



## **Findings on Happiness & SOCIAL PARTICIPATION: PERSONAL CONTACTS**

**Correlate Code: S 6**

<b>Classification of Findings</b>		<b>Number of Studies on this Subject</b>
Correlate Code	Correlate Name	
S 6	SOCIAL PARTICIPATION: PERSONAL CONTACTS	1
S 6.1	Contact career	0
S 6.1.1	Earlier personal contacts	0
S 6.1.1.1	. earlier amount of personal contacts	1
S 6.1.1.2	. earlier satisfaction with personal contacts	2
S 6.1.2	Change in personal contacts	6
S 6.1.2.1	. change in amount of personal contacts	1
S 6.1.2.2	. change in satisfaction with personal contacts	0
S 6.1.4	Later personal contacts	0
S 6.2	Current contacts	18
S 6.3	Attitudes to personal contacts	0
S 6.3.1	Concern about personal contacts	6
S 6.3.2	Perceived amount of pleasant contacts	1
S 6.3.3	Satisfaction with personal contacts	9
S 6.3.3.1	. satisfaction with opportunities for contact	2
S 6.3.3.2	. satisfaction with amount of personal contacts	2
S 6.3.3.3	. satisfaction with quality of personal contacts	1

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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

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Study	VENTE 1996	Page in Report:	172
Reported in:	Ventegodt, S. Livskvalitet hos 4500 31-33 årige (The Quality Of Life of 4500 31-33-year-olds) Forskningscenter for Livskvalitet, Forskningscentrets Forlag, København 1996, ISBN 8790190068		
Population:	Persons born at the University Hospital in Copenhagen 1959-1961		
Sample:	Non-probability purposive sample (unspecified)		
Non-Response:	39%		
N:	4500		

## Measured Correlate

Class:	SOCIAL PARTICIPATION: PERSONAL CONTACTS Code: S 6
Measurement:	(Un)employment with/without satisfaction with sex life, and daily personal contacts 0: no daily contacts 1: daily contacts  dissatisfaction with sex life: sex- satisfaction with sex life: sex+
Measured Values:	N All:1893
Error Estimates:	
Remarks:	

## Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-AOL/m/sq/v/5/a	unempl oyed sex- sex+ 0: Mt=4. 90 7. 05 1: Mt=6. 25 8. 04	empl oyed sex- sex+ 6. 05 8. 19 7. 00 8. 63
O-HL/c/sq/v/5/h	unempl oyed sex- sex+ 0: Mt=4. 40 6. 64 1: Mt=5. 48 7. 14	empl oyed sex- sex+ 5. 03 7. 44 5. 96 7. 96
O-SLu/c/sq/v/5/e	unempl oyed sex- sex+ 0: Mt=4. 90 7. 05 1: Mt=6. 25 8. 04	empl oyed sex- sex+ 6. 05 8. 19 7. 00 8. 63

Study	BAHR 1980	Page in Report:	225
<i>Reported in:</i>	Bahr, H.H. & Harvey, C.D. Correlates of morale among the newly widowed The Journal of Social Psychology, 1980, vol 17, p.219-233		
<i>Population:</i>	Recently widowed miner's wives and controls, USA, 1972		
<i>Sample:</i>			
<i>Non-Response:</i>	Widows 39% , survivor wives 19% , other miners wives 48%		
<i>N:</i>	222		

### Measured Correlate

*Class:* . earlier amount of personal contacts Code: S 6.1.1.1

*Measurement:* Direct question: "Did you have close friends in the community prior to the fire?". Scores ranged from 2 low friendshp (reflecting a "yes" answer) to 4 high friendshp.

