



## World Database of Happiness

### Correlational Findings

© on data collected: Ruut Veenhoven, Erasmus University Rotterdam

# Findings on Happiness & PSYCHO-SOMATIC COMPLAINTS

Correlate Code: P 13

## Classification of Findings

<i>Correlate Code</i>	<i>Correlate Name</i>	<i>Number of Studies on this Subject</i>
P 13	PSYCHO-SOMATIC COMPLAINTS	0
P 13.1	Psycho-somatic career	0
P 13.1.1	Earlier psycho-somatic complaints	4
P 13.1.2	Change in psycho-somatic complaints	0
P 13.1.3	History of current complaints	0
P 13.1.4	Later psycho-somatic complaints	3
P 13.2	Current psycho-somatic complaints	30
P 13.2.1	Current physical complaints	2
P 13.2.2	Current mental complaints	14
P 13.3	Attitudes to psycho-somatic complaints	0

- Appendix 1: Happiness queries used
- Appendix 2: Statistics used
- Appendix 3: About the World Database of Happiness
- Appendix 4: Further Findings in the World Database of Happiness
- Appendix 5: Related Topics

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World Database of Happiness. Internet: [www.eur.nl/fsw/research/happiness](http://www.eur.nl/fsw/research/happiness)  
Erasmus University Rotterdam, 2003, Netherlands

<b>Study</b>	<b>BACHM 1978*</b>	<i>Page in Report:</i>
<i>Reported in:</i>	Bachman, J. G., O'Malley, P. M., Johnston, J. Youth in transition, vol. VI: Adolescence to adulthood, change and stability in the Institute for Social Research, University of Michigan, Ann Arbor, Michigan, 1978	
<i>Population:</i>	Public highschool boys followed 8 years from grade 10, USA, 1966-74	
<i>Sample:</i>		
<i>Non-Response:</i>	2.8% at T1, 17.2% at T2, 21.0% at T3, 28.9% at T4, 28.5% at T5	
<i>N:</i>	t1 - T5: 2213/1886/1799/ 1620/1628	

### Measured Correlate

<i>Class:</i>	Earlier psycho-somatic complaints Code: P 13.1.1
<i>Measurement:</i>	Mean based on an 18-item checklist of physical complaints, including such questions as: "Have you ever had spells of dizziness?", "Are you ever bothered by nightmares?" Scale: 1.00 = never to 5.00 = always. Assessed at T1, T2, T3, and T4
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HP/g/mq/v/5/a	tau=- p<.001	
		Somatic symptoms
		Happiness T1 T2 T3 T4
		T1 _ = -.33 -.26 -.22 -.21
		T2 _ = -.28 -.35 -.27 -.26
		T3 _ = -.22 -.31 -.40 -.30
		T4 _ = -.24 -.28 -.30 -.36
		All _ significant (p < .001)
		T1: 1966, T2: 1968, T3: 1969, T4: 1970

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<b>Study</b>	<b>COSTA 1980/2</b>	<i>Page in Report:</i>	675
<i>Reported in:</i>	Costa, P.T. & McCrae, R.R. Influence of extraversion and neuroticism on subjective well-being: happy and Journal of Personality and Social Psychology, vol. 38: 4, 1980, pp. 668-678		
<i>Population:</i>	25-75 aged white males (largely veterans), followed 10 years, USA, 1965-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	234		

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**Measured Correlate**

<i>Class:</i>	Earlier psycho-somatic complaints Code: P 13.1.1
<i>Measurement:</i>	Cattell (1973) Sixteen Personality Factor Questionnaire Assessed at T1 (10 years ago)
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

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**Observed Relation with Happiness**

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-BB/cy/mq/v/2/a	r=-.30 p<.001	Hedonic level assessed at T2 NAS: r = +.39 (001) PAS: r = -.08 ns

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<b>Study</b>	<b>COSTA 1981</b>	<i>Page in Report:</i>
<i>Reported in:</i>	Costa, P.T., McCrae, R.R. & Morris, A.H. Personal adjustment to aging: Longitudinal prediction from neuroticism and Journal of Gerontology, vol.36(1981), p.78-85	
<i>Population:</i>	17-97 aged males, visitors of the Gerontology Research Centre, followed $\pm$ 10 years Baltimore, USA. 1958-70	
<i>Sample:</i>		
<i>Non-Response:</i>	Attrition 79% at T3, mostly among psychologically least adjusted	
<i>N:</i>	557 at T1, 423 at T2, 117 at T3	

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### Measured Correlate

<i>Class:</i>	Earlier psycho-somatic complaints Code: P 13.1.1
<i>Measurement:</i>	Factor-score derived from Guilford/ Zimmerman Temperament Survey (GZTS), labeled 'Emotional Health' in Guilford et al 1976. High loadings on: emotional stability, objectivity, friendliness and personal relationships.
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
C-A/h/sq/v/3/a	r= p<.s	T1 neuroticism by T1 happiness: - Young(18-49): r= -.17 (.001) - Old (50-97): r= -.15 (.01)
	r=-.19 p<.01	T1 neuroticism by T2 happiness (2-10 yrs later)
	r=-.11 ns	T1 neuroticism by T3 happiness (10-17 yrs later)

<b>Study</b>	<b>ORMEL 1980</b>	<i>Page in Report:</i>	350,250,60
<i>Reported in:</i>	Ormel,H. Moeite met leven of een moeilijk leven (Difficulty in living or a difficult life) Dissertation 1980, University of Groningen, the Netherlands, publisher: Konstapel, Groningen, the Netherlands.		
<i>Population:</i>	15-60 aged, general public, followed 12 month, The Netherlands, 1967-77		
<i>Sample:</i>			
<i>Non-Response:</i>	18%		
<i>N:</i>	296		

### Measured Correlate

*Class:* Earlier psycho-somatic complaints Code: P 13.1.1

*Measurement:* 14-item additive index about occurrence of neurotic symptoms.  
0: 'not often', 1: 'often' or no answer.  
Typical items are:  
- Do you sometimes feel very unhappy without knowing why?  
- Are you dizzy sometimes?  
- Do your troubles often prevent you from falling asleep?  
- Do you sometimes have the feeling that your life is senseless?  
Assessed at T1(1970)

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-BB/cw/mq/v/4/c	r=-.40 p<.01	T2 happiness by T1 neuroticis m
	r=-.44 p<.01	T3 happiness by T1 neuroticis m.
	$\beta$ L=-.24	T2 happiness by T1 neuroticis m. $\beta$ L path coefficient in a LISREL model, also involving self-esteem, internal control, intimacy with partner, adequacy of coping, self- and externally induced burdens .
	$\beta$ L=-.36	T3 happiness bij T1 neuroticis m. $\beta$ L path coefficient in a LISREL model, also involving self-esteem, internal control, intimacy with partner, quality of life and adequacy of coping.

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$\beta_L = -.32$   $p < .01$  T2 happiness by T1 neuroticism.  
 $\beta_L$  path coefficient in a LISREL model, also involving self-esteem, internal control, unhappy childhood and traumatic childhood experiences.

Study	BACHM 1978	Page in Report:
<i>Reported in:</i>	Bachman, J. G., O'Malley, P. M., Johnston, J. Youth in transition, vol. VI: Adolescence to adulthood, change and stability in the lives Institute for Social Research, University of Michigan, Ann Arbor, Michigan, 1978	
<i>Population:</i>	Public highschool boys followed 8 years from grade 10, USA, 1966-74	
<i>Sample:</i>		
<i>Non-Response:</i>	2.8% at T1, 17.2% at T2, 21.0% at T3, 28.9% at T4, 28.5% at T5	
<i>N:</i>	T1 - T5: 2213/1886/1799/ 1620/1628	

### Measured Correlate

<i>Class:</i>	Later psycho-somatic complaints Code: P 13.1.4
<i>Measurement:</i>	Mean based on an 18-item checklist of physical complaints, including such questions as: "Have you ever had spells of dizziness?", "Are you ever bothered by nightmares?" Scale: 1.00 = never to 5.00 = always. Assessed at T1, T2, T3 and T4
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-HP/g/mq/v/5/a	tau=- p<.001	Somatic symptoms
		Happiness
		T1 T2 T3 T4
		T1 = -.33 -.26 -.22 -.21
		T2 = -.28 -.35 -.27 -.26
		T3 = -.22 -.31 -.40 -.30
		T4 = -.24 -.28 -.30 -.36
		All _ significant (001)
		T1: 1966, T2: 1968, T3: 1969, T4: 1970

<b>Study</b>	<b>BRENN 1979</b>	<i>Page in Report:</i>	740-742
<i>Reported in:</i>	Brenner, B. Depressed affect as a cause of associated somatic problems. Psychological Medicine, 1979, vol.9, p. 737-746.		
<i>Population:</i>	18+ aged, general public, Washington County, USA, 1973		
<i>Sample:</i>			
<i>Non-Response:</i>	Non-response: 23% Not selected for follow up: 36% Dropout: ±23 %		
<i>N:</i>	1755		

### Measured Correlate

*Class:* Later psycho-somatic complaints Code: P 13.1.4

*Measurement:* Three-item index:  
 1. 'I felt that everything I did was an effort.'  
 2. 'I did not feel like eating; my appetite was poor.'  
 3. 'My sleep was restless.'  
 Subjects were asked for each item to indicate how often they felt this way during the past week; 1: rarely or none of the time, 2: some or a little of the time, 3: occasionally or a moderate amount of time, 4: most or all of the time.  
 These categories were recoded in: rarely experiencing depressed affect (1), occasionally experiencing depressed affect (2+3), frequently experiencing depressed affect (4).  
 Items are drawn from the 20-item CES-D scale of depressive symptomatology (Comstock & Helmsing, 1976; Radloff, 1977).

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-BBr/cw/mq/v/4/b	G=-.32 p<.001	Synchronic correlation at T1.
	Gs=-.06 ns	Synchronic correlation at T1 controlled for happiness (AFF 2. 2a).

