or changes in my life a long time ago.”

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 neither agree nor disagree; 5 disagree slightly; 6 disagree moderately; 7 disagree strongly; -1 don't know; -2 inappropriate (SN001RE = 0); -3 refused/not ascertained

Scaling: SN006RED was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. If the respondent is not in the 80% random sample for psychological well-being (SN001RE = 0), the variable is coded -2. SN022REC was reverse coded in the creation of this variable.

Notes: SN006RED is a constructed variable based on variables SN001RE, SN022REC, SN026REC and RN006RED. SN022REC is a constructed variable based on questions SN001RE, 442s, 443 and RN022REC. SN026REC is a constructed variable based on questions SN001RE, 490m, 490p and RN026REC.

Reliability: $\alpha = .31$

SN007RED: number of personal growth items answered
= 0 if no personal growth items answered
= 1 if one personal growth item answered
= 2 if two personal growth items answered
= -2 if inappropriate (SN001RE = 0)

4. Positive Relations with Others

SN008RED: continuous variable based on 2 items

Items: 1993-4 Sibling Telephone Interview, Questions SN018REC (SN001RE, 440m, 440p, RN018REC), SN023REC (SN001RE, 488g, 488j, RN023REC)

SN018REC. “Maintaining close relationships has been difficult and frustrating for me.”

SN023REC. “I have not experienced many warm and trusting relationships with others.”

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 neither agree nor disagree; 5 disagree slightly; 6 disagree moderately; 7 disagree strongly; -1 don't know; -2 inappropriate (SN001RE = 0); -3 refused/not ascertained

Scaling: SN008RED was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. If the respondent is not in the 80% random sample for psychological well-being (SN001RE = 0), the variable is coded -2.

Notes: SN008RED is a constructed variable based on variables SN001RE, SN018REC, SN023REC and RN008RED. SN018REC is a constructed variable based on questions SN001RE, 440m, 440p and RN018REC. SN023REC is a constructed variable based on questions SN001RE, 488g, 488j and RN023REC.

Reliability: $\alpha = .56$

SN009RED: number of positive relations with others items answered
= 0 if no positive relations items answered
= 1 if one positive relations item answered
= 2 if two positive relations items answered
= -2 if inappropriate (SN001RE = 0)

5. Purpose in Life

SN010RED: continuous variable based on 2 items

Items: 1993-4 Sibling Telephone Interview, Questions SN019REC (SN001RE, 440s, 441, RN019REC), SN024REC (SN001RE, 488m, 488p, RN024REC)

SN019REC. "Some people wander aimlessly through life but I am not one of them."

SN024REC. "I live life one day at a time and don't really think about the future."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 neither agree nor disagree; 5 disagree slightly; 6 disagree moderately; 7 disagree strongly; -1 don't know; -2 inappropriate (SN001RE = 0); -3 refused/not ascertained

Scaling: SN010RED was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. If the respondent is not in the 80% random sample for psychological well-being (SN001RE = 0), the variable is coded -2. SN019REC was reverse coded in the creation of this variable.

Notes: SN010RED is a constructed variable based on questions SN001RE, SN019REC, SN024REC and RN010RED. SN019REC is a constructed variable based on questions SN001RE, 440s, 441 and RN019REC. SN024REC is a constructed variable based on questions RN001RE, 488m, 488p and RN024REC.

Reliability: $\alpha = .14$

SN011RED: number of purpose in life items answered
= 0 if no purpose in life items answered
= 1 if one purpose in life item answered
= 2 if two purpose in life items answered
= -2 if inappropriate (SN001RE = 0)

6. Self-Acceptance

SN012RED: continuous variable based on 2 items

Items: 1993-4 Sibling Telephone Interview, Questions SN020REC (RN001R 442, 442b, RN020REC), SN027REC (RN001RE, 492f, 492j, RN027REC)

SN020REC. "When I look at the story of my life, I am pleased with how things have turned out."

SN027REC. "I like most aspects of my personality."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 neither agree nor disagree; 5 disagree slightly; 6 disagree moderately; 7 disagree strongly; -1 don't know; -2 inappropriate (SN001RE = 0); -3 refused/not ascertained

Scaling: SN012RED was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. If the respondent is not in the 80% random sample for psychological well-being (SN001RE = 0), the variable is coded -2. SN020REC and SN027REC were reverse coded in the creation of this variable.