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-BW/c/sq/l/10/b	r= ns	-Widows (husband died six months ago in mine fire)
	r=? p<?	Widows (husband died six months ago in mine fire)
	r= ns	-Survivor wives (husband survived mine fire)
	r=? p<?	Survivor wives (husband survived mine fire)
	r= ns	-Other miners wives (husband was not involved in mine fire)
	r=? p<?	Other miners wives (husband was not involved in mine fire)
O-HL/c/sq/v/3/ac	r=- p<s	-Widows (husband died six months ago in mine fire)
	r=- p<s	Widows (husband died six months ago in mine fire)
	r= ns	-Survivor wives (husband survived mine fire)
	r=? ns	Survivor wives (husband survived mine fire)
	r= ns	-Other miners wives (husband was not involved in mine fire)

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r=?      ns      Other miners wives (husband was not involved in mine fire)

<b>Study</b>	<b>SEARS 1977A</b>	<i>Page in Report:</i>	40-62/4
<i>Reported in:</i>	Sears, P.S. & Barbee, A.H. Career and Life satisfactions among Terman's gifted women. Chapter 3 in: 'The Stanley, J.C., George, W.C. & Solano, C.H. (eds.) The Johns Hopkins Univ. Press Publ.1977, Baltimore and London, p.28-72		
<i>Population:</i>	"Gifted women" (IQ >135), followed 50 years, California, USA, 1921-72		
<i>Sample:</i>			
<i>Non-Response:</i>	Attrition in 1972: 25%		
<i>N:</i>	1928 N=671: 1972 N=430		

### Measured Correlate

*Class:* . earlier satisfaction with personal contacts Code: S 6.1.1.2

*Measurement:* Mentioned on an open question on satisfying aspects of life.  
a. in 1950  
b. in 1960

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
C-ASG/h/mq/v/5/a	AoV=- ns	a.
	AoV=- p<.02	b.

<b>Study</b>	<b>SEARS 1977A</b>	<i>Page in Report:</i>	40-62/4
<i>Reported in:</i>	Sears, P.S. & Barbee, A.H. Career and Life satisfactions among Terman's gifted women. Chapter 3 in: 'The Stanley, J.C., George, W.C. & Solano, C.H. (eds.) The Johns Hopkins Univ. Press Publ.1977, Baltimore and London, p.28-72		
<i>Population:</i>	"Gifted women" (IQ >135), followed 50 years, California, USA, 1921-72		
<i>Sample:</i>			
<i>Non-Response:</i>	Attrition in 1972: 25%		
<i>N:</i>	1928 N=671: 1972 N=430		

### Measured Correlate

<i>Class:</i>	. earlier satisfaction with personal contacts	Code: S 6.1.1.2
<i>Measurement:</i>	Social contacts mentioned on an open question on satisfying aspects of life.	
	a. in 1950	
	b. in 1960	
<i>Measured Values:</i>		
<i>Error Estimates:</i>		
<i>Remarks:</i>	Earlier satisfaction with social contacts (1960) by present happiness (1972).	

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
C-ASG/h/mq/v/5/a	AoV=- ns AoV=- p<.02	a. b. Earlier satisfaction with social contacts (1960) by present happiness (1972).

Study	BAHR 1980	Page in Report:	225
<i>Reported in:</i>	Bahr, H.H. & Harvey, C.D. Correlates of morale among the newly widowed The Journal of Social Psychology, 1980, vol 17, p.219-233		
<i>Population:</i>	Recently widowed miner's wives and controls, USA, 1972		
<i>Sample:</i>			
<i>Non-Response:</i>	Widows 39% , survivor wives 19% , other miners wives 48%		
<i>N:</i>	222		

### Measured Correlate

*Class:* Change in personal contacts Code: S 6.1.2

*Measurement:* Direct question:  
0 No change  
1 Change

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-HL/c/sq/v/3/ac	r=+ p<.s	-Widows (husband died six months ago in mine fire)
	r=? ns	Widows (husband died six months ago in mine fire)
	r= ns	-Survivor wives (husband survived mine fire)
	r=? ns	Survivor wives (husband survived mine fire)
	r= ns	-Other miners wives (husband was not involved in mine fire)
	r=? ns	Other miners wives (husband was not involved in mine fire)

Study	BRADB 1965/1	Page in Report:	43
<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		

### Measured Correlate

*Class:* Change in personal contacts Code: S 6.1.2

*Measurement:* Closed question on new people met during last week.  
no vs yes

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-BB/cw/mq/v/4/e	G= +      p<	Index of Positive Affects only : G' = +.48 (01) Unaffected by S. E. S.

