

COMPUTER OPERATIONS REQUEST #437

May 13, 1993

Prepared for the London meeting of the MacArthur Research Network on Successful Midlife Development (MIDMAC).

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SUBJECT: Measurement of health, psychological well-being, and social responsibility outcomes and potential mediating processes in Whitehall II, the Wisconsin Longitudinal Study (WLS), and the National Survey of Families and Households (NSFH)

The MacArthur Research Network on Successful Midlife Development (MIDMAC) has been working closely with Whitehall II, the WLS, and the NSFH to track trajectories in health, psychological well-being, and social responsibility across middle adulthood. In addition, the Network is interested in better understanding differences in these outcomes by social class, gender, and race/ethnicity.

To aid in thinking about cross-survey comparisons, attached find a cross-tabulated overview of the measurement of health, psychological well-being, and social responsibility in these three surveys (PART I, 2 pages).

In addition, a cross-tabulation of measures that may be potential candidates for use in testing various hypotheses regarding social class differences in these outcomes is included (PART II, 8 pages). (Tabulation of NSFH is not complete and is not included here.)

I. WHITEHALL II

II. NSFH

III. WLS

	WH85	WH89	WH91	NSFH87	NSFH92	WLS75	WLS92
A. HEALTH							
Global	16	10	10,39,49	SE2:7	SE2:4	19,26c,52d	SA:1a-b
Compared to past			40 (1 yr)				SA:2a (10 yrs)
Long-term illnesses	17,18,25,27	11,16,18,14	11,17	27,32,33	C1a-C4a		883a-c,SA:10a
Heart trouble assessment	20-22	12,13,15	12-14				
Symptoms	19,26,28,36	17,19,20	15,18,19				SA:9A-9C
Work absence	30		16				
Sick days in bed							SA:4
Medications	32	22	20				
Hospitalization		23	21				SA:5
Menopausal symptoms	36		29				SA:15b
Functional			41,42,44,46,48	34,SE2:11,12	C30z-C35(55+)	19,26-26c,	SA:10b,11
limitations					SE2:5	47a,49,50,52d	
Pain			45				
Exhaustion			74		SE6:12a		S A : 9 a , 9 c
Premenstrual symptoms	37						
Health satisfaction	38						
B. PSYCHOLOGICAL							
WELL-BEING*							
Symptoms	19h	17h	15				SA:9a-9c
Functional limitations		43,44,48					
Zest, Energy			47a,e,g,i;75				SA:9a,9c
Depression/Distress/	181,80-109 (GHQ)	161,53-82 (GHQ)	47b,47c,47f	SE2:2a-1	SE2:6a-1 (CESD)		866f-872g(Clin)
Anxiety			87-116 (GHQ)	(CESD)	7-9 (MOS:Clinical)		SA:18a-t (CESD)
Irritability					SE2:6m-o,SE6:12b		S A : 1 8 u - w
Positive affect	74a-j (ABS)	50a-j (ABS)	47d,47h	SE2:1	SE2:1		
Life satisfaction	56,59y,59z,	41,43v,43w,49	71+72		SE2:2a-k	33 (job)	278s (job)
	72a-b,73						
		Purpose in Life	69		83g,83m		
Optimism			11;83h,k,l,n		SE2:10e		SA:18s
Esteem				SE13:59l,60e,60m	SE2:10a,f,i		
Efficacy	38,70,71	24	83a-f	SE13:59c	SE2:10b,c,f,h,j		
RYFF scales: Autonomy					SE2:17a-17h,		438s-492f,
Purpose in life					SE2:18a-18j		SA:19a-19pp
Environmental mastery					(3 items from each		(54 total items
Self-acceptance					of the 6 scales)		from 6 scales)
Positive relations w/others							
Personal growth							
Medications	32						
Role quality				SE2:3,4,5,6			

*NOTE: Some items in the CESD, GHQ and RYFF lists might also be used for measurement of esteem, efficacy, optimism, energy, etc.