Notes: SN012RED is a constructed variable based on questions SN001RE, SN020REC, SN027REC and RN012RED. SN020REC is a constructed variable based on questions SN001RE, 442, 442b and RN020REC. SN027REC is a constructed variable based on questions SN001RE, 492f, 492j and RN027REC.

Reliability: $\alpha = .34$

SN013RED: number of self-acceptance items answered
= 0 if no self-acceptance items answered
= 1 if one self-acceptance item answered
= 2 if two self-acceptance items answered
= 8 if inappropriate (SN001RE = 0)

7. Total Score for Psychological Well-Being

SN014RED: continuous variable based on 12 items

Items: 1993-4 Sibling Telephone Interview, Questions SN016REC (SN001RE, 438s, 439, RN016REC), SN017REC (SN001RE, 440, 440b, RN017REC), SN018REC (SN001RE, 440m, 440p, RN018REC), SN019REC (SN001RE, 440s, 441, RN019REC), SN020REC (SN001RE, 442, 442b, RN020REC), SN021REC (SN001RE, 442m, 442p, RN021REC), SN022REC (SN001RE, 442s, 443, RN022REC), SN023REC (SN001RE, 488g, 488j, RN023REC), SN024REC (SN001RE, 488m, 488p, RN024REC), SN025REC (SN001RE, 490, 490b, RN025REC), SN026REC (SN001RE, 490m, 490p, RN026REC), SN027REC (SN001RE, 492f, 492j, RN027REC)

SN016REC. "I tend to be influenced by people with strong opinions."

SN017REC. "In general, I feel I am in charge of the situation in which I live."

SN018REC. "Maintaining close relationships has been difficult and frustrating for me."

SN019REC. "Some people wander aimlessly through life but I am not one of them."

SN020REC. "When I look at the story of my life, I am pleased with how things have turned out."

SN021REC. "The demands of everyday life often get me down."

SN022REC. "For me, life has been a continuous process of learning, changing, and growing."

SN023REC. "I have not experienced many warm and trusting relationships with others."

SN024REC. "I live life one day at a time and don't really think about the future."

SN025REC. "I judge myself by what I think is important, not by what others think is important."

SN026REC. "I gave up trying to make big improvements or changes in my life a long time ago."

SN027REC. "I like most aspects of my personality."

Coding: 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 neither agree nor disagree; 5 disagree slightly; 6 disagree moderately; 7 disagree strongly; -1 don't know; -2 inappropriate (SN001RE = 0); -3 refused/not ascertained

Scaling: SN014RED was constructed by summing the valid values across the 12 items. SN017REC, SN019REC, SN020REC, SN022REC, SN025REC and SN027REC were reverse coded in the creation of this variable.

Reliability: $\alpha = .58$

Notes: SN014RED is a constructed variable based on variables SN001RE, SN016REC, SN017REC, SN018REC, SN019REC, SN020REC, SN021REC,

1993-4 Sibling Telephone Interview

SN022REC, SN023REC, SN024REC, SN025REC, SN026REC, SN027REC and RN014RED. SN016REC-SN027REC are constructed variables, based on the respective questions listed in parentheses after each variable in the above list of items of total score for psychological well-being.

SN014REI: an imputed version of SN014RED, with missing responses imputed to the mean of remaining valid responses prior to summing if at least six items received a valid response. The variable is coded -3 if there are fewer than six valid responses.

SN015RED: total number of psychological well-being items answered
= 0 if no psychological well-being items answered
= 1-12 if one to twelve items answered
= -2 if inappropriate (SN001RE = 0)

Cross-Referencing

1992-3 Respondent Mail Questionnaire: no total score for all subscales

Autonomy: MN001REC, items MN00ERER-MN009RER (Qs 19a, 19g, 19h, 19o, 19v, 19cc, 19jj)

Environmental Mastery: MN010REC, items MN012RER-MN018RER (Qs 19b, 19i, 19n, 19p, 19w, 19dd, 19kk)

Personal Growth: MN019REC, items MN021RER-MN027RER (Qs 19c, 19j, 19q, 19u, 19x, 19ee, 19ll)

Positive Relations with Others: MN028REC, items MN030RER-MN036RER (Qs 19d, 19k, 19r, 19y, 19bb, 19ff, 19mm)

Purpose in Life: MN037REC, items MN039RER-MN045RER (Qs 19e, 19l, 19x, 19z, 19gg, 19ii, 19nn)

1992-3 Respondent Telephone Interview: RN014RED (total score), items RN016REC-RN027REC