<b>Study</b>	<b>MCCRA 1990</b>	<i>Page in Report:</i>	23/24
<i>Reported in:</i>	McCrae, R.R. & Costa jr, P.T. Adding Liebe und Arbeit. The full five factor model and Well-being Personality and Social Psychology Bulletin, vol.? (1990)p.?		
<i>Population:</i>	Single males and couples followed 7 years, Baltimore, USA, 1979-86		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	429		

### Measured Correlate

*Class:* Later psycho-somatic complaints Code: P 13.1.4

*Measurement:* Index of closed questions answered by Ss and spouse. NEO Personality Inventory (Costa ea 1985). Typical characteristics of high scores are:  
-worrying, nervous, emotional  
-inadequate, insecure  
-hypochondriacal  
Assessed at T1(1979), T2(1981) and T3(1986)

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-BB/cm/mq/v/2/a	r=-.33 p<.01	T1 happiness (ABS) by T3 self-rated neuroticism
	r=-.37 p<.01	T2 happiness (ABS) by T3 self-rated neuroticism
	r=-.44 p<.01	T1 happiness (ABS) by T3 spouse-rated neuroticism
	r=-.33 p<.01	T2 happiness (ABS) by T3 spouse-rated neuroticism
O-DT/u/sq/v/7/a	r=-.27 p<.01	T1 happiness (LS) by T3 self-rated neuroticism
	r=-.32 p<.01	T2 happiness (LS) by T3 self-rated neuroticism
	r=-.37 p<.01	T1 happiness (LS) by T3 spouse-rated neuroticism
	r=-.38 p<.01	T2 happiness (LS) by T3 spouse-rated neuroticism

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<b>Study</b>	<b>ALLAR 1973/1</b>	<i>Page in Report:</i>
<i>Reported in:</i>	Allardt, E. About dimensions of welfare: an explanatory analysis of a comparative Research Reports, no.1, 1973; research group for comparative sociology, University of Helsinki.	
<i>Population:</i>	15-64 aged, general public, Denmark, 1972	
<i>Sample:</i>		
<i>Non-Response:</i>		
<i>N:</i>	1000	

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### Measured Correlate

<i>Class:</i>	Current psycho-somatic complaints Code: P 13.2
<i>Measurement:</i>	10 questions on psychosomatic diseases; answer categories: 1=yes, 2=no, 3=can't say, no information
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/4/a	rpc=-.30	Controlled for: Income, housing density, education, social status, chronic illness, frequency of meetings with relatives, number of friends, opportunities to make personal contacts, possibilities to decide on matters concerning one's own personal life, number of memberships in clubs and communities, interesting life, easyness of life, loneliness, feelings of being liked, feeling of being able to use knowledge and skills, feeling of chance to succeed, gets sufficient attention, satisfaction with income, age, gender, no. of communities in which lived.

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<b>Study</b>	<b>ALLAR 1973/2</b>	<i>Page in Report:</i>
<i>Reported in:</i>	Allardt, E. About dimensions of welfare: an explanatory analysis of a comparative Research Reports, no.1, 1973; research group for comparative sociology, University of Helsinki.	
<i>Population:</i>	15-64 aged, general public, Finland, 1972	
<i>Sample:</i>		
<i>Non-Response:</i>		
<i>N:</i>	1000	

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### Measured Correlate

<i>Class:</i>	Current psycho-somatic complaints Code: P 13.2
<i>Measurement:</i>	10 questions on psychosomatic diseases; answer categories: 1=yes, 2=no, 3=can't say, no information
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/4/a	rpc=-.35	Controlled for: Income, housing density, education, social status, chronic illness, frequency of meetings with relatives, number of friends, opportunities to make personal contacts, possibilities to decide on matters concerning one's own personal life, number of memberships in clubs and communities, interesting life, easyness of life, loneliness, feelings of being liked, feeling of being able to use knowledge and skills, feeling of chance to succeed, gets sufficient attention, satisfaction with income, age, gender, no. of communities in which lived.

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<b>Study</b>	<b>ALLAR 1973/3</b>	<i>Page in Report:</i>
<i>Reported in:</i>	Allardt, E. About dimensions of welfare: an explanatory analysis of a comparative Research Reports, no.1, 1973; research group for comparative sociology, University of Helsinki.	
<i>Population:</i>	15-64 aged, general public, Norway, 1972	
<i>Sample:</i>		
<i>Non-Response:</i>		
<i>N:</i>	1000	

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### Measured Correlate

<i>Class:</i>	Current psycho-somatic complaints Code: P 13.2
<i>Measurement:</i>	10 questions on psychosomatic diseases; answer categories: 1=yes, 2=no, 3=can't say, no information
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/4/a	rpc=-.27	Controlled for: Income, housing density, education, social status, chronic illness, frequency of meetings with relatives, number of friends, opportunities to make personal contacts, possibilities to decide on matters concerning one's own personal life, number of memberships in clubs and communities, interesting life, easyness of life, loneliness, feelings of being liked, feeling of being able to use knowledge and skills, feeling of chance to succeed, gets sufficient attention, satisfaction with income, age, gender, no. of communities in which lived.

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<b>Study</b>	<b>ALLAR 1973/4</b>	<i>Page in Report:</i>
<i>Reported in:</i>	Allardt, E. About dimensions of welfare: an explanatory analysis of a comparative Research Reports, no.1, 1973; research group for comparative sociology, University of Helsinki.	
<i>Population:</i>	15-64 aged, general public, Sweden, 1972	
<i>Sample:</i>		
<i>Non-Response:</i>		
<i>N:</i>	1000	

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### Measured Correlate

<i>Class:</i>	Current psycho-somatic complaints Code: P 13.2
<i>Measurement:</i>	10 questions on psychosomatic diseases; answer categories: 1=yes, 2=no, 3=can't say, no information
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/4/a	rpc=-.25	Controlled for: Income, housing density, education, social status, chronic illness, freq. of meetings with relatives, no. of friends, opportunities to make personal contacts, no. of memberships in clubs and associations, possibilities to decide on matters concerning one's own personal life, interesting life, easyness of life, loneliness, gets sufficient attention, feeling of being liked, feeling of chance to succeed, feeling of being able to use knowledge and skills, satisfaction with income, age, gender, no. of communities in which lived.

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<b>Study</b>	<b>BACHM 1970</b>	<i>Page in Report:</i>	122
<i>Reported in:</i>	Bachman, J.G./Kahn, R.L./Mednick, M./Davidson, T.N. Youth in transition. Vol.II: The impact of family background on intelligence in 10th- Ann Arbor, Michigan, 1970, Institute for Social Research.		
<i>Population:</i>	Public highschool boys followed 3 years from grade 10, USA, 1966-69		
<i>Sample:</i>			
<i>Non-Response:</i>	2.8% incomplete information in 1966		
<i>N:</i>	T1:2213, T2: 1886, T3: 1799		

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### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* 18-item checklist of physical complaints containing nervousness, headaches, loss of appetite, upset stomach, trouble getting out of bed, work affected by ill health, shortness of breath, hard heart beating, dizziness, nightmares, losing weight, trembling hands, sweating hands, troubles to get going, bad health, having a cold, trouble falling asleep, absent from school because of illness (adapted from Gurin et al., 1960).

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HP/g/mq/v/5/a	r=-.28 p<.001	Both variables assessed at T1.

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<b>Study</b>	<b>BAKKE 1974</b>	<i>Page in Report:</i>	28
<i>Reported in:</i>	Bakker, P. & Berg, N. van de Determinants and correlates of happiness. Unpublished thesis, 1974, Erasmus University Rotterdam, The Netherlands.		
<i>Population:</i>	20-65 aged, general public, The Netherlands, 1968		
<i>Sample:</i>			
<i>Non-Response:</i>	34% refusal and unattainable.		
<i>N:</i>	1552		

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### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* 88-item inventory containing symptoms indicative of both physical bad health, and psycho-somatic and social problems.

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HP/g/sq/ol/7/a	G=-.41 p<.05	Unaffected by age and sex. Lowest among medium S. E. S. and strongest among lower S. E. S. Stronger among lower educated.

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<b>Study</b>	<b>BRADB 1965/1</b>	<i>Page in Report:</i>	29
<i>Reported in:</i>	Bradburn, N.M. & Caplovitz D. Reports on happiness Aldine Publishing Company, 1965, Chicago USA		
<i>Population:</i>	Adult, general public, 4 towns, varying in economic prosperity, Illinois, USA, 1962		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	2006		

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### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* 6-item index of closed questions on dizziness, general aches and pains, headaches, muscle twitches, nervousness, and rapid heart beat; during last week.  
(items from Stouffer et al. 1949)

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-BB/cw/mq/v/4/e	G= - p<.	Index of Positive Affects: G' = +.02 (ns) Index of Negative Affects: G' = +.53 (01)
O-HL/c/sq/v/3/aa	G=-.33 p<.01	

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<b>Study</b>	<b>HAAVI 1971</b>	<i>Page in Report:</i>	590
<i>Reported in:</i>	Haavio-Mannila, E. Satisfaction with family, work, leisure and life among men and women. Human Relations, 1971, vol.24, p.585-601		
<i>Population:</i>	15-64 aged, general public, Finland, 1966		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	948		

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### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Question on anxiousness about things, using a symptoms list, including nervousness, headache, insomnia, excessive appetite, nightmares, loneliness, chest pains, bad appetite, or trembling hands.

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLW/?/sq/v/3/b	r=-	unmarried employed males : r = -.22 (ns) unmarried employed females : r = -.29 (05) married employed males : r = -.18 (05) married employed females : r = -.10 (ns) married non-employed females: r = +.07 (ns)

**Study** **MELEI 1982** *Page in Report:*

*Reported in:* Meleis, A.I.  
Effects of modernization on Kuwaiti women  
Soc.Sci.Med., Vol 16, 1982, 965-970

*Population:* 17-40 aged females, Kuwait, 1982

*Sample:*

*Non-Response:*

*N:* 248

**Measured Correlate**

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:*

*Measured Values:*

*Error Estimates:*

*Remarks:*

**Observed Relation with Happiness**

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H?/?/0q/?/0/a	r=-.50 p<.001	
	r=-.50	
	tb=-.11 p<.02	

<b>Study</b>	<b>MOSER 1969</b>	<i>Page in Report:</i>	36
<i>Reported in:</i>	Moser - Peters, C.M.J. Backgrounds of happiness feelings. (In Dutch: Achtergronden van geluksgevoel). Nederlands Instituut voor Preventieve Geneeskunde (NIPG/TNO)1969, Leiden, The Netherlands.		
<i>Population:</i>	Adult, general public, Utrecht, city, The Netherlands, 1967		
<i>Sample:</i>			
<i>Non-Response:</i>	14% unattainable etc.		
<i>N:</i>	300		

### Measured Correlate

<i>Class:</i>	Current psycho-somatic complaints Code: P 13.2
<i>Measurement:</i>	21-item index of psycho-somatic complaints (VOEG scale; see Dirken, 1967) no complaints / some complaints / a lot of complaints.
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/5/c	G=-.10 ns DM=- p<.05	U-shaped curve: Ss with some complaints being most happy.

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<b>Study</b>	<b>MOSER 1969</b>	<i>Page in Report:</i>	37
<i>Reported in:</i>	Moser - Peters, C.M.J. Backgrounds of happiness feelings. (In Dutch: Achtergronden van geluksgevoel). Nederlands Instituut voor Preventieve Geneeskunde (NIPG/TNO)1969, Leiden, The Netherlands.		
<i>Population:</i>	Adult, general public, Utrecht, city, The Netherlands, 1967		
<i>Sample:</i>			
<i>Non-Response:</i>	14% unattainable etc.		
<i>N:</i>	300		

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### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Direct question: Have you taken 'something against the nerves' during the last 14 days? Nothing vs swallowed something.