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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

*Class:* Change in personal contacts Code: S 6.1.2

*Measurement:* Direct question on number of new people met during the past few weeks.

*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/2/a	G=+	Data T1. Not computed for summed ABS. Index of Positive Affects: G= +.33 Index of Negative Affects: G= +.06

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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

*Class:* Change in personal contacts Code: S 6.1.2

*Measurement:* Direct question on new friends made in recent months:  
0 No  
1 Yes

*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/2/a	G=+	Data T1. Not computed for summed ABS. Index of Positive Affects: G= +.37 Index of Negative Affects: G= -.04

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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

*Class:* Change in personal contacts Code: S 6.1.2

*Measurement:* 2 open-ended questions on new activities engaged in during the past few weeks, and on type of activities; coded for activities one did with others.

*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/2/a	G=+	Data T1. Not computed for summed ABS. Index of Positive Affects: G= +.36 Index of Negative Affects: G= +.08

Study	PAYNE 1974	Page in Report:	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:* Change in personal contacts Code: S 6.1.2

*Measurement:* Direct question on new people met during past few weeks.

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-BB/cm/mq/v/5/a	G=	Index of Positive Affects: G = +.18 Index of Negative Affects: G = +.20

Study	GRANE 1975	Page in Report:	703
Reported in:	Graney, M.J. Happiness and social participation in aging. Journal of Gerontology, 1975, vol. 30, p. 701-706.		
Population:	62-89 aged females, followed 4 years, USA, 1967-71		
Sample:			
Non-Response:	27%; 24% unattainable, 3% incomplete.		
N:	44		

## Measured Correlate

Class: . change in amount of personal contacts Code: S 6.1.2.1

Measurement: Differences between responses at T1 and T2 on identical direct questions.

- a. More contacts with friends and relatives.
- b. More contacts with neighbors.
- c. More memberships in voluntary associations.
- d. More often meetings of voluntary associations attended.
- e. More often religious services attended.
- f. Telephone used more often.

Measured Values:

Error Estimates:

Remarks:

## Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-BB/cm/mq/v/2/a	tb=-.06 ns	a: Age 66-75: $\_b = -.17$ (ns) Age 82-92: $\_b = +.19$ (ns)

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tb=+.24 p<.05      b: Age 66-75:  $\beta = +.42$  (.05)  
Age 82-92:  $\beta = +.54$  (.01)  
Lower among age 76-81

tb=+.34 p<.01      c: Age 66-75:  $\beta = +.30$  (.05)  
Age 82-92:  $\beta = +.56$  (.01)

tb=+.28 p<.01      d: Age 66-75:  $\beta = +.10$  (ns)  
Age 82-92:  $\beta = +.58$  (.01)

tb=-.15 ns      e: Age 66-75:  $\beta = -.04$  (ns)  
Age 82-92:  $\beta = -.17$  (ns)

tb=+.02 ns      f: Unaffected by age.

Study	BAHR 1980	Page in Report:	225
<i>Reported in:</i>	Bahr, H.H. & Harvey, C.D. Correlates of morale among the newly widowed The Journal of Social Psychology, 1980, vol 17, p.219-233		
<i>Population:</i>	Recently widowed miner's wives and controls, USA, 1972		
<i>Sample:</i>			
<i>Non-Response:</i>	Widows 39% , survivor wives 19% , other miners wives 48%		
<i>N:</i>	222		

### Measured Correlate

*Class:* Current contacts Code: S 6.2

*Measurement:* Direct question: "How many times during the week preceding the interview did you visit relatives and/or friends or telephone relatives and/or friends?".