Autonomy: RN002RED, items RN016REC (Qs 438s, 439), RN025REC (Qs 490, 490b)

Environmental Mastery: RN004RED, items RN017REC (Qs 440, 400b), RN021REC (Qs 442m, 442p)

Personal Growth: RN006RED, items RN022RED (Qs 442s, 443), RN026REC (Qs 490m, 490p)

Positive Relations with Others: RN008RED, items RN108REC (Qs 440m, 440p), RN023REC (Qs 488g, 488j)

Purpose in Life: RN010RED, items RN019REC (Qs 440s, 441), RN024REC (Qs 488m, 488p)

Self-Acceptance: RN012RED, items RN020REC (Qs 442, 442b), RN027REC (Qs 492f, 492j)

1993-4 Sibling Mail Questionnaire: no total score for all subscales

Autonomy: NP001REC, items NP003RER-NP009RER (Qs 41a, 41g, 41h, 41o, 41v, 41cc, 41jj)

Environmental Mastery: NP010REC, items NP012RER-NP018RER (Qs 41b, 41i, 41n, 41p, 41s, 41dd, 41kk)

Personal Growth: NP019REC, items NP021RER-NP027RER (Qs 41c, 41j, 41q, 41u, 41s, 41ee, 41ll)

Positive Relations with Others: NP028REC, items NP030RER-NP036RER (Qs 41d, 41k, 41r, 41y, 41bb, 41ff, 41mm)

Purpose in Life: NP037REC, items NP039RER-NP045RER (Qs 41e, 41l, 41s, 41z, 41gg, 41ii, 41nn)

Self-Acceptance: NP047REC, items NP048RER-NP054RER (Qs 41f, 41m, 41t, 41aa, 41hh, 41pp, 41oo)

Source

Ryff, C. D. (1989). Happiness is everything, or is it? Explorations on the meaning of psychological well-being. *Journal of Personality & Social Psychology*, 57, 1069-1081.

Selected Studies Using Psychological Well-Being Scales

Carr, D. (1997). The fulfillment of career dreams at midlife: Does it matter for women's mental health. *Journal of Health and Social Behavior*, 38(4), 331-334.

Marks, N. F. (1996). Flying solo at midlife: Gender, marital status, and psychological well-being. *Journal of Marriage & the Family*, 58, 917-932.

Marks, N. F. (1998). Does it hurt to care? Caregiving, work-family conflict, and midlife well-being. *Journal of Marriage & the Family*, 60, 951-966.

FIVE FACTOR MODEL OF PERSONALITY STRUCTURE ($\alpha=.54$)
(BIG FIVE PERSONALITY ITEMS)

For all personality items in the 1993-4 sibling interviews, the response category “neither agree nor disagree” is coded as 0. In addition, the response category “neither agree nor disagree” is not counted as an answered question in the summary items and does not contribute a value to the summary scores.

Subscales (n = 5)

1. Extraversion

SH001REC: continuous variable based on 2 items

Items: 1993-4 Sibling Telephone Interview, Questions SH011RE (308n, 309, RH001RE), SH016RE (312f, 312j, RH016RE)

I see myself as someone who

SH011RE. “is outgoing and sociable.”

SH016RE. “tends to be quiet.”

Coding: 0 neither agree nor disagree; 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -1 don't know; -3 refused/not ascertained

Scaling: SH001REC was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. SH011RE was reverse coded in the creation of this variable.

Notes: SH011RE is a constructed variable based on questions 308n, 309 and RH001RE. SH016RE is a constructed variable based on questions 312f, 312j and RH016RE.

Reliability: $\alpha = .57$

SH002REC: number of extraversion items answered

= 0 if no extraversion items answered

= 1 if one extraversion item answered

= 2 if two extraversion items answered

2. Openness

SH003REC: continuous variable based on 2 items

1993-4 Sibling Telephone Interview

Items: 1993-4 Sibling Telephone Interview, Questions SH012RE (310, 310b, RH012RE), SH017RE (312m, 312p, RH017RE)

I see myself as someone who

SH012RE. “is inventive.”

SH017RE. “prefers work that is routine and simple.”

Coding: 0 neither agree nor disagree; 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -1 don't know; -3 refused/not ascertained

Scaling: SH003REC was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. SH012RE was reverse coded in the creation of this variable.

Notes: SH012RE is a constructed variable based on questions 310, 310b and RH012RE. RH017RE is a constructed variable based on questions 312m, 312p and RH017RE.