I. WHITEHALL II

II. NSFH

III. WLS

	WH85	WH89	WH91	NSFH87	NSFH92	WLS75	WLS92
C. SOCIAL RESPONSIBILITY							
Work contribution to general welfare			63				
Nonroutine caregiving	79d		78	27, 32-34, 37-43	C40-C63c		894-902
Organizational involvement	66	48a-b	81	SE2:17a-o	SE18:7a-7d	87a-q	SA:28a-r
Social support given to friends and family				SE2:18, 23	SE18:8a-8d**		SA:23
Attitudes toward responsibility to others				SE13:59d, g, k	SE2:10d, SE18:1d,		
Volunteer work	65			Se13:60a, g	1g, 5c, 5f, 9c, 9d	421	
Voting						136	

**Additional questions using these same categories of giving are asked in the personal interview regarding adult children, parents, and parents-in-law on an individual basis.

I. WHITEHALL II

III. WLS

WH85 Ages 35-55		WH89 Ages 39-59	WH91 Ages 41-61	WLS57 Age 18	WLS64 Age 25	WLS75 & 77 (SIBS) Age 36	WLS92 A g e	5	3
A. CHILDHOOD AND ADOLESCENT ANTECEDENTS									
<u>Starting Points</u>									
Birth cohort/Age	1a			SEXRSP					
Gender	1b			CMBRDX					
Education	5a-b			HSGRAD	284-387	828-994	3a-24		
Nationality	exam						524-525		
Family religion					526-527				
HS characteristics				197-201					
<u>Parent & Family Characteristics</u>									
Father's education	12a			EDFA57Q					
Father's occupation	12b-g			OCF57					
Father death (if, when)	12h-j	7a-b	7				146s		
Father's cause of death	12k	7c							
Mother's education	13a			EDM057Q					
Mother's occupation						502-519 (57)			
Mother death (if, when)	13b-d	8a-b	8				142		
Mother's cause of death	13e	8c							
Parental heritable diseases	14								
Parental income				226-253		520-523 (57)			
Perceived family econ. status					SESP57				
Intact family growing up						473			
Have siblings	15	9a	4a-b						
Number of siblings			4a-b			522-561			
Birth order & sib chars.						562-647			
Sibling heritable diseases	15a-e	9b-f			648-700				
Info. on selected sib from R (SELECTED SIB WLS77 DATA below)						648-700			
Near relatives w/ psychiatric disorders (incl. alcoholism)				9a-e					
	878f-878s (alcohol)								
PARENT DATA WLS57									
Aspiration for child's education				152-168					
Parental family wealth estimate					172				
Opinion of value of college				173-185					
<u>Adolescent Experiences/Resources</u>									
HS Grade Percentile Rank				HSRANKQ					
Course sequence in HS				130-140					
Educ/job aspirations/plans in HS					101-111, 210-215	701-761			
Best friends in senior class (data on friends in dataset)							786-807		
Teacher & parental influence in HS					112-115	762-765			
College perceptions/plans				120-129					
Interest in HS & military plans					146-147				
Perception of need for & parental support for college									
Teacher evaluation of R				202-209					
Significant others' influence (parents, teachers, friends, military & marriage)				TCHEVL					
HS characteristics				216-225					
				197-201					
<u>Other Early Adulthood Experiences</u>									
Occup. history	2b, 3				254-262 (M), 389-400	1075-1116, 1790-2032			
Onset of smoking	41						SA:8-8d		
Military status/experience					388	995-1074			
Weight at age 25	29b								
History of contraceptive use	33b-c, 34a-b								

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III. WLS

WH85 Ages 35-55	WH89 Ages 39-59	WH91 Ages 41-61	WLS57 Age 18	WLS64 Age 25	WLS75 & 77 (SIBS) Age 36	WLS92 A g e	5 3
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I. WHITEHALL II

III. WLS

WH85
Ages 35-55WH89
Ages 39-59WH91
Ages 41-61WLS57
Age 18WLS64
Age 25WLS75 & 77 (SIBS)
Age 36WLS92
A g e 5 3