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-BW/c/sq/l/10/b	r= ns	-Widows (husband died six months ago in mine fire)
	r=? p<?	Widows (husband died six months ago in mine fire)
	r= ns	-Survivor wives (husband survived mine fire)
	r=? p<?	Survivor wives (husband survived mine fire)
	r= ns	-Other miners wives (husband was not involved in mine fire)
	r=? p<?	Other miners wives (husband was not involved in mine fire)
O-HL/c/sq/v/3/ac	r= ns	-Widows (husband died six months ago in mine fire)
	r=? ns	Widows (husband died six months ago in mine fire)
	r= ns	-Survivor wives (husband survived mine fire)
	r=? ns	Survivor wives (husband survived mine fire)
	r= ns	-Other miners wives (husband was not involved in mine fire)

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r=?      ns      Other miners wives (husband was not involved in mine fire)

Study	BAHR 1980	Page in Report:	225
<i>Reported in:</i>	Bahr, H.H. & Harvey, C.D. Correlates of morale among the newly widowed The Journal of Social Psychology, 1980, vol 17, p.219-233		
<i>Population:</i>	Recently widowed miner's wives and controls, USA, 1972		
<i>Sample:</i>			
<i>Non-Response:</i>	Widows 39% , survivor wives 19% , other miners wives 48%		
<i>N:</i>	222		

### Measured Correlate

*Class:* Current contacts Code: S 6.2

*Measurement:* Direct question: "How many times did you telephone or visit your relatives or friends in the week preceding the interview".

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-BW/c/sq/l/10/b	r= ns	-Widows (husband died six months ago in mine fire)
	r=? ns	Widows (husband died six months ago in mine fire)
	r= ns	-Survivor wives (husband survived mine fire)
	r=? ns	Survivor wives (husband survived mine fire)
	r= ns	-Other miners wives (husband was not involved in mine fire)
	r=? ns	Other miners wives (husband was not involved in mine fire)

Study	BUTTE 1977	Page in Report:	362
Reported in:	Buttel, F.H. & Martinson, O.B. Ideology and social indicators of the quality of life Social Indicators Research, vol 4, 1977, p.353-369		
Population:	18+ aged, general public, Winconsin USA, 1974		
Sample:			
Non-Response:			
N:	548		

### Measured Correlate

Class: Current contacts Code: S 6.2

Measurement: Frequency of social participation with:  
 - friends  
 - relatives

Measured Values:

Error Estimates:

Remarks:

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
M-CO/u/mq/v/7/a	r=+.07 ns	Contacts with friends.
	r=-.12 p<.05	Contacts with relatives.

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<b>Study</b>	<b>DAVIS 1984</b>	<i>Page in Report:</i>
<i>Reported in:</i>	James A. Davis New money , an old man/lady and "two's company": subjective welfare in the NORC Social Indicators Research, vol. 15, pp. 319-350	
<i>Population:</i>	18+ aged, general public, English speaking, non-institutionalized, USA, 1972-82	
<i>Sample:</i>		
<i>Non-Response:</i>		
<i>N:</i>	13581	

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### **Measured Correlate**

*Class:* Current contacts Code: S 6.2

*Measurement:* Single direct questions: "How often do you spend a social evening with  
A Relatives

B Neighbours (someone who lives in  
your neighbourhood)

C Friends (who live outside the neighbourhood)

Frequency rated  
1 less than monthly  
2 once or several times a month  
3 once a week or more

*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/g/sq/v/3/d	G=+.12 ns tau=+.07 ns	% very happy: 1 34 2 33 3 37
	G=-.27	
	tau=-.16	% very happy: 1 34 2 37 3 33
	G=+.18 ns tau=+.11 ns	% very happy: 1 34 2 36 3 35 The relationships disappear largely when controlled for marital status.

Study	FOWLE 1969	Page in Report:	734
<i>Reported in:</i>	Fowler, F.J. ; McCalla, M.E. Correlates of morale among aged in greater Boston. Proceedings of the 77th Annual Convention, American Psycho- logical Association, 1969, p. 733-734.		
<i>Population:</i>	65+ aged, Metropolitan Boston, USA, 1965		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	1335		

### Measured Correlate

*Class:* Current contacts Code: S 6.2

*Measurement:* Index on number of contacts.

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
C-?/c/sq/v/4/a	p<.s	Unaffected by health and income.