Reliability: $\alpha = .31$

SH004REC: number of openness questions answered
= 0 if no openness items answered
= 1 if one openness item answered
= 2 if two openness items answered

3. Neuroticism

SH005REC: continuous variable based on 2 items

Items: 1993-4 Sibling Telephone Interview, Questions SH013RE (310f, 310j, RH013RE), SH020RE (314m, 314p, RH020RE)

I see myself as someone who

SH013RE. “worries a lot.”

SH020RE. “is relaxed and handles stress well.”

Coding: 0 neither agree nor disagree; 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -1 don't know; -3 refused/not ascertained

1993-4 Sibling Telephone Interview

Scaling: SH005REC was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. SH13RE was reverse coded in the creation of this variable.

Notes: SH013RE is a constructed variable based on questions 310f, 310j and RH013RE. SH020RE is a constructed variable based on questions 314m, 314p and RH020RE.

Reliability: $\alpha = .58$

SH006REC: number of neuroticism items answered
= 0 if no neuroticism items answered
= 1 if one neuroticism item answered
= 2 if two neuroticism items answered

4. Conscientiousness

SH007REC: continuous variable based on 2 items

Items: 1993-4 Sibling Telephone Interview, Questions SH015RE (310s, 311, RH015RE), SH019RE (314f, 314j, RH019RE)

I see myself as someone who

SH015RE. "can be somewhat careless."

SH019RE. "is easily distracted."

Coding: 0 neither agree nor disagree; 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -1 don't know; -3 refused/not ascertained

Scaling: SH007REC was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3.

Notes: SH015RE is a constructed variable based on questions 310s, 311 and RH015RE. SH019RE is a constructed variable based on questions 314f, 314j and RH019RE.

Reliability: $\alpha = .47$

SH008REC: number of conscientiousness items answered
= 0 if no conscientiousness items answered
= 1 if one conscientiousness item answered
= 2 if two conscientiousness items answered

5. Agreeableness

SH009REC: continuous variable based on 2 items

Items: 1993-4 Sibling Telephone Interview, Questions SH014RE (310m, 310p, RH014RE), SH018RE (314, 314b, RH018RE)

I see myself as someone who

SH014RE. “has a forgiving nature.”

SH018RE. “tends to find fault with others.”

Coding: 0 neither agree nor disagree; 1 agree strongly; 2 agree moderately; 3 agree slightly; 4 disagree slightly; 5 disagree moderately; 6 disagree strongly; -1 don't know; -3 refused/not ascertained

Scaling: SH009REC was constructed by summing the valid values across both items. If either of the two components is missing, the variable is coded -3. SH014RE was reverse coded in the creation of this variable.

Notes: SH014RE is a constructed variable based on questions 310m, 310p and RH014RE. SH018RE is a constructed variable based on questions 314, 314b and RH018RE.

Reliability: $\alpha = .37$

SH010REC: number of agreeableness items answered

= 0 if no agreeableness items answered

= 1 if one agreeableness item answered

= 2 if two agreeableness items answered

Cross-Referencing

1992-3 Respondent Mail Questionnaire:

Extraversion: MH001REC, items MH003RER-MH008RER (Qs 17a, 17d, 17f, 17j, 17t, 17v)

Agreeableness: MH009REC, items MH011RER-MH016RER (Qs 17b, 17o, 17p, 17w, 17y, 17bb)

Conscientiousness: MH017REC, items MH019RER-MH024RER (Qs 17c, 17h, 17l, 17g, 17u, 17cc)

Neuroticism: MH025REC, items MH027RER-MH031RER (Qs 17i, 17m, 17r, 17x, 17z)

1993-4 Sibling Telephone Interview

Openness: MH032REC, items MH034RER-MH039RER (Qs 17e, 17g, 17k, 17n, 17s, 17aa)

1992-3 Respondent Telephone Interview:

Extraversion: RH001REC, items RH011RE (Qs 308n, 309), RH016RE (Qs 312f, 312j)

Agreeableness: RH009REC, items RH014RE (Qs 310m, 310p), RH018RE (Qs 314, 314b)

Conscientiousness: RH007REC, items RH015RE (Qs 310s, 311), RH019RE (Qs 314f, 314j)

Neuroticism: RH005REC, items RH013RE (Qs 310f, 310j), RH020RE (Qs 314m, 314p)