B. MIDLIFE RESOURCES AND STRESSES

Biomedical Factors

Health/biomedical measures	exam		exam			
Height	exam					SA:7
Weight	29a					SA:6
Contraceptive use	33a-33d		22a-d, 23a-c			
Menopause	35a-c		24a-c			SA:13a-16
Menopausal symptoms	36a-f		29a-g			SA:15a-15b
Hormone replacement therapy	35d-g		24d-g			SA:14a-d
Menstrual characteristics			26-28			
Premenstrual symptoms	37a-d		28a-f			

Health Habits

Smoking habits & history	39a-42c	25a-28d	30a-31d			SA:8-8e
Drinking habits	43a-45d	29a-31d	33, 34a-d			874-874s
MAST-alcoholism screen			35a-d			876-878a
Drinking change in 5 yrs	43b-d		33c-d			
Coffee & tea consumption	46a-c		36a-d			
Nutrition habits	47a-n	32a-e	37-38			
Nutrition habit change in 5 yrs			33a-b, 34			
Diet diaries	exam		exam			
Exercise habits	48a-f	35a-f	51a-f, 52, 53			SA:3a-b
Hours sleep (weekday)	31		73c			

Environmental Conditions

Exposure to smoke at work			32a			
Exposure to smoke at home			32b			
Job dangers/hazards						293-295
Use of visual display units	57a-f	42a-c	56a-c			
Job environment conditions & control			57a-f			
Hours worked per week in bldg.			58			

Perceived Stress

Physical exhaustion			74			SA:9Aa, c
Emotional exhaustion			75			SA:9Aa, c
End of workday stress	58f-i					
Stress of commuting			55			
Perceived stress (last 4 wks)			76			
Perceived stress affects health				77		
Life events: past 12 months, including, how upsetting?	75a-h	51a-h				
Perceived work/family conflict			84a-d, 85a-d			
					SA:22a-1	

Economic Factors

Income	file	file	file		2033-2070	594n-6A9b
Home ownership	8	4	5			814m
Car availability	11	6	6			818s
Other assets/wealth						814s-822f
Pensions						8 3 8 - 8 4 0 f
Health insurance						823-826s
Money short for food/clothes	79e	52b	86b			
Difficulty paying bills	79f	52c	86c			

Work Factors

Hours of work (weekday)			73a		1404-1405	266o
Occupation (grade)	2a	1a-c d263	1-d		1208-1351	
Midlife occupational changes	4a-4b				1117-1154	aa01-263b
Retirement grade, date, reason			1e			936m-952

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Retirement plans					934f-936		
Job chars: speed, intensity, time pressure, routinization	49a-j	36a-j 286m-292m	59a-j			1302-1320	
Job control	50a-j Job supervision 276,WL41-WL42	37a-h	60a-h,65	66		1321-1330	2 7 6 p - 2 7 6 m 1 3 2 8 - 1 3 3 1
Supervising others						WL40	
Job change/loss prospects			EOW3, 276q-WL40 67-69 298				
Problem solving style experienced at work	51a-j						
Work clarity & fairness	52a-g	38a-g	61a-c				
Job involvement & identity	53a-h	39a-h	62a-h				
Perceived contribution of job to society			63				
Social support at work	54a-f	40a-e	64a-d				
Daily commuting time			54				
Home/Family Life							
Household composition	9, 10a-i	5a-d					186s-Hg7
Hours with family (weekday)			73b				
Marital status	6	3	3a, c		401-403		
Marital history	7a-b		3b			1494-1504,1562-1574	34m-56b
Spouse							
Spouse education	7d					1507-1508	68t
Spouse employment status	7e					1513	
Spouse occupation	7f-k				263-271 (MALES)	1514-1532	76m-80x
Spouse health							76f,884m,SA:12
Sibship of spouse					404-412 (FEMALES)	1533-1538	
Spouse from intact family						1539	
Spouse parents' SES chars.						1540-1561	
Marital power in decisions	79i						
Similarity & closeness to spouse							76h-76i
Spouse & close persons' support, nonsupport & worries	59a-o	43a-o					
Children							
Number of own children & fertility history	10f-h(by age)	5d	4c			1644-1731	92m-124g
All child chars.							126g-138a
Selected child chars.						1752-1789	321b-342b
Contact & closeness w/ selected child							346m-350m
Children turning out ok	79						
Children socially adjusted	79b						
Parents/Parents-in-law							
Parent/in-law health							142f,148,158s,162s
Contact & closeness w/parents							466f-476f
Parental income							538m-584m
Inheritance & other intertransfers to/from parents & children							640-701b
Other Social Relationships							
Social support given/received							24a-25d
Perceived available social support			83n				SA:28a-c
Characteristics of closest							
network persons	59q-x	43p-u					
Contact & closeness w/ selected HS friend							
Confidants	60a						460-462f
Freq. kin worries/problems	79c	52a	86a				SA:26-27
Frequency of being hugged	60b						