<b>Study</b>	<b>GARRI 1973</b>	<i>Page in Report:</i>	201
<i>Reported in:</i>	Garrity, T.F. Social involvement and activeness as predictors of morale six months after first Social Science and Medicine, 1973, vol. 7, p. 199-207.		
<i>Population:</i>	White males, heart-attack survivors, Durham, North-Carolina, USA, 1970		
<i>Sample:</i>			
<i>Non-Response:</i>	20%		
<i>N:</i>	56		

### Measured Correlate

<i>Class:</i>	Current contacts Code: S 6.2
<i>Measurement:</i>	Sociability with relatives and friends, measured in terms of the average hours per week involvement.
<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-FH/c/sq/l/11/a	r=+.04	ns

Study	GRANE 1975	Page in Report:	703
<i>Reported in:</i>	Graney, M.J. Happiness and social participation in aging. Journal of Gerontology, 1975, vol. 30, p. 701-706.		
<i>Population:</i>	62-89 aged females, followed 4 years, USA, 1967-71		
<i>Sample:</i>			
<i>Non-Response:</i>	27%; 24% unattainable, 3% incomplete.		
<i>N:</i>	44		

### Measured Correlate

<i>Class:</i>	Current contacts Code: S 6.2
<i>Measurement:</i>	Direct question on frequency of face-to-face interaction: monthly or less / about once a week / more than weekly. Assessed at T2.
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-BB/cm/mq/v/2/a	tb=+.43 p<.01	Happiness assessed at T2.  Age 66-75: $\beta = +.52$ (01) Age 82-92: $\beta = +.50$ (01) Lower among age 76-81

Study	GRANE 1975	Page in Report:	703
<i>Reported in:</i>	Graney, M.J. Happiness and social participation in aging. Journal of Gerontology, 1975, vol. 30, p. 701-706.		
<i>Population:</i>	62-89 aged females, followed 4 years, USA, 1967-71		
<i>Sample:</i>			
<i>Non-Response:</i>	27%; 24% unattainable, 3% incomplete.		
<i>N:</i>	44		

### Measured Correlate

*Class:* Current contacts Code: S 6.2

*Measurement:* Direct question: 2 or less / 3 to 4 / 5 or more calls daily.  
Assessed at T2.

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-BB/cm/mq/v/2/a	tb=+.18 ns	Happiness assessed at T2.

Study	HERZO 1982/3	Page in Report:	84/5
Reported in:	Herzog, A.R., Rodgers, W.L. and Woodworth, J. Subjective Well-being among different age-groups. Research Report, Institute for Social Research, Survey Research Center, Univ. of Michigan, 1982, Ann Arbor, USA		
Population:	50+ aged, general public, USA, 1975		
Sample:			
Non-Response:			
N:	410		

### Measured Correlate

Class: Current contacts Code: S 6.2

Measurement: During 24-hour period prior to the interview, respondents reported each activity they engaged in (PARTICIPATION) and the time spent on each activity (DURATION) on an activity diary. Activities were coded into categories, one of which was "social relations and entertainment" such as visiting with others, going to a movie or a sports event.

Work status was measured by self-labeling by respondents and a question about engagement in work for pay at present. Self-labeled housewives were excluded.

Measured Values:

Error Estimates:

Remarks:

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-DT/u/sq/v/7/a	r=-.11 ns	PARTICIPATION: working males
	r=-.15 ns	retired males
	r=.00 ns	working females
	r=+.17 ns	retired females
	Beta=-.0 ns	working males
	Beta=-.1 ns	retired males
	Beta=-.0 ns	working females
	Beta=+.1 ns	retired females
	r=-.09 ns	DURATION: working males
	r=-.19 ns	retired males
	r=+.05 ns	working females

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r=+.30 p<.05	retired females
Beta=-.0 ns	working males
Beta=-.1 ns	retired males
Beta=+.0 ns	working females
Beta=-.2 ns	retired females

β controlled for self-reported health, income and age. Relations with 'participation' also controlled for 'duration' and relations with 'duration' also for participation.