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/5/c	G=-.41 p<.01	

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<b>Study</b>	<b>NEUBE 1978</b>	<i>Page in Report:</i>	147
<i>Reported in:</i>	Neuberger, O. & Allerbeck, M. Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work- Verlag Hans Huber, 1978, Bern, Switzerland)		
<i>Population:</i>	Employees, glass-reparing industry, West-Germany, 1976		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	106		

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### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Index of direct questions about:  
Psychosomatic complaints, respectively the amount in which bodily  
symptoms are consciously registered.  
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger  
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLS/c/sq/f/7/a	r=-.28 p<.05	

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<b>Study</b>	<b>NEUBE 1978</b>	<i>Page in Report:</i>	147
<i>Reported in:</i>	Neuberger, O. & Allerbeck, M. Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work- Verlag Hans Huber, 1978, Bern, Switzerland)		
<i>Population:</i>	Employees, glass-reparing industry, West-Germany, 1976		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	106		

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### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Index of direct questions about:  
Psychosomatic complaints, respectively the amount in which bodily  
symptoms are consciously registered.  
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger  
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLS/c/sq/f/7/a	r=-.28 p<.05	

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<b>Study</b>	<b>NEUBE 1978/2</b>	<i>Page in Report:</i>	147
<i>Reported in:</i>	Neuberger, O. & Allerbeck, M. Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work- Verlag Hans Huber, 1978, Bern, Switzerland		
<i>Population:</i>	Employees, commercial and textile-manufacturing occupations, West-Germany, 1977		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	110		

---

### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Index of direct questions about:  
Psychosomatic complaints, respectively the amount in which bodily  
symptoms are consciously registered.  
Part of 114 item Freiburger Persönlichkeits Inventar (Freiburger  
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLS/c/sq/f/7/a	r=	ns

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<b>Study</b>	<b>NEUBE 1978/2</b>	<i>Page in Report:</i>	147
<i>Reported in:</i>	Neuberger, O. & Allerbeck, M. Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work- Verlag Hans Huber, 1978, Bern, Switzerland)		
<i>Population:</i>	Employees, commercial and textile-manufacturing occupations, West-Germany, 1977		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	110		

---

### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Index of direct questions about:  
Psychosomatic complaints, respectively the amount in which bodily  
symptoms are consciously registered.  
Part of 114 item Freiburger Persönlichkeits Inventar (Freiburger  
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLS/c/sq/f/7/a	r= ns	

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<b>Study</b>	<b>NEUBE 1978/3</b>	<i>Page in Report:</i>	147
<i>Reported in:</i>	Neuberger, O. & Allerbeck, M. Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work- Verlag Hans Huber, 1978, Bern, Switzerland)		
<i>Population:</i>	Employees, metal-industry, West-Germany, 1977		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	84		

---

### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Index of direct questions about:  
Psychosomatic complaints, respectively the amount in which bodily  
symptoms are consciously registered.  
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger  
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLS/c/sq/f/7/a	r=	ns

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<b>Study</b>	<b>NEUBE 1978/3</b>	<i>Page in Report:</i>	147
<i>Reported in:</i>	Neuberger, O. & Allerbeck, M. Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work- Verlag Hans Huber, 1978, Bern, Switzerland)		
<i>Population:</i>	Employees, metal-industry, West-Germany, 1977		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	84		

---

### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Index of direct questions about:  
Psychosomatic complaints, respectively the amount in which bodily  
symptoms are consciously registered.  
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger  
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLS/c/sq/f/7/a	r=	ns

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<b>Study</b>	<b>NEUBE 1978/4</b>	<i>Page in Report:</i>	147
<i>Reported in:</i>	Neuberger, O. & Allerbeck, M. Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work- Verlag Hans Huber, 1978, Bern, Switzerland)		
<i>Population:</i>	Skilled labourers, West-Germany, 1976		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	55		

---

### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Index of direct questions about:  
Psychosomatic complaints, respectively the amount in which bodily  
symptoms are consciously registered.  
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger  
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLS/c/sq/f/7/a	r=-.34 p<.05	

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<b>Study</b>	<b>NEUBE 1978/4</b>	<i>Page in Report:</i>	147
<i>Reported in:</i>	Neuberger, O. & Allerbeck, M. Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work- Verlag Hans Huber, 1978, Bern, Switzerland)		
<i>Population:</i>	Skilled labourers, West-Germany, 1976		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	55		

---

### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Index of direct questions about:  
Psychosomatic complaints, respectively the amount in which bodily  
symptoms are consciously registered.  
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger  
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLS/c/sq/f/7/a	r=-.34 p<.05	

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<b>Study</b>	<b>NEUBE 1978/5</b>	<i>Page in Report:</i>	147
<i>Reported in:</i>	Neuberger, O. & Allerbeck, M. Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work- Verlag Hans Huber, 1978, Bern, Switzerland)		
<i>Population:</i>	Administrative employees, General Sickfund, West-Germany, 1976		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	60		

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### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Index of direct questions about:  
Psychosomatic complaints, respectively the amount in which bodily  
symptoms are consciously registered.  
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger  
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLS/c/sq/f/7/a	r= ns	

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<b>Study</b>	<b>NEUBE 1978/5</b>	<i>Page in Report:</i>	147
<i>Reported in:</i>	Neuberger, O. & Allerbeck, M. Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work- Verlag Hans Huber, 1978, Bern, Switzerland)		
<i>Population:</i>	Administrative employees, General Sickfund, West-Germany, 1976		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	60		

---

### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Index of direct questions about:  
Psychosomatic complaints, respectively the amount in which bodily  
symptoms are consciously registered.  
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger  
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLS/c/sq/f/7/a	r=	ns

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<b>Study</b>	<b>NEUBE 1978/7</b>	<i>Page in Report:</i>	147
<i>Reported in:</i>	Neuberger, O. & Allerbeck, M. Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work- Verlag Hans Huber, 1978, Bern, Switzerland)		
<i>Population:</i>	Employees, assembly-industry, West-Germany, 1976		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	111		

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### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Index of direct questions about:  
Psychosomatic complaints, respectively the amount in which bodily  
symptoms are consciously registered.  
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger  
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLS/c/sq/f/7/a	r=-.37 p<.01	

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<b>Study</b>	<b>NEUBE 1978/7</b>	<i>Page in Report:</i>	147
<i>Reported in:</i>	Neuberger, O. & Allerbeck, M. Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work- Verlag Hans Huber, 1978, Bern, Switzerland		
<i>Population:</i>	Employees, assembly-industry, West-Germany, 1976		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	111		

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### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Index of direct questions about:  
Psychosomatic complaints, respectively the amount in which bodily  
symptoms are consciously registered.  
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger  
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLS/c/sq/f/7/a	r=-.37 p<.01	

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<b>Study</b>	<b>NEUBE 1978/9</b>	<i>Page in Report:</i>	147
<i>Reported in:</i>	Neuberger, O. & Allerbeck, M. Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work- Verlag Hans Huber, 1978, Bern, Switzerland)		
<i>Population:</i>	Young female employees, cure-clinic, West Germany, 1976		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	150		

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### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Index of direct questions about:  
Psychosomatic complaints, respectively the amount in which bodily  
symptoms are consciously registered. Part of 114 item  
Freiburger Persönlichkeits-Inventar (Freiburger Personality  
Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLS/c/sq/f/7/a	r=-.23 p<.05	

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<b>Study</b>	<b>NEUBE 1978/9</b>	<i>Page in Report:</i>	147
<i>Reported in:</i>	Neuberger, O. & Allerbeck, M. Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work- Verlag Hans Huber, 1978, Bern, Switzerland)		
<i>Population:</i>	Young female employees, cure-clinic, West Germany, 1976		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	150		

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### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Index of direct questions about:  
Psychosomatic complaints, respectively the amount in which bodily  
symptoms are consciously registered. Part of 114  
item Freiburger Persönlichkeits-Inventar (Freiburger Personality  
Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLS/c/sq/f/7/a	r=-.23 p<.05	

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<b>Study</b>	<b>PAYNE 1974</b>	<i>Page in Report:</i>	17
<i>Reported in:</i>	Payne, R.L. N.M. Bradburn's measures of psychological well-being: an attempt at replication. Memo No: 61, MRC Social and Applied Psychology. Unit, Dpt.ofPsychology University of Sheffield, England, 1974.		
<i>Population:</i>	Employed males, supervising jobs, England, 197?		
<i>Sample:</i>			
<i>Non-Response:</i>	4% incomplete.		
<i>N:</i>	192		

---

### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* 13-item index of physical and psychological symptoms; e.g. dizziness, headaches, upset stomach, nervousness.

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-BB/cm/mq/v/5/a	G=-	Index of Positive Affects: G = +.02 Index of Negative Affects: G = +.13

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<b>Study</b>	<b>SCHUL 1985B</b>	<i>Page in Report:</i>	52,54,143
<i>Reported in:</i>	Schulz, W.; Költringer, R.; Norden, G.; Tüchler, H. Lebensqualität in Österreich (Quality-of-life in Austria) Research paper nr 10/1, Institut für Soziologie, University of Vienna, Austria 1985		
<i>Population:</i>	Adults, non-institutionalized, Austria, 1984		
<i>Sample:</i>			
<i>Non-Response:</i>	?		
<i>N:</i>	1776		

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### Measured Correlate

<i>Class:</i>	Current psycho-somatic complaints Code: P 13.2
<i>Measurement:</i>	Five item index of direct questions on psychosomatic diseases (ulserpains, headaches, heart beatings, sleeplessness, sweating). Answer categories yes/no.
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-QL?/c/mq/v/5/a	r=-.34 Beta=-.1 p<.05	β controlled for: gender, age, community size, education, professional status, marital status, income, body weight, healthy eating habits, weight control, alcohol consumption, physical fitness activity, illness and satisfaction with health.