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III. WLS

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SELECTED SIBLING DATA WLS77									
IQ (Henmon-Nelson Test)						XX			
Education						XX			
Occupational history						XX			
Current job chars.						XX			
Income	4031-4c6								
Marital history						XX			
Fertility history						XX			
Social participation						XX			
(SIB DATA in 1992 will basically include similar quex to R DATA)								X	X
<u>Neighborhood/Community Factors</u>									
Neighborhood									
Residential characteristics (pop., rural/urban, proximity to college)					187-190	272-283	429-272		
Problems with housing	79g	52d	86d						
Problems with neighborhood	79h	52e	86e						
Voluntary organizations/activities									
Hobbies	68a-b								
Religious preference						528-529	448s		
Freq. attend religious serv.	64	47				530-531	452f		
Freq. volunteer work	65								
Organizational participation	66a-b	48a-b	81a-b			2091-2115	SA:29a-r		
C. PSYCHOSOCIAL MANAGEMENT RESOURCES									
<u>Relatively Enduring Characteristics (psychological)</u>									
Cognition			exam						
IQ (Henmon Nelson test)				IQHNQ					
Abstract reasoning (WAIS)							314t-318m		
Personality: NEO-AC							SA:17a-cc		
Temperament/personality		70a-f							
Depressive (history)						866f-872f			
Type A	58a-1								
Hostility									
Distrust/paranoia/hostility	110:1-38				SA:18u-w				
Sensitivity to sensations			50a-d						
<u>Life Management Strategies</u>									
Goal Orientations									
Tenacious goal pursuit/ flexible goal adjustment (Brandtstadter scales)							SA:20a-j		
Midlife aspirations for 10 yrs hence						1451-1473	934f		
Centrality/Importance Management									
Importance of life domains			71a-f				412-414f		
Rated importance of job chars.	301a-302c, SA:23a-j						1 3 5 2 - 1 3 6 6		
Perceived relative job quality	300f								

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Life Evaluations									
Perceived success in life domains						416s-418f			
Satisfaction with life domains				72a-h					
Satisfaction with job	56a-h	41				1387-1402	278s		
Satisfaction with health	38a								
Satisfaction with personal relationships	59y	43v							
Satisfaction with leisure	59z	43w							
Satisfaction w/standard of living	72a	49							
Satisfaction w/accommodation	72b								
Satisfaction w/life	73a-e								
Coping Characteristics									
Coping style (boss conflict)	55a-n								
Sense of optimism			83h						
Sense of meaning in life	69		83m				SA:19 (Ryff)		
Sense of direction and purpose				83g					
SA:19 (Ryff)									
Sense of Control/Mastery									
Sense of lack of control in past				83j					
Sense of lack of control in future			83l						
Perceived control at home			83a						
Perceived control at work			83b						
Perceived global control			83f						
Perceived cancer control			83e						
Perceived control over MI	38b	24	83d						
Perceived health control			83c						
Sense of mastery:difficulties		70		83k					
Sense of mastery:personal life		71							
SA:19 (Ryff)									
Beliefs/Images									
Perceived age enter middle age				82					
Perceived age leave middle age			82b						
Social Comparisons									
Sense of unfair treatment			83i						
Social comparisons w/parents:									
education, work, finances							484-484s		
Social comparison w/selected									
child:educ, work, finances							358m-361		
Social comparison w/selected									
sib:educ, work, finances							424s-426t		
Social comparison w/selected									
HS friend: ed,work,finances									
			462m-464						