Study	LOWEN 1975	Page in Report:	93
Reported in:	Lowenthal,M.F., Thurnher,M. & Chiriboga,D. Four stages of life: A comparative study of women and men facing transitions Jossey-Bass, 1975, San Francisco, USA		
Population:	People in transition, metropolis,USA, 1969		
Sample:			
Non-Response:			
N:	216		

## Measured Correlate

Class: Current contacts Code: S 6.2

Measurement: Respondents were asked to list their regular or scheduled interpersonal - expressive activities (intimacy, friendship and sociability). They were also asked what they did "yesterday". The number of mentions was recorded.

Measured Values:

Error Estimates:

Remarks: hs seniors males: r= ns females: r= ns newly weds males: r= ns females: r= ns  
middle aged males: r= ns females: r= ns preretired males: r= ns females: r= ns

## Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-Sum/u/mq/*/0/a	r= ns	Youngest (hs seniors + newly-weds)
	r= ns	Oldest (middle aged + preretired) hs seniors males: r= ns females: r= ns newly weds males: r= ns females: r= ns middle aged males: r= ns females: r= ns preretired males: r= ns females: r= ns

Study	LOWEN 1975	Page in Report:	93
Reported in:	Lowenthal,M.F., Thurnher,M. & Chiriboga,D. Four stages of life: A comparative study of women and men facing transitions Jossey-Bass, 1975, San Francisco, USA		
Population:	People in transition, metropolis,USA, 1969		
Sample:			
Non-Response:			
N:	216		

## Measured Correlate

Class: Current contacts Code: S 6.2

Measurement: Respondents were asked to list their regular or scheduled interpersonal - expressive activities (intimacy, friendship and sociability). They were also asked what they did "yesterday". The number of mentions was recorded.

Measured Values:

Error Estimates:

Remarks: hs seniors males: r= ns females: r= ns newly weds males: r= ns females: r= ns  
middle aged males: r= ns females: r= ns preretired males: r= ns females: r= -.42 (05)

## Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-BB/cw/mq/v/4/d	r=-.17 ns	Youngest (hs seniors + newly-weds)
	r= ns	Oldest (middle aged + preretired) hs seniors males: r= ns females: r= ns newly weds males: r= ns females: r= ns middle aged males: r= ns females: r= ns preretired males: r= ns females: r= -.42 (05)

Study	MICHA 1985	Page in Report:	376
Reported in:	Michalos, A.C. Multiple Discrepancies Theory Social Indicators Research vol 16 (1985) p.347-413		
Population:	Students undergraduates University of Guelph, Canada, 1984		
Sample:			
Non-Response:	18%		
N:	700		

### Measured Correlate

Class: Current contacts Code: S 6.2

Measurement: The mean of the scores on the closed questions concerning the satisfaction with quality and quantity of contact with:  
 - family members  
 - friends  
 both rated on a 7 point scale.  
 1: terrible...7: delightful.

Measured Values:

Error Estimates:

Remarks:

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-DT/c/sq/v/7/aa	Beta=+.2 p<.01	$\beta$ controlled for: <ul style="list-style-type: none"> <li>- life compared with wants</li> <li>- life compared with others</li> <li>- life compared with that deserved</li> <li>- life compared with best previous experience</li> <li>- self esteem</li> </ul>
O-HL/u/sq/v/7/a	Beta=+.2 p<.01	$\beta$ controlled for: <ul style="list-style-type: none"> <li>- life compared with wants</li> <li>- life compared with others</li> <li>- life compared with that deserved</li> <li>- life compared with best previous experience</li> <li>- self esteem</li> <li>- work status</li> </ul>

Study	MOSER 1969	Page in Report:	27
<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 contacts Code: S 6.2
<i>Measurement:</i>	Question on number of contacts with family, friends or acquaintances, during the past week 0-3 / 4-5 / 6 or more.
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-HL/c/sq/v/5/c	G=+.00 ns	U-shaped curve: Those who had 4 or 5 contacts being most happy.