<b>Study</b>	<b>VENTE 1995</b>	<i>Page in Report:</i>	202, 204
<i>Reported in:</i>	Ventegodt, S. Livskvalitet i Danmark.(Quality of Life in Denmark) Forskningscentrets Forlag (The Quality of Life Research Center), København, Denmark, ISBN 8790190017		
<i>Population:</i>	18-88 aged, general public, Denmark, 1993		
<i>Sample:</i>	Non-probability purposive sample (unspecified)		
<i>Non-Response:</i>	39%		
<i>N:</i>	1494		

### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Suffer a lot from these health problems:  
a: no severe inconvenience  
b: pain/discomfort shoulder/nape of neck  
c: pain/discomfort back/loin  
d: discomfort arms, legs, hip or joints  
e: headache  
f: palpitations  
g: nervousness, anxiety  
h: difficult sleeping or insomnia  
i: melancholy, depressed or unhappy  
j: tiredness  
k: stomach pain  
l: indigestion or diarrhoea/constipation  
m: eczema, rash itching  
n: cold, head cold or cough  
o: breathing difficulties  
p: discomfort or problems in the internal female sexual organs

*Measured Values:* N: 1:1021, b:104 c:114, d:87, e:61, f:20, g:39, h:37, i:40 j:101, k:36, l:38, m:40, n:55, o:38, p:13

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-AOL/m/sq/v/5/a	DMt=	a: Mt=8.20 b: Mt=6.59 c: Mt=6.63 d: Mt=6.46 e: Mt=6.51 f: Mt=5.00 g: Mt=4.30 h: Mt=4.86

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		i : Mt=3.44
		j : Mt=5.86
		k : Mt=5.21
		l : Mt=5.79
		m : Mt=6.89
		n : Mt=6.91
		o : Mt=5.26
		p : Mt=5.81
		All Mt=7.55
O-HL/c/sq/v/5/h	DMt=	a : Mt=7.18
		b : Mt=6.56
		c : Mt=6.30
		d : Mt=6.59
		e : Mt=6.39
		f : Mt=5.75
		g : Mt=4.55
		h : Mt=4.86
		i : Mt=3.44
		j : Mt=6.05
		k : Mt=5.86
		l : Mt=5.74
		m : Mt=6.38
		n : Mt=6.64
		o : Mt=6.35
		p : Mt=6.15
		All Mt=6.85
O-SLu/c/sq/v/5/e	DMt=	a : Mt=7.76
		b : Mt=6.68
		c : Mt=6.59
		d : Mt=6.63
		e : Mt=6.60
		f : Mt=6.00
		g : Mt=4.30
		h : Mt=4.93
		i : Mt=3.06
		j : Mt=5.90
		k : Mt=5.55
		l : Mt=5.46
		m : Mt=7.11
		n : Mt=7.13
		o : Mt=6.46
		p : Mt=5.78
		All Mt=7.29

<b>Study</b>	<b>VENTE 1995</b>	<i>Page in Report:</i>	224
<i>Reported in:</i>	Ventegodt, S. Livskvalitet i Danmark.(Quality of Life in Denmark) Forskningscentrets Forlag (The Quality of Life Research Center), København, Denmark, ISBN 8790190017		
<i>Population:</i>	18-88 aged, general public, Denmark, 1993		
<i>Sample:</i>	Non-probability purposive sample (unspecified)		
<i>Non-Response:</i>	39%		
<i>N:</i>	1494		

### Measured Correlate

<i>Class:</i>	Current psycho-somatic complaints Code: P 13.2
<i>Measurement:</i>	Single question: "Do you at present suffer from any of the following illnesses or disorders?" a: no illnesses/disorders b: nervous/mental disorders c: anorexia/bulimia d: mental depression
<i>Measured Values:</i>	N: a:367, b:70, c:8, d:12
<i>Error Estimates:</i>	
<i>Remarks:</i>	

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-AOL/m/sq/v/5/a	DMt=-	a: no illnesses/disorders Mt=8.18 b: nervous/mental disorders Mt=5.33 c: anorexia/bulimia Mt=5.31 d: mental depression Mt=4.79 All Mt=7.60
O-HL/c/sq/v/5/h	DMt=	a: no illnesses/disorders Mt=7.19 b: nervous/mental disorders Mt=5.18 c: anorexia/bulimia Mt=6.56 d: mental depression Mt=4.79 All Mt=6.80
O-SLu/c/sq/v/5/e	DMt=-	a: no illnesses/disorders Mt=7.78 b: nervous/mental disorders Mt=5.08 c: anorexia/bulimia Mt=5.00 d: mental depression Mt=4.16 All Mt=7.21

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<b>Study</b>	<b>VEROF 1962</b>	<i>Page in Report:</i>	196
<i>Reported in:</i>	Veroff, J., Feld, S. & Gurin, G. Dimensions of subjective adjustment. Journal of Abnormal and Social Psychology, 1962, vol. 64, p. 192 - 205.		
<i>Population:</i>	21+ aged, married, with children, USA, 1957		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	797		

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### Measured Correlate

*Class:* Current psycho-somatic complaints Code: P 13.2

*Measurement:* Summary score of 16 symptoms indicative of psychological and psychosomatic symptom complaints: (10 ranks) (adapted from McMillan, 1957).

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/u/sq/v/3/a	tb= -    p<. 01	Mal es : $\_b = -.24$ (01) Femal es : $\_b = -.18$ (01)

---

<b>Study</b>	<b>BEISE 1974</b>	<i>Page in Report:</i>	325
<i>Reported in:</i>	Beiser, M. Components and correlates of mental well-being Journal of Health and Social Behavior, 1974, vol. 15, p. 320-327		
<i>Population:</i>	18+ aged, general public, Stirling County, Canada, 1968		
<i>Sample:</i>			
<i>Non-Response:</i>	10%		
<i>N:</i>	112		

---

### Measured Correlate

*Class:* Current physical complaints Code: P 13.2.1

*Measurement:* Number of psycho-psychological disorders reported, e.g. psychophysiological gastrointestinal reaction, asthma, hypertension, etc.

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-BB/cq/mq/v/3/a	r= -	Index of Negative Affects: $r = +.37$ (01) Unrelated to Index of Positive Affects

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<b>Study</b>	<b>BRADB 1969</b>	<i>Page in Report:</i>
<i>Reported in:</i>	Bradburn, N.M. The structure of psychological well-being Aldine Publishing Company, 1969, Chicago, USA	
<i>Population:</i>	21-60 aged, general public, urban areas, USA, 1963 - 64	
<i>Sample:</i>		
<i>Non-Response:</i>	± 20%, Attrition ± 30%	
<i>N:</i>	2787	

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### Measured Correlate

<i>Class:</i>	Current physical complaints Code: P 13.2.1
<i>Measurement:</i>	55-item index of closed questions on general aches and pains, headaches, dizziness, rapid heart beat, and hands sweating and feeling damp and clammy; during the past few weeks (items from Stouffer et al., 1950).
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	Data T1. Not computed for summed ABS.

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-BB/cm/mq/v/2/a	G=-	Index of Positive Affects: - Males : G= +.00 - Females: G= -.02  Index of Negative Affects: - Males : G= +.47 - Females: G= +.45 - Stronger among those who are healthy than among those who are sick. - Unaffected by expecting a nervous breakdown.

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<b>Study</b>	<b>BACHM 1970</b>	<i>Page in Report:</i>	122
<i>Reported in:</i>	Bachman, J.G./Kahn, R.L./Mednick, M./Davidson, T.N. Youth in transition. Vol.II: The impact of family background on intelligence in 10th- Ann Arbor, Michigan, 1970, Institute for Social Research.		
<i>Population:</i>	Public highschool boys followed 3 years from grade 10, USA, 1966-69		
<i>Sample:</i>			
<i>Non-Response:</i>	2.8% incomplete information in 1966		
<i>N:</i>	T1:2213, T2: 1886, T3: 1799		

---

### Measured Correlate

*Class:* Current mental complaints Code: P 13.2.2

*Measurement:* 40-item index of closed questions on irritability (7 items), general anxiety (7 items), anxiety and tension (5 items), depression (6 items), anomie (8 items) and resentment (7 items).

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HP/g/mq/v/5/a	r=-.51 p<.001	Both variables assessed at T1.

---

<b>Study</b>	<b>BOELH 1999</b>	<i>Page in Report:</i>	62
<i>Reported in:</i>	Boelhouwer, J. & Stoop, I. Measuring Well-Being in the Netherlands Social Indicators Research, vol 48, 51-75, 1999		
<i>Population:</i>	18+ aged, general public, The Netherlands, 1974-1997		
<i>Sample:</i>	Probability sample (unspecified)		
<i>Non-Response:</i>			
<i>N:</i>	±3500 each year		

---

### Measured Correlate

*Class:* Current mental complaints Code: P 13.2.2

*Measurement:* Score for psychosomatic symptoms on a Dutch subjective health inventory (VOEG)  
1 Below average  
2 Above average

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HP/u/sq/v/5/a	r=-.25 p<.05	1993
	r=-.25 p<.05	1997

---

<b>Study</b>	<b>BRADB 1969</b>	<i>Page in Report:</i>
<i>Reported in:</i>	Bradburn, N.M. The structure of psychological well-being Aldine Publishing Company, 1969, Chicago, USA	
<i>Population:</i>	21-60 aged, general public, urban areas, USA, 1963 - 64	
<i>Sample:</i>		
<i>Non-Response:</i>	± 20%, Attrition ± 30%	
<i>N:</i>	2787	

---

### Measured Correlate

<i>Class:</i>	Current mental complaints Code: P 13.2.2
<i>Measurement:</i>	3-item index of closed questions on nervousness or tenseness during the last weeks, having trouble getting to sleep at night, and having enough energy to do the things one would like to do.
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	Data T1. Not computed for summed ABS.

---

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-BB/cm/mq/v/2/a	G=-	Index of Positive Affects: - Males : G= +.00 - Females: G= +.02 Data T1. Not computed for summed ABS.  Index of Negative Affects: - Males : G= +.47 - Females: G= +.45 - Stronger among those who are healthy than among those who are sick. - Unaffected by expecting a nervous breakdown.

---

<b>Study</b>	<b>BRENN 1970</b>	<i>Page in Report:</i>	71/272
<i>Reported in:</i>	Brenner, B. Social factors in mental well-being at adolescence. Doctoral dissertation, 1970, The American University, Washington D.C., USA		
<i>Population:</i>	Highschool pupils, New York State, USA, 1960		
<i>Sample:</i>			
<i>Non-Response:</i>	1%		
<i>N:</i>	5204		

---

### Measured Correlate

*Class:* Current mental complaints Code: P 13.2.2

*Measurement:* 10-item index of closed questions on sleeping problems, trembling hands, nervousness, heart beating hard, pressures or pains in head, biting fingernails, shortness of breath, sweating hands, sick headaches, nightmares (see Rosenberg, 1965).

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-AOL/g/sq/v/5/a	G=-.24	Females : G = -.32 Males : G = -.23
	V= .11 p<. 01	
O-HL/u/sq/v/4/b	G=-.28	After control for: - usual mood : Gs = -.21 - having fun in life : Gs = -.20 - frequency of low mood : Gs = -.18 - tending to be a discouraged person: Gs = -.20 - tending to be a lonely person : Gs = -.19  Females: G = -.35 Males : G = -.28

---

<b>Study</b>	<b>BRENN 1975B</b>	<i>Page in Report:</i>	352
<i>Reported in:</i>	Brenner, B. Enjoyment as a preventive of depressive affect. Journal of Community Psychology, 1975, vol.3, p.346-357.		
<i>Population:</i>	18+ aged, general public, county and big city, USA, 1972		
<i>Sample:</i>			
<i>Non-Response:</i>	19% in Washington, and 25% in Kansas City.		
<i>N:</i>	2168		

---

### Measured Correlate

<i>Class:</i>	Current mental complaints Code: P 13.2.2
<i>Measurement:</i>	3-item index of closed questions on problems with energy, appetite, and/or sleep during past week rarely/ occasionally/ most days.
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

---

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
M-TH/g/sq/v/5/b	G=-.43 p<.001	When controlled for depressive affect: Gs = -.31

Study	COVIN 1999	Page in Report:	438
<i>Reported in:</i>	Covinsky, K.E.; Wu,A.W.; Landefeld,C.S.; Connors Jr.,A.F. et al Health Status versus Quality of Life in Older Patients:Does the Distinction Matter? Am J Med. 1999; Vol. 106, 435-440		
<i>Population:</i>	80+ aged cognitively intact patients interviewed 2 months after hospitalization, 1994, USA		
<i>Sample:</i>	Non-probability purposive-expert sample		
<i>Non-Response:</i>	564		
<i>N:</i>	493		