Openness: RH003REC, items RH012RE (Qs 310, 310b), RH017RE (Qs 312m, 312p)

1993-4 Sibling Mail Questionnaire:

Extraversion: NH001REC, items NH003RER-NH008RER (Qs 39a, 39d, 39f, 39j, 39t, 39v)

Agreeableness: NH009REC, items NH011RER-NH016RER (Qs 39b, 39o, 39p, 39w, 39y, 39bb)

Conscientiousness: NH017REC, items NH019RER-NH024RER (Qs 39c, 39h, 39l, 39q, 39u, 39cc)

Neuroticism: NH025REC, items NH027RER-NH031RER (Qs 39i, 39m, 39r, 39x, 39z)

Openness: NH032REC, items NH034RER-NH-039RER (Qs 39e, 39g, 39k, 39n, 39s, 39aa)

Source

John, O. P., Donahue, E. M., & Kentle, R. L. (1991). *The "Big Five" inventory – version 4a and 5a*. Berkely, CA: Institute of Personality and Social Research, University of California, Berkeley.

Selected Studies Using Big Five Personality Items Scales

Hauser, R. M., Kuo, H. D., & Cartmill, R. (1997). Birth order and personality: Are there any effects? Paper Presented at the Meetings of the Population Association of American, Washington, D.C.

Kuo, H. D. (1997). Socioeconomic status and personality in mid-life: An application of the sibling resemblance model. Paper presented at the Meetings of the American Sociological Association, Toronto, Canada.

DEPRESSION HISTORY

An 80% random sample was selected to be asked depression and alcohol symptoms questions in the 1993-4 Sibling Telephone Interviews. If SU001RE = 0, the respondent was not in this 80% sample; if SU001RE = 1, the respondent was a part of the 80% sample.

The respondent was asked whether he/she had ever had a time in his/her life lasting two weeks or more when nearly every day he/she felt sad, blue, depressed or when he/she lost interest in most things like work, hobbies or things he/she usually liked to do for fun. If SU002RE = 1, the respondent answered “yes,” that he/she has had an episode of depression; if SU002RE = 2, the respondent answered “no,” that he/she has not had an episode of depression. SU024REC includes only those respondents for whom SU002RE = 1.

The respondent was asked if his/her experience with depression was always caused by alcohol, drugs, medications or physical illness. If SU003RE = 1, the respondent answered “yes”; if SU003RE = 2, the respondent answered “sometimes”; if SU003RE = 3, the respondent answered “no.” SU024REC includes only those respondents for whom SU003RE = 2 or 3.

Depression Symptoms Count

SU024REC: continuous variable based on 7 items

Items: 1993-4 Sibling Telephone Interview, Questions SU006RE (870a, RU006RE), SU007RE (870b, RU007RE), SU008RE (870c, RU008RE), SU009RE (870d, RU009RE), SU010RE (870e, RU010RE), SU011RE (870f, RU011RE), SU012RE (870g, RU012RE)

- SU006RE. “During this episode of depression, did the respondent lose weight without trying to – as much as 2 pounds a week for several weeks or as much as 10 pounds altogether?”
- SU007RE. “Did respondent have two weeks or more when nearly every night (he/she) had trouble falling asleep?”
- SU008RE. “Did respondent have two weeks or more when (he/she) lacked energy or felt tired all the time, even when (he/she) had not been working very hard?”
- SU009RE. “Did respondent have two weeks or more when (he/she) felt very bad when waking up, but felt better later in the day?”
- SU010RE. “Did respondent have two weeks or more when (he/she) lost interest in most things like work, hobbies, or things (he/she) usually liked to do for fun?”
- SU011RE. “Did respondent have two weeks or more when nearly every day (he/she) had a lot more trouble concentrating than is normal?”

1993-4 Sibling Telephone Interview

SU012RE. “Did respondent have two weeks or more when (he/she) thought a lot about death – either (his/her) own, someone else’s, or death in general?”

Coding: 1 yes; 2 no; -1 don’t know; -2 inappropriate (SU001RE = 0 or SU002RE = 2 or SU003RE = 1); -3 refused/not ascertained

Scaling: SU024REC was constructed by counting the number “yes” responses across the 7 items if at least four items received a valid response. The variable is coded -3 if there are fewer than four valid responses. If the respondent is not in the 80% random sample (SU001RE=0), or had never had an episode of depression (SU002RE=2), or the depression was always caused by alcohol, drugs, medications or physical illness (SU003RE=1), the variable is coded -2.

Reliability: Kuder-Richardson Coef. (KR-20) = .63

Notes: SU024REC is a constructed variable based on variables SU006RE, SU007RE, SU008RE, SU009RE, SU010RE, SU011RE, SU012RE and RU024REC. SU006RE is a constructed variable based on questions 870a and RU006RE. SU007RE is a constructed variable based on questions 870b and RU007RE. SU008RE is a constructed variable based on questions 870c and RU008RE. SU009RE is a constructed variable based on questions 870d and RU009RE. SU010RE is a constructed variable based on questions 870e and RU010RE. SU011RE is a constructed variable based on questions 870f and RU011RE. SU012RE is a constructed variable based on questions 870g and RU012RE.

Cross-Referencing

1992-3 Respondent Mail Questionnaire: These questions were not asked.

1992-3 Respondent Telephone Interview: RU024REC, items RU006RE-RU012RE (Qs 870a-870g)

1993-4 Sibling Mail Questionnaire: These questions were not asked.

Source

TK

Selected Studies Using Depression Symptoms Scale

1993-4 Sibling Telephone Interview

Carr, D. (1997). The fulfillment of career dreams at midlife: Does it matter for women's mental health. *Journal of Health and Social Behaviour*, 38(4), 331-344.

Singer, B. H., Ryff, C. D., Carr, D., & Magee, W. (1998). Linking life histories and mental health: A person-centered strategy. *Sociological Methodology*, 28, 1-51.

ALCOHOL SYMPTOMS

An 80% random sample was selected to be asked depression and alcohol symptoms questions in the 1993-4 Sibling Telephone Interviews. If SU001RE = 0, the respondent was not in this 80% sample; if SU001RE = 1, the respondent was a part of the 80% sample.

Respondent was asked whether he/she has ever drunk alcoholic beverages such as beer, wine, liquor, or mixed alcoholic drinks. If SU025RE = 1, the respondent answered “yes,” he/she has drunk alcoholic beverages; if SU025RE = 2, the respondent answered “no,” he/she has never drunk alcoholic beverages. SU034REC includes only those respondents for whom SU025RE = 1.

Alcohol Symptoms Count

SU034REC: continuous variable based on 5 items

Items: 1993-4 Sibling Telephone Interview, Questions SU030RE (876, RU030RE), SU031RE (876f, RU031RE), SU032RE (876m, RU032RE), SU033RE (876s, RU033RE), SU035RE (878, RU035RE), SU036RE(878a, RU036RE)

SU030RE. “Has respondent ever felt bad or guilty about drinking?”

SU031RE. “Have people ever annoyed respondent by criticizing respondent’s drinking?”

SU032RE. “Has respondent’s drinking ever caused a problem at work?”

SU033RE. “Has respondent’s drinking ever created problems between respondent and spouse, children, parents, or other near relatives?”

SU035RE. “Has respondent ever gone to anyone for help about drinking?”

SU036RE. “If respondent has ever gone to anyone for help about drinking, was that about respondent’s own drinking or someone else’s drinking?”

Coding: for SU030RE to SU035RE: 1 yes; 2 no; -1 don’t know; -2 inappropriate (SU001RE = 0 or SU025RE =2); -3 refused/not ascertained. For SU036RE: 1 respondent; 2 someone else; 3 respondent and someone else; -1 don’t know; -2 inappropriate (SU035RE not = 1).

Scaling: SU034REC was constructed by counting the number of “yes” responses across the five items if at least three items received a valid response. SU035RE and RU036RE are used to identify one symptom, which is whether the respondent had ever gone to anyone for his/her own drinking (SU035RE=1 & SU036RE=1 or 3). SU034REC is coded -3 if there are fewer than three valid responses. If the respondent is not in the 80% random sample (SU001RE=0), or had never drunk alcoholic beverages (SU025RE=2), the variable is coded -2.

Reliability: Kuder-Richardson Coef. (KR-20) = .72

Notes: SU034REC is a constructed variable based on questions 876, 876f, 876m, 876s, 878, 878a, RU034REC. SU030RE is a constructed variable based on questions 876 and RU030RE. SU031RE is a constructed variable based on questions 876f and RU031RE. SU032RE is a constructed variable based on questions 876m and RU032RE. SU033RE is a constructed variable based on questions 876s and RU033RE. SU035RE is a constructed variable based on questions 878 and RU035RE. SU036RE is a constructed variable based on question 878a and RU036RE.