### Measured Correlate

<i>Class:</i>	Current mental complaints Code: P 13.2.2
<i>Measurement:</i>	Self report on 14 questions about depression and anxiety during the prior week (McNair et al Moods Profile) Psychological distress scores were calculated by summing the profiles of mood states, depression and anxiety scales: 1=lowest tertile (least distressed) 2=middle tertile 3=highest tertile (most distressed)
<i>Measured Values:</i>	N: 1=151, 2=157, 3=154
<i>Error Estimates:</i>	
<i>Remarks:</i>	

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-QLS/c/sq/v/5/b	DM=-	1. M=3.28 SD=.95 2. M=2.96 SD=.90 3. M=2.42 SD=.98
	rs=-.38 p<.00	
	C=-.70	dichotomized global quality-of-life ratings "good or better" versus "fair or worse"
	OR=-.05	Chance to be happy 1: 3.2 2: 2.2 3: 1 (reference) Chance controlled for - physical capacity - independence in daily activities - pain

Study	FORTI 1983	Page in Report:
<i>Reported in:</i>	Th.J. Forti, M.S. Hyg A Documented Evaluation of Primary Prevention through Consultation Community Mental Health Journal, 1983, p 290-304	
<i>Population:</i>	Catholic nuns, re-organized cloister, followed 4 years, Louisiana, USA, 1977-1981	
<i>Sample:</i>		
<i>Non-Response:</i>	T1: 18%, T2: 14%, T3: 23%	
<i>N:</i>	T1: 146, T2: 154, T3: 137	

### Measured Correlate

*Class:* Current mental complaints Code: P 13.2.2

*Measurement:* Index of closed questions, rated on a 2-point scale, ranging from (0) True to (1) False. (order reversed)

1. No more nervous than most other people
2. Keyed up most of the time
3. Can't keep mind on one thing very long
4. Bothered by things not a bother to others
5. Worrying about something most of the time
6. Calm - don't get upset easily
7. Anxious about someone/something almost all of the time
8. Happy most of the time
9. Nervous some days - can't sit still very long
10. Hard time keeping mind on work/task
11. Don't worry about what other people think about me any more than most people
12. Take things hard (get hurt easily)
13. Life a strain much of the time
14. At times think I'm just no good at all
15. Lack faith in self
16. Feel useless at times
17. Things upset me easier than most people
18. So many problems feel couldn't handle
19. Feel about to go to pieces
20. Deny trouble/difficult problem

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-DT/u/sq/f/7/a	r=	T1: 1977      T2: 1979      T3: 1981
	1.	+ .03 (ns)      + .03 (ns)      + .32 (01)

---

2.	-. 18 (01)	-. 45 (01)	-. 40 (01)
3.	-. 02 (ns)	-. 02 (ns)	-. 06 (ns)
4.	-. 05 (ns)	-. 14 (05)	-. 14 (05)
5.	-. 26 (01)	-. 24 (01)	-. 34 (01)
6.	+. 20 (01)	+. 21 (01)	+. 35 (01)
7.	-. 10 (ns)	-. 23 (01)	-. 30 (01)
8.	+. 43 (01)	+. 35 (01)	+. 44 (01)
9.	-. 03 (ns)	+. 01 (ns)	-. 23 (01)
10.	-. 10 (ns)	-. 08 (ns)	-. 19 (01)
11.	+. 25 (01)	+. 16 (05)	+. 22 (01)
12.	-. 23 (01)	-. 18 (01)	-. 24 (01)
13.	-. 36 (01)	-. 37 (01)	-. 53 (01)
14.	-. 34 (01)	-. 16 (05)	-. 34 (01)
15.	-. 31 (01)	-. 35 (01)	-. 29 (01)
16.	-. 34 (01)	-. 17 (05)	-. 33 (01)
17.	-. 20 (01)	-. 20 (01)	-. 29 (01)
18.	-. 17 (05)	-. 23 (01)	-. 42 (01)
19.	-. 25 (01)	-. 12 (ns)	-. 24 (01)
20.	+. 02 (ns)	-. 09 (ns)	-. 05 (ns)

All variables assessed at T1, T2, and T3.  
Correlation concerns same time measures.

<b>Study</b>	<b>GEHMA 1987</b>	<i>Page in Report:</i>	151
<i>Reported in:</i>	Gehmacher, E. Gebaute Gemeinschaft (Built community: effects of architecture on social contacts Sozial Wissenschaftliche Rundschau (SWS) vol 27, 1987, page 147-156		
<i>Population:</i>	Residents housing estates, Vienna, Austria, 1987		
<i>Sample:</i>			
<i>Non-Response:</i>	?		
<i>N:</i>	218		

### Measured Correlate

<i>Class:</i>	Current mental complaints Code: P 13.2.2
<i>Measurement:</i>	Self report of nervous complaints: 1. every day very tense . . 6. never
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	$\beta$ controled for age, sex, postmaterialism, physical health, education, occupational status and satisfactions (with housing, leisure, social contacts and activities).

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
M-FH/cm/sq/v/5/a	r=+.23 Beta=+.1 p<.05	$\beta$ controled for age, sex, postmaterialism, physical health, education, occupational status and satisfactions (with housing, leisure, social contacts and activities).
O-SLL/c/sq/v/5/b	r=+.24 Beta=+.1 ns	

---

<b>Study</b>	<b>HARDE 1969</b>	<i>Page in Report:</i>	50
<i>Reported in:</i>	Harder, J.M. Self-actualization, mood, and personality adjustment in married women. Unpublished doctoral dissertation, 1969, Teachers College, Columbia University, USA		
<i>Population:</i>	Married females, USA, 196?		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	62		

---

### Measured Correlate

*Class:* Current mental complaints Code: P 13.2.2

*Measurement:* Index of statements about feelings of nervousness, strain, distraction, embarrassment and fear. (Taylor Manifest Anxiety Scale; see Taylor, 1953).

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-AOL/cy/sq/v/10/a	r=-.24 ns	

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<b>Study</b>	<b>MAKAR 1962</b>	<i>Page in Report:</i>	115
<i>Reported in:</i>	Makarczyk, W. Factors affecting life satisfaction among people in Poland. Polish Sociological Bulletin, 1962, vol. 1, p. 105-116.		
<i>Population:</i>	Adults, general public, students and peasants excluded, Poland, 1960		
<i>Sample:</i>			
<i>Non-Response:</i>	5%		
<i>N:</i>	2387		

---

### Measured Correlate

*Class:* Current mental complaints Code: P 13.2.2

*Measurement:* Single question on being a nervous person: definitely no / rather no / rather yes/decidedly yes.

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLW/u/sq/v/5/a	T=-.11 p<.001	

<b>Study</b>	<b>MITCH 1972/2</b>	<i>Page in Report:</i>	39
<i>Reported in:</i>	Mitchell, R.E. Levels of emotional strain in Southeast Asian cities Asian Folklore & social life monographs, The Orient cultural Servic 1972, Taipei, Formosa		
<i>Population:</i>	18+ aged, general public, Hong Kong, South East Asia, 1967		
<i>Sample:</i>			
<i>Non-Response:</i>	21%		
<i>N:</i>	3966 (men : 2006, women : 1960)		

### Measured Correlate

*Class:* Current mental complaints Code: P 13.2.2

*Measurement:* 11 item index. Typical items are :  
 - Your hands sweat so that you feel damp and clammy.  
 - You have nightmares.  
 - You lose your appetite.

For each item, the respondent was asked if he experienced the symptom many times/sometimes/hardly ever/never. Many times or sometimes (score 1 , hardly ever or never : score 0) were considered as an indicator of emotional strain (item analysis, fact validity of the answer categories). Those with four or more of these strains were labelled emotionally ill ; those with three or less are considered to be healthy. Score range : 0 - 11.

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/4/a	G=-.32 p<.01	Figures based on half of the sample.  linear  There is a stronger connection between illness and unhappiness when there is lower social involvement.

---

<b>Study</b>	<b>VEROF 1962</b>	<i>Page in Report:</i>	196
<i>Reported in:</i>	Veroff, J., Feld, S. & Gurin, G. Dimensions of subjective adjustment. Journal of Abnormal and Social Psychology, 1962, vol. 64, p. 192 - 205.		
<i>Population:</i>	21+ aged, married, with children, USA, 1957		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	797		

---

### Measured Correlate

*Class:* Current mental complaints Code: P 13.2.2

*Measurement:* Factor containing direct questions on difficulties with getting up in the morning, and sweating hands (6 ranks).

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/u/sq/v/3/a	tb= -	Males : $\_b = -.12$ (01) Females : $\_b = -.02$ (ns)

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<b>Study</b>	<b>VEROF 1962</b>	<i>Page in Report:</i>	196
<i>Reported in:</i>	Veroff, J., Feld, S. & Gurin, G. Dimensions of subjective adjustment. Journal of Abnormal and Social Psychology, 1962, vol. 64, p. 192 - 205.		
<i>Population:</i>	21+ aged, married, with children, USA, 1957		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	797		

---

### Measured Correlate

*Class:* Current mental complaints Code: P 13.2.2

*Measurement:* Factor of closed questions on having trouble falling asleep or staying asleep and being bothered by nervousness, feeling fidgety and tense.

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/u/sq/v/3/a	tb= -    p<. 01	Mal es : _b = -. 16 (01) Femal es : _b = -. 19 (01)

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<b>Study</b>	<b>VEROF 1962</b>	<i>Page in Report:</i>	196
<i>Reported in:</i>	Veroff, J., Feld, S. & Gurin, G. Dimensions of subjective adjustment. Journal of Abnormal and Social Psychology, 1962, vol. 64, p. 192 - 205.		
<i>Population:</i>	21+ aged, married, with children, USA, 1957		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	797		

---

### Measured Correlate

*Class:* Current mental complaints Code: P 13.2.2

*Measurement:* Factor containing direct questions on having ever been bothered by shortness of breath, and by one's heart beating hard: never / hardly never / sometimes / many times (6 ranks).