Cross-Referencing

1992-3 Respondent Mail Questionnaire: These questions were not asked.

1992-3 Respondent Telephone Interview: RU034REC, items RU030RE-RU033RE, RU035RE (Qs 876, 876f, 876m, 876s, 878)

1993-4 Sibling Mail Questionnaire: These questions were not asked.

Source

Seltzer M. L. (1971). The Michigan Alcoholism Screening Test: The quest for a new diagnostic instrument. *American Journal of Psychiatry*, 127(12), 1653-1658.

Selected Studies Using Alcohol Symptoms Scale

Krahn, D., Freese, J., Hauser, R. M., Barry, K., & Goodman, B. (2003). Alcohol use and cognition at mid-life: The importance of adjusting for baseline cognitive ability and educational attainment. *Alcoholism: Clinical & Experimental Research*, 27(7), 1162-1166.

Seltzer, M. M., Greenberg, J. S., Floyd, F. J., Pettee, Y., & Hong, J. (2001). Life course impacts of parenting a child with a disability. *American Journal on Mental Retardation*, 106(3), 265-286.

COGNITION VARIABLES

Total Cognition Score

SI001RE: continuous variable based on 10 items

Items: 1993-4 Sibling Telephone Interview, Questions SI002RE (314t, RI002RE), SI003RE (315), SI004RE (316f, RI004RE), SI005RE (315e), SI006RE (316m, RI005RE), SI007RE (316, RI003RE), SI008RE (315g), SI009RE (318, RI007RE), SI010RE (318f, RI008RE), SI011RE (318m, RI009RE)

In what way are

SI002RE. “an orange a banana alike?”

SI003RE. “a dog and a lion alike?”

SI004RE. “an eye and an ear alike?”

SI005RE. “north and west alike?”

SI006RE. “an egg and a seed alike?”

SI007RE. “a table and a chair alike?”

SI008RE. “a poem and a statue alike?”

SI009RE. “work and play alike?”

SI010RE. “a fly and a tree alike?”

SI011RE. “praise and punishment alike?”

Coding: A score of 0 (low), 1 or 2 (high) was assigned to each response by a computer program. See COR572 for detailed information about the scoring of cognition items. The code is -3 if a response was not ascertained or if the questions were not asked (some interviews were partial).

Scaling: SI001RE was constructed by summing the values across the ten items if all ten items receive a valid response. If at least one individual score is -3, SI001RE is -3. The 26 original WLS graduate sample members who are also siblings (SA005RE=4) were only asked 7 of the 10 cognition items. The other three items (SI003RE, SI005RE and SI008RE) are coded -3 for these respondents, and as a result SI001RE is coded -3 for these respondents as well.

Reliability: $\alpha = .70$

Notes: Items SI002RE-SI011RE are ten of the fourteen items from the Wechsler Adult Intelligence Scale (WAIS). SI009RE is a constructed variable based on questions 314t and RI002RE. SI004RE is a constructed variable based on questions 316f and RI004RE. SI006RE is a constructed variable based on questions 316m and RI005RE. SI007RE is a constructed variable based on questions 316 and RI003RE. SI009RE is a constructed variable based on questions 318 and RI007RE. SI010RE is a constructed variable based on

1993-4 Sibling Telephone Interview

questions 318f and RI008RE. SI011RE is a constructed variable based on questions 318m and RI009RE.

Cross-Referencing

1992-3 Respondent Mail Questionnaire: These questions were not asked.

1992-3 Respondent Telephone Interview: RI001RE, items RI002RE-RI009RE (Qs 314t, 316, 316f, 316m, 316s, 318, 318f)

1993-4 Sibling Mail Questionnaire: These questions were not asked.

Source

Weschler, D. (1981). *Wechsler Adult Intelligence Scale – Revised manual*. San Antonio, TX: The Psychological Corporation.

Selected Studies Using Cognition Items Scale

Hauser, R. M., Sheridan, J. T., & Warren, J. R. (1999). Socioeconomic achievements of siblings in the life course: New findings from the WLS. *Research on Aging*, 21(2), 338-378.

Krahn, D., Freese, J., Hauser, R. M., Barry, K., & Goodman, B. (2003). Alcohol use and cognition at mid-life: The importance of adjusting for baseline cognitive ability and educational attainment. *Alcoholism: Clinical & Experimental Research*, 27(7), 1162-1166.