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/u/sq/v/3/a	tb= -    p<. 01	Mal es : _b = -. 12 (01) Femal es : _b = -. 15 (01)

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**Appendix 1**      **Queries on Happiness used in reported Studies**
*Happiness Query Code*    *Full Text*


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A-AOL/cy/sq/v/10/a	<p>Selfreport on single question:</p> <p>"In thinking over the past year, indicate how elated or depressed, happy or unhappy you have felt....?"</p> <p>10 Complete elation, rapturous joy and soaring ecstasy</p> <p>9 Very elated and in very high spirits. Tremendous delight and buoyancy.</p> <p>8 Elated and in high spirits.</p> <p>7 Feeling very good and cheerfull.</p> <p>6 Feeling pretty good , "OK".</p> <p>5 Feeling a little bit low. Just so-so.</p> <p>4 Spirits low and somewhat "blue".</p> <p>3 Depressed and feeling very low. Definitely "blue".</p> <p>2 Tremendously depressed. Feeling terrible, really miserable, "just awful".</p> <p>1 Utter depression and gloom. Completely down. All is black and leaden. Wish it were all over.</p>
A-AOL/g/sq/v/5/a	<p>Selfreport on single question:</p> <p>"In general, how would you say you feel most of the time - in good spirits or in low spirits....?"</p> <p>5 very good spirits</p> <p>4 fairly good spirits</p> <p>3 neither good spirits nor low spirits</p> <p>2 fairly low spirits</p> <p>1 very low spirits.</p>
A-AOL/m/sq/v/5/a	<p>Single direct question:</p> <p>'How are you feeling now....?'</p> <p>5 very good</p> <p>4 good</p> <p>3 neither good nor poor</p> <p>2 poor</p> <p>1 very poor</p> <p>Original text in Danish:</p> <p>'Hvordan har du det for tiden?</p> <p>5 meget godt</p> <p>4 godt</p> <p>3 hverken godt eller dårligt</p> <p>2 dårligt</p> <p>1 meget dårligt</p>
A-BB/cm/mq/v/2/a	<p>Selfreport on 10 questions:</p> <p>"During the past few weeks, did you ever feel ....?" (yes/no)</p> <p>A Particularly exited or interested in something?</p> <p>B So restless that you couldn't sit long in a chair?</p> <p>C Proud because someone complimented you on something</p>

- you had done?
- D Very lonely or remote from other people?
  - E Pleased about having accomplished something?
  - F Bored?
  - G On top of the world?
  - H Depressed or very unhappy?
  - I That things were going your way?
  - J Upset because someone criticized you?

Answer options and scoring:

yes = 1

no = 0

Summation:

-Positive Affect Score (PAS): A+C+E+G+I

-Negative Affect Score (NAS): B+D+F+H+J

-Affect Balance Score (ABS): PAS minus NAS

Possible range: -5 to +5

A-BB/cm/mq/v/5/a

Name: Bradburn's 'Affect Balance Scale' (standard version)

Selfreport on 13 questions:

"During the past four weeks have you ever felt....?" (yes/no)

- A Pleased about having accomplished something.
- B Things going my way.
- C Proud because someone complimented me on something I had done.
- D Particularly excited or interested in something I had done.
- E On top of the world.
- F A deep sense of joy.
- G Pleased because my life feels orderly and secure.
- H Bored.
- I Very lonely and remote from other people.
- J Jealous of somebody.
- K Angry with someone.
- L Disappointed in myself..
- M Unhappy about the small number of times I have pleasant feelings and experiences.

Answer options:

0 no

yes

If yes: How often did you feel so?

5 every day

4 several times a week

3 once a week

2 2 or 3 times a month

1 once a month

Summation:

- Positive Affect Score (PAS): Average A to G

- Negative Affect Score (NAS): Average H to M
  - Affect Balance Score (AB): PAS minus NAS
- Possible range: +42 tot -30

A-BB/cq/mq/v/3/a  
Name : Bradburn's 'Affected Balance Scale' (modified version)  
Selfreport on 10 questions:

"During the past few months, have you ever felt..... (often, sometimes, never?"

- A Particularly exited or interested in something?
- B So restless that you couldn't sit long in a chair?
- C Proud because someone complimented you on something you had done?
- D Very lonely or remote from other people?
- E Pleased about having accomplished something?
- F Bored?
- G Depressed or very unhappy?
- H That things were going your way?
- I Upset because someone criticized you?

Answer options and scoring:

- 0 = no
- if yes
- 3 often
- 2 sometimes
- 1 never

Summation:

- Positive Affect Score (PAS): A+C+E+I
  - Negative Affect Score (NAS): B+D+F+H+J
  - Affect Balance Score (ABS): PAS minus NAS
- Possible range: -15 to +12

A-BB/cw/mq/v/4/c  
Name: Bradburn's 'Affect Balance Scale' (standard version)  
Selfreport on 8 questions:

" In the past few weeks did you ever feel.....?"

- A Pleased about having accomplished something
- B Upset because someone critized you
- C Proud because someone complimented you one something you had done
- D That things are going your way
- E So restless you couldn't sit long in a chair
- F Unhappy or depressed
- G Particularly interested in something
- H Lonely and remote from other people

Response options:

- 0 not at all
- 1 sometimes
- 2 often
- 3 very often

Scoring: a = 0.....d = 3

## Summation:

Positive Affect Score (PAS): summed scores on A, C, D, G

Negative Affect Score (NAS): summed scores on B, E, F, H

Affect Balance Score (ABS): PAS minus NAS

Name: Bradburn's Affect Balance Scale (variant)

A-BB/cw/mq/v/4/e

Selfreport on 9 questions:

"We are interested in the way people are feeling these days. The following list describes some of the ways people feel at different times. Please indicate how often you felt each way during the last week.

"How often last week did you feel ....."

- A On the top of the world
- B Very lonely or remote from other people
- C Particularly excited or interested in something
- D Depressed or very unhappy
- E Pleased about having accomplished something
- F Bored
- G Proud because someone complimented you on something you had done
- H So restless you couldn't sit long in a chair
- I Vaguely uneasy about something without knowing why

## Answer options:

- 0 not at all
- 1 once
- 2 several times
- 3 often

## Summation:

Positive Affect Score (PAS): summed scores on A, C, E, G

Negative Affect Score (NAS): summed scores on B, D, F, H, I

Affect Balance Score (ABS): PAS minus NAS

Possible range: -15 tot +12

Name: Bradburn's 'Affect Balance Scale' (modified version)

A-BB/cy/mq/v/2/a

Selfreport on 10 questions asked 4 times a year at 3 month intervals.

"During the past few weeks, did you ever feel.....?" (yes/no)

- A Particularly excited, or interested in something?
- B So restless that you could not sit long in a chair?
- C Proud because someone complimented you on something you had done?
- D Very lonely or remote from people?
- E Pleased about having accomplished something?
- F Bored?
- G On top of the world?

- H Depressed?  
 I That things were going your way?  
 J Upset because someone criticized you?

Scoring: yes = 1, no is = 0

Summation:

-Positive Affect Score (PAS): A+C+E+G+I

-Negative Affect Score (NAS): B+D+F+H+J

-Affect Balance Score (ABS): PAS minus NAS

Possible: range: -5 to +5

Name: Bradburn's 'Affect Balance Scale'

A-BBr/cw/mq/v/4/b

Selfreport on 2 questions:

"Please tell me how often you have felt this way during the past week...?"

A I enjoyed life

B I was happy

Answer options:

1 rarely or none of the time

2 some or a little of the time

3 occasionally or a moderate amount of time

4 most of the time

Summation: average score on A and B

C-A/h/sq/v/3/a

Selfreport on single question:

"How do you feel about what you have accomplished in life...?"

3 well satisfied

2 reasonable satisfied

1 dissatisfied:

M-FH/cm/sq/v/5/a

Selfreport on single question:

"How would you rate the last month of your life. Was it a happy or an unhappy time for you.....?"

5 very happy time

4 fairly happy time

3 happy nor unhappy

2 rather unhappy time

1 very unhappy time

Original text in German:

"Wie würden Sie den letzten Monat Ihres Lebens einstufen? War das für Sie eine glückliche oder eine unglückliche Zeit.....?"

e sehr glückliche Zeit

d recht glückliche Zeit

c weder glücklich noch unglücklich

b eher unglückliche Zeit

a sehr unglückliche Zeit

M-TH/g/sq/v/5/b

Self report on single question:

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	<p>"How often do you feel that you are really enjoying life? Would you say.....?"</p> <p>5 very often 4 fairly often 3 occasionally 2 rarely 1 never</p>
O-DT/u/sq/f/7/a	<p>Selfreport on single question:</p> <p>"Which face comes closest to expressing feeling about life as a whole?",</p> <p>7 delighted 6 very satisfying 5 satisfying 4 mixed 3 dissatisfying 2 very dissatisfying 1 terrible - No opinion</p>
	<p>Name: Andrews &amp; Withey's "Delighted-Terrible Scale" (modified version)</p>
O-DT/u/sq/v/7/a	<p>Selfreport on single question:</p> <p>"How do you feel about your life as a whole.....?"</p> <p>7 delighted 6 pleased 5 mostly satisfied 4 mixed 3 mostly dissatisfied 2 unhappy 1 terrible</p>
	<p>Name: Andrews &amp; Withey's 'Delighted-Terrible Scale' (original version)</p>
O-H?/?/oa/?/0/a	<p>Selfreport on single question:</p> <p>Open question on happiness. Text not reported.</p>
O-HL/c/sq/v/3/aa	<p>Selfreport on single question:</p> <p>'Taken all together, how would you say things are these days? Would you say that you are.....?'</p> <p>3 very happy 2 pretty happy 1 not too happy</p>
O-HL/c/sq/v/4/a	<p>Selfreport on single question:</p> <p>"Do you feel your life at present is.....?"</p> <p>4 very happy 3 quite happy</p>

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O-HL/c/sq/v/5/c	<p>2 quite unhappy 1 very unhappy Selfreport on single question:</p>
	<p>"Taking all things together, how would you say you are these days.....?" 5 extremely happy 4 very happy 3 happy 2 pretty happy 1 not too happy</p>
O-HL/c/sq/v/5/h	<p>In Dutch: "Hoe gelukkig voelt u zich alles bij elkaar genomen op het ogenblik?" e buitengewoon gelukkig d zeer gelukkig c gelukkig b tamelijk gelukkig a niet zo gelukkig Selfreport on single question</p>
	<p>'How happy are you now?' 5 very happy 4 happy 3 neither happy nor unhappy 2 unhappy 1 very unhappy</p>
O-HL/u/sq/v/3/a	<p>Original text in Danish: 'Hvor lykkelig er du for tiden?' 5 meget lykkelig 4 lykkelig 3 hverken eller 2 ullykkelig 1 meget ullykkelig Selfreport on single question:</p>
	<p>"Taking all together: how happy would you say you are? Would you say you are.....?" 3 very happy 2 pretty happy 1 not too happy</p>
O-HL/u/sq/v/4/b	<p>Selfreport on single question:</p>
	<p>"On the whole, how happy would you say you are.....?" 4 very happy 3 fairly happy 2 not very happy 1 very unhappy</p>
O-HP/g/mq/v/5/a	<p>Selfreport on 6 questions:</p>
	<p>" Describe the kind of person you are. Please read each sentence, then mark how</p>

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often it is true for you"  
 1 I feel like smiling  
 2 I generally feel in good spirits  
 3 I feel happy  
 4 I am very satisfied with life  
 5 I find a good deal of happiness in life  
 6 I feel sad

Response options:  
 5 almost always true  
 4 often true  
 3 sometimes true  
 2 seldom true  
 1 never true

Summation: average  
 Possible range: 1 to 5

O-HP/g/sq/ol/7/a

Selfreport on single question:

"Generally speaking are you a happy person.....?"

Responses were made on an open line scale, and were later coded in 7 categories:

1 very unhappy  
 2  
 3  
 4  
 5  
 6  
 7 very happy.

Original text in Dutch:

"Bent u over het algemeen een gelukkig mens?"

a zeer ongelukkig

b

c

d

e

f

g zeer gelukkig

O-HP/u/sq/v/5/a

Selfreport on single question

"To what extend do you consider yourself a happy person....?"

5 very happy  
 4 happy  
 3 neither happy nor unhappy  
 2 not very happy  
 1 unhappy

In Dutch:

"In welke mate vindt u zichzelf een gelukkig mens ?"

- 5 erg gelukkig
- 4 gelukkig
- 3 niet gelukkig, niet ongelukkig
- 2 niet zo gelukkig
- 1 ongelukkig
- weigert
- weet niet

O-QL?/c/mq/v/5/a

Selfreport on 3 questions:

A " When you consider your present life as-a-whole, would you say you are....?"

- 5 very happy
- 4 fairly happy
- 3 rather happy than unhappy
- 2 rather unhappy than happy
- 1 very unhappy
- DK/NA

B " When you consider your present life as-a-whole, would you say you are.....?"

- 5 very satisfied
- 4 fairly satisfied
- 3 rather satisfied than dissatisfied
- 2 rather dissatisfied than satisfied
- 1 fairly dissatisfied
- DK/NA

C " How do you feel right now? Is your well-being.....?"

- 5 very high
- 4 high
- 3 moderate
- 2 rather low
- 1 very low
- DK/NA

Summation: The summed scores were divided in three strata: low, medium and high quality of life

In German:

A "Wenn Sie ihr Leben jetzt alles in allem betrachten, sind Sie.....?"

- e sehr glücklich
- d ziemlich glücklich
- c eher glücklich
- b eher unglücklich
- a ziemlich unglücklich
- keine Angabe

B "Wenn Sie ihr Leben jetzt in allem betrachten, sind Sie.....?"

- e sehr zufrieden
- d ziemlich zufrieden
- c eher zufrieden
- b eher unzufrieden

- a ziemlich unzufrieden
- keine Angabe

C "Wie wohl fühlen Sie sich derzeit? Ist Ihr Wohlbefinden....?"

- e sehr gross
- d gross
- c mässig
- b eher gering
- a sehr gering
- keine Angabe

O-QLS/c/sq/v/5/b

Selfreport on single question:

'How would you rate the quality of your life at present? Would you say it is ..

- 5 excellent
- 4 very good
- 3 good
- 2 fair
- 1 poor

O-SLL/c/sq/v/5/b

Selfreport on single question:

"How satisfied are you with the life you lead these days.....?"

- 5 very satisfied
- 4 fairly satisfied
- 3 neither satisfied nor dissatisfied
- 2 rather dissatisfied
- 1 very dissatisfied

In German:

"Wie zufrieden sind sie mit dem Leben, wie Sie es zur Zeit fuhren.....?"

- e sehr zufrieden
- d recht zufrieden
- c weder zufrieden noch unzufrieden
- b eher unzufrieden
- a sehr unzufrieden

O-SLS/c/sq/f/7/a

Selfreport on single question:

" When you're not only thinking of your job, but of your total present situation (house, prices, health, love, politics, neighbours, etc.), how satisfied are you with your life as-a-whole? Please mark the appropriate face below."

Rated on pictorial scale, consisting of seven smilies, expressing variations from very dissatisfied (a) to very satisfied (g) ( Kunin's 'Faces scale') Pictures not reproduced here).

- 1 unhappy face
- .
- .
- 4 neutral face
- .

.  
7 happy face

In German:

"Wenn Sie nun nicht nur die Arbeit betrachten, sondern Ihre gesamte derzeitige Situation berücksichtigen (Wohnung, Preise, Gesundheit, Liebe, Politik, Nachbarn usw.), wie zufrieden sind Sie dann insgesamt mit Ihrem Leben? Streichen Sie bitte das zutreffende Gesicht an."

O-SLu/c/sq/v/5/e Item in the "Arbeitsbeschreibungsbogen" (job-description questionnaire).  
Selfreport on single question:

'How satisfied are you with your life now?'

- 5 very satisfied
- 2 satisfied
- 3 neither satisfied nor dissatisfied
- 2 dissatisfied
- 1 very dissatisfied

Original text in Danish:

'Hvor tilfreds er du med dit liv for tiden?'

- 5 meget tilfreds
- 4 tilfreds
- 3 hverken tilfreds eller utilfreds
- 2 utilfreds
- 1 meget utilfreds

O-SLW/?/sq/v/3/b Selfreport on single question:

".....satisfaction with overall life....."

(Full questions not reported)

- 3 very satisfied
- 2 fairly satisfied
- 1 not satisfied
- NA

O-SLW/u/sq/v/5/a Selfreport on single question:

"On the whole, are you satisfied with your life.....?"

- 5 definitely yes
- 4 rather yes
- 3 don't know
- 2 rather no
- 1 definitely no
- no reply

On the web you will find an overview of valid queries on happiness and an explanation of the classification used. Go to: [www.eur.nl/fsw/research/happiness/hap\\_quer/hqi\\_fp.htm](http://www.eur.nl/fsw/research/happiness/hap_quer/hqi_fp.htm). This is the introductory text to the Catalog of Happiness Queries.

## Appendix 2 *Statistics used in reported studies*

<i>Symbol</i>	<i>Explanation</i>
Beta	<p>(<math>\beta</math>) STANDARDIZED REGRESSION COEFFICIENT            Type: test statistic.            Measurement level: Correlates: all metric, Happiness: metric.            Range: [-1 ; +1]</p> <p>Meaning:  <math>\beta &gt; 0</math> « a higher correlate level corresponds with, on an average, higher happiness rating.  <math>\beta &lt; 0</math> « a higher correlate level corresponds with, on an average, lower happiness rating.  <math>\beta = 0</math> « no correlation.  <math>\beta = +1</math> or <math>-1</math> « perfect correlation.</p>
C	<p>Pearson's CONTINGENCY COEFFICIENT            Type: test statistic            Measurement level: Correlate: nominal, Happiness: ordinal            Range: [0; <math>\sqrt{1-1/s}</math>], where s = the lesser of c and r, the number of columns and rows respectively.</p> <p>Meaning:  <math>C = 0</math> « no association.  <math>C = \sqrt{1-1/s}</math> « strongest possible association</p>
DM	<p>DIFFERENCE of MEANS            Type: descriptive statistic only.            Measurement level: Correlate: dichotomous, Happiness: metric            Range: depending on the happiness rating scale of the author; range symmetric about zero.</p> <p>Meaning: the difference of the mean happiness, as measured on the author's rating scale, between the two correlate levels.</p>
DMt	<p>DIFFERENCE of MEANS AFTER TRANSFORMATION            Type: descriptive statistic only.            Measurement level: Correlate: dichotomous, Happiness: metric            Theoretical range: [-10; +10]</p> <p>Meaning: the difference of the mean happiness (happiness measured at a 0-10 rating scale) between the two correlate levels.</p>
G	<p>GOODMAN &amp; Kruskal's GAMMA            Type: test statistic            Measurement level: Correlate: ordinal, Happiness: ordinal            Range: [-1; +1]</p> <p>Meaning:  <math>G = 0</math> « no rank correlation  <math>G = +1</math> « strongest possible rank correlation, where high correlate values correspond with high happiness ratings.  <math>G = -1</math> « strongest possible rank correlation, where high correlate values correspond</p>

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Gs	<p>with low happiness ratings.          PARTIAL GAMMA. See: GAMMA          Range: [-1, +1].          Seldom used in happiness research. See excerpted report.</p>
OR	<p>ODDS RATIO          Type: descriptive statistic only.          Measurement level: Correlate: dichotomous, Happiness level: dichotomous          Range: nonnegative unlimited</p>
r	<p>Meaning:          OR = 1 « no association at all;          OR = 0 or infinite « at least one level of the correlate allows an error-free prediction of the happiness.</p> <p>PRODUCT-MOMENT CORRELATION COEFFICIENT (Also 'Pearson's correlation coefficient' or simply 'correlation coefficient')          Type: test statistic.          Measurement level: Correlate: metric, Happiness: metric          Range: [-1; +1]</p>
rpc	<p>Meaning:          r = 0 « no correlation ,          r = 1 « perfect correlation, where high correlate values correspond with high happiness values, and          r = -1 « perfect correlation, where high correlate values correspond with low happiness values.</p> <p>PARTIAL CORRELATION COEFFICIENT          Type: test statistic          Measurement level: Correlate: metric, Happiness: metric          Range: [-1; +1]</p>
rs	<p>Meaning: a partial correlation between happiness and one of the correlates is that correlation, which remains after accounting for the contribution of the other influences, or some of them, to the total variability in the happiness scores.          Under that conditions          rpc &gt; 0 « a higher correlate level corresponds with a higher happiness rating,          rpc &lt; 0 « a higher correlate level corresponds with a lower happiness rating,</p> <p>SPEARMAN'S RANK CORRELATION COEFFICIENT          Type: test statistic          Measurement level: Correlate: ordinal, Happiness: ordinal.          Range: [-1; +1]</p>
βL	<p>Meaning:          rs = 0 « no rank correlation          rs = 1 « perfect rank correlation, where high correlate values are associated with high happiness ratings          rs = -1 « perfect rank correlation, where high correlate values are associated with low happiness ratings</p> <p>PATH COEFFICIENT OBTAINED IN A LISREL MODEL.          Range: unlimited, but seldom exceeds [-1, +1].</p>

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	In the Catalogue of Correlational Findings, this statistic or statistical procedure occurs very rarely only. The reader is referred to the excerpted publication for detailed information or for further reference.
T	TSCHUPROW'S T Type: test statistic. Measurement level: Correlate: nominal, Happiness: ordinal Range: $[0 ; \sqrt{(\min(r,c)-1)/(\max(r,c)-1)}]$ , c and r being the numbers of columns resp. rows in a cross tabulation.  Meaning: T = 0 « no association T -> 1 « strongest possible association.
tau	NOTE: sometimes the square value is reported instead ! GOODMAN & KRUSKAL'S TAU Type: descriptive statistic only. Measurement level: Correlate: nominal, Happiness: ordinal Range: [0; +1]  Meaning: tau = 0 « knowledge of the correlate value does not improve the prediction quality of the happiness rating. tau = 1 « knowledge of the correlate value enables a perfect (error-free) prediction of the happiness rating.
tb	KENDALL'S RANK CORRELATION COEFFICIENT TAU-B Type: test statistic Measurement level: Correlate: ordinal, Happiness: ordinal Range: [-1; +1]  Meaning: tb = 0 « no rank correlation tb = 1 « perfect rank correlation, where high values of the correlate correspond with high happiness ratings. tb = -1 « perfect rank correlation, where high values of the correlate correspond with low happiness ratings.
V	CRAMÉR'S V Type: test statistic Measurement level: Correlate: nominal, Happiness: ordinal Range: [0; 1]  Meaning: V = 0 « no association V = 1 « strongest possible association

On the web you will find a text explaining the statistics used in more detail. Go to: [www.eur.nl/fsw/research/happiness/hap\\_cor/cor\\_fp.htm](http://www.eur.nl/fsw/research/happiness/hap_cor/cor_fp.htm). This is the introductory text to the Catalog of Correlational Findings. An overview of all statistics is in chapter 4.

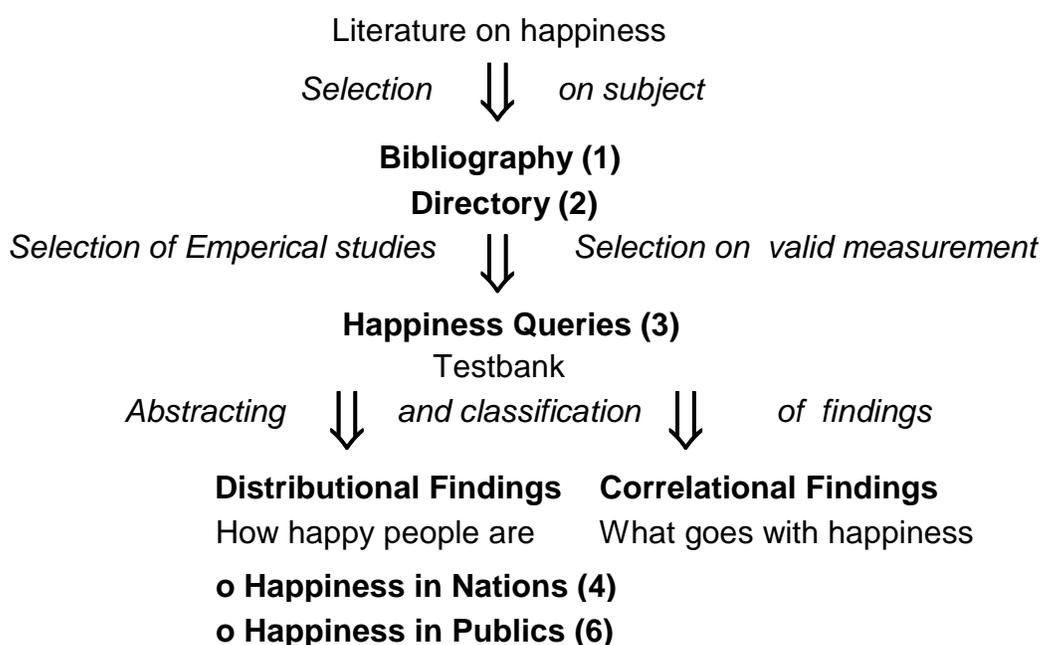
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## **Appendix 3: About the World Database of Happiness**

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The World Database of Happiness is an ongoing register of scientific research on subjective appreciation of life. It brings together findings that are scattered throughout many studies and provides a basis for synthetic analysis. The research literature is processed as follows:

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- 1    **BIBLIOGRAPHY OF HAPPINESS** Presents all contemporary scientific publications. Detailed subject-classification. Current contents: 3422 titles, mainly in English.
  - 2    **DIRECTORY OF INVESTIGATORS** Names and addresses of most authors on the subject. Enumerates years of publication. Current contents: 5818 names and 3073 addresses. Part of Bibliography.
  - 3    **CATALOG OF HAPPINESS QUERIES (testbank)** Presents all indicators that tap happiness as defined here. Current content: 522 measures, mostly single questions. Queries are classified by focus, time reference, mode of observation, rating and wording.
  - 4    **CATALOG OF HAPPINESS IN NATIONS** Presents distributional research findings, in particular responses to questions on happiness in national survey studies. Allows comparison across time and nations. Current content: 1889 surveys in 112 nations, 1946-2000.
  - 5    **CATALOG OF HAPPINESS IN PUBLICS** Distributional findings on happiness in special publics within nations, such as aged people. Current contents: 705 studies. Part of Catalog of Correlational Findings.
  - 6    **CATALOG OF CORRELATIONAL FINDINGS** Presents abstracts of correlational research findings. Detailed subject-classification. Allows comparison through time and across nations. Current contents: 7476 findings from 705 studies in 140 nations, 1911-2000.

## **Appendix 4 Further Findings in the World Database of Happiness**

<i>Main Category's</i>	<i>Category Name</i>	<i>Number of Studies in this Category</i>
A 1	ACTIVITY LEVEL (how much one does)	53
A 2	ACTIVITY PATTERN (what one does)	7
A 3	AFFECTIVE LIFE	31
A 4	AGE	279
A 5	AGGRESSION	11
A 6	ANOMY	30
A 7	APPEARANCE (good looks)	8
A 8	ATTITUDES	4
A 9	AUTHORITARIANISM	4
B 3	BODY	66
C 1	CHILDREN 1:	4
C 10	CREATIVENESS	6
C 11	CULTURE (Arts and Sciences)	6
C 2	CHILDREN: WANT FOR (Parental aspirations)	6
C 3	CHILDREN: HAVING (parental status)	145
C 4	CHILDREN's CHARACTERISTICS	19
C 5	CHILDREN: RELATION WITH	8
C 6	CHILDREN: REARING (parental behavior)	11
C 7	COMMUNAL LIVING	1
C 8	CONCERNS	15
C 9	COPING	27
D 1	DAILY JOYS & HASSLES	4
E 1	EDUCATION	243
E 2	EMPLOYMENT	180
E 3	ETHNICITY	63
E 4	EXPRESSIVE BEHAVIOR	10
F 1	FAMILY OF ORIGIN (earlier family for adults, current for young)	195
F 2	FAMILY OF PROCREATION	42
F 3	FAMILY OF RELATIVES	145
F 4	FARMING	30
F 5	FREEDOM	24
F 6	FRIENDSHIP	123
G 1	GENDER	252
G 2	GRIEF	1
H 10	HOPE	3
H 11	HOUSEHOLD: COMPOSITION	90
H 12	HOUSEHOLD: WORK	10
H 13	HOUSING	75
H 2	HANDICAP	13

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H 3	HAPPINESS: ATTITUDES	39
H 5	HAPPINESS CAREER	144
H 6	HAPPINESS: CURRENT LEVEL	260
H 8	HEALTH-BEHAVIOR	15
H 9	HELPING	4
I 1	INCOME	415
I 2	INSTITUTIONAL LIVING	28
I 3	INTELLIGENCE	63
I 4	INTERESTS	5
I 5	INTERVIEW	49
I 6	INTIMACY	70
L 1	LANGUAGE	1
L 10	LOCAL ENVIRONMENT	270
L 11	LOTTERY	7
L 12	LOVE-LIFE	26
L 2	LEADERSHIP	8
L 3	LEISURE	128
L 4	LIFE APPRAISALS: OTHER THAN HAPPINESS4	290
L 5	LIFE-CHANGE	26
L 6	LIFE-EVENTS	63
L 7	LIFE-GOALS	52
L 8	LIFE HISTORY	1
L 9	LIFE STYLE	4
M 1	MARRIAGE: MARITAL STATUS CAREER	32
M 10	MIGRATION: MIGRANT WORK	3
M 11	MILITARY LIFE	5
M 12	MODERNITY	5
M 13	MOOD	181
M 2	MARRIAGE: CURRENT MARITAL STATUS	315
M 3	MARRIAGE: RELATIONSHIP	99
M 4	MARRIAGE: PARTNER	34
M 5	MEANING	18
M 6	MEDICAL TREATMENT	49
M 7	MENTAL HEALTH	99
M 8	MIGRATION: OTHER COUNTRY	9
M 9	MIGRATION: MOVING WITHIN COUNTRY (residential mobility)	17
N 1	NATIONALITY	5
N 2	NATION: TIME & PLACE	20
N 3	NATIONAL CHARACTER (modal personality)	2
N 4	NATION'S CONDITION	52
N 6	ATTITUDES TO THE NATION	111
N 7	LIVABILITY OF THE NATION	5
N 8	NUTRITION	18
O 1	OCCUPATION	133

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O 2	ORGAN TRANSPLANTATION	11
P 1	PERSONALITY: HISTORY	44
P 10	POSSESSIONS	26
P 12	PROBLEMS	20
P 13	PSYCHO-SOMATIC COMPLAINTS	53
P 2	PERSONALITY: CHANGE	7
P 3	PERSONALITY: CURRENT ORGANIZATION	7
P 4	PERSONALITY: CURRENT TRAITS	392
P 5	PERSONALITY: LATER	23
P 6	PHYSICAL HEALTH	286
P 7	PLANNING	7
P 8	POLITICS	197
P 9	POPULARITY	22
R 1	RELIGION	198
R 2	RESOURCES	8
R 3	RETIREMENT	46
R 4	ROLES	13
S 1	SCHOOL	92
S 10	SOCIAL SUPPORT: RECEIVED	26
S 11	SOCIAL SUPPORT: Provided	3
S 12	SPORTS	32
S 13	STIMULANTS	33
S 14	SUICIDE	4
S 15	SUMMED EFFECTS ON HAPPINESS	71
S 2	SELF-IMAGE	193
S 3	SEX-LIFE	54
S 4	SLEEP	10
S 5	SOCIAL MOBILITY	16
S 6	SOCIAL PARTICIPATION: PERSONAL CONTACTS	50
S 7	SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS	111
S 8	SOCIAL PARTICIPATION: TOTAL (personal + associations)	25
S 9	SOCIAL STATUS (Socio-Economic Status)	140
T 1	TIME	27
T 2	THERAPY	9
T 3	TOLERANCE	37
V 1	VALUE CAREER	8
V 2	VALUES: CURRENT PREFERENCES (own)	49
V 3	VALUES: CLIMATE (current values in environment)	4
V 4	VALUES: SIMILARITY (current fit with others)	5
V 5	VICTIM	11
W 1	WAR	5
W 2	WORK CAREER	1
W 3	WORK CONDITIONS	34
W 4	WORK-ATTITUDES	313

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W 5	WORK-PERFORMANCE (current)	6
W 6	WORRIES	27
X	UNCLASSIFIED	22

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## **Appendix 5 Related Topics**

### ***This Topic***

*Classification Page 1*

### ***Related Topics***

*In Subject List on Appendix 4*

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P 13	PSYCHO-SOMATIC COMPLAINTS	M 7	MENTAL HEALTH
		P 6	PHYSICAL HEALTH
			STRESS
P 13.1	Psycho-somatic career	L 4.7.1	Life-stress inventories
P 13.1.1	Earlier psycho-somatic complaints		
P 13.1.2	Change in psycho-somatic complaints		
P 13.1.3	History of current complaints		
P 13.1.4	Later psycho-somatic complaints		
P 13.2	Current psycho-somatic complaints	M 13.3.9	Feeling secure (vs threatened)
		M 13.3.13	Feeling tranquil (vs restless)
P 13.2.1	Current physical complaints	P 6.2.2.2	. number of health complaints
		P 6.2.3.1	. fatigue
		P 6.2.3.2	. pain
P 13.2.2	Current mental complaints	M 7.2.2.2	. scores on symptom inventories
		M 7.2.2.3	. feels close to mental breakdown
P 13.3	Attitudes to psycho-somatic complaints		

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**End of Report**