<b>Study</b>	<b>SCHUL 1985B</b>	<i>Page in Report:</i>	114,T31
<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		

### Measured Correlate

<i>Class:</i>	Current contacts Code: S 6.2
<i>Measurement:</i>	Seven item index of direct questions on number, intensity and frequency of social relations. Rated on a 4-point scale ranging from 'none' to 'four or more'.
<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-QL?/c/mq/v/5/a	r=+.23	

Study	VENTE 1995	Page in Report:	354
<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 contacts Code: S 6.2
<i>Measurement:</i>	The quality of one's social relations. 1: very bad 2: bad 3: neither/nor 4: good 5: very good
<i>Measured Values:</i>	N: all:1456, 1:-, 2:12, 3:202, 4:881, 5:361
<i>Error Estimates:</i>	
<i>Remarks:</i>	The quality of one's social relations is calculated as weighted average giving equal weight to the domains self, partner, parents and children, family and friends of the questions 261-294 of the questionnaire

## Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-AOL/m/sq/v/5/a	r=+.30 p<.00	1: Mt=- 2: Mt=5. 21 3: Mt=6. 89 4: Mt=7. 78 5: Mt=8. 33 All Mt=7. 78
O-HL/c/sq/v/5/h	r=+.25 p<.00	1: Mt=- 2: Mt=5. 00 3: Mt=5. 95 4: Mt=6. 99 5: Mt=7. 53 All Mt=6. 96



Study	VENTE 1995	Page in Report:	166
<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 contacts Code: S 6.2
<i>Measurement:</i>	0: no daily personal contacts 1: daily personal contacts
<i>Measured Values:</i>	N 0:94, 1:410
<i>Error Estimates:</i>	
<i>Remarks:</i>	

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-AOL/m/sq/v/5/a	DMt=+	split up by satisfaction with sexlife (+/-) and employment sexlife - sexlife- sexlife+ sexlife+ unemployed employed unemployed employed 0: Ms=4. 59 6. 16 7. 00 8. 35 1: Ms=5. 84 7. 09 8. 40 8. 54
O-HL/c/sq/v/5/h	DMt=+	split up by satisfaction with sexlife (+/-) and employment sexlife - sexlife- sexlife+ sexlife+ unemployed employed unemployed employed 0: Ms=4. 16 5. 00 6. 25 7. 40 1: Ms=5. 00 5. 86 7. 69 7. 90
O-SLu/c/sq/v/5/e	DMt=+	split up by satisfaction with sexlife (+/-) and employment sexlife - sexlife- sexlife+ sexlife+ unemployed employed unemployed employed 0: Ms=3. 34 5. 00 7. 25 8. 05 1: Ms=5. 08 6. 59 7. 95 8. 28

Study	VENTE 1996	Page in Report:	376
<i>Reported in:</i>	Ventegodt, S. Livskvalitet hos 4500 31-33 årige (The Quality Of Life of 4500 31-33-year-olds) Forskningscenter for Livskvalitet, Forskningscentrets Forlag, København 1996, ISBN 8790190068		
<i>Population:</i>	Persons born at the University Hospital in Copenhagen 1959-1961		
<i>Sample:</i>	Non-probability purposive sample (unspecified)		
<i>Non-Response:</i>	39%		
<i>N:</i>	4500		

## Measured Correlate

<i>Class:</i>	Current contacts Code: S 6.2
<i>Measurement:</i>	The quality of the social relations 1: very bad 2: bad 3: neither/nor 4: good 5: very good
<i>Measured Values:</i>	N: All:4584; %:1:-; 2:1,0; 3:64,3; 4:64,4; 5:10,1
<i>Error Estimates:</i>	
<i>Remarks:</i>	

## Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-AOL/m/sq/v/5/a	r=+.31 p<.00	1: Mt=- 2: Mt=5.63 3: Mt=6.79 4: Mt=7.96 5: Mt=8.86
O-HL/c/sq/v/5/h	r=+.33 p<.00	1: Mt=- 2: Mt=4.64 3: Mt=6.23 4: Mt=7.23 5: Mt=8.29
O-SLu/c/sq/v/5/e	r=+.33 p<.00	1: Mt=- 2: Mt=4.74 3: Mt=6.35 4: Mt=7.68 5: Mt=8.66

Study	WARD 1979/1	Page in Report:	866
<i>Reported in:</i>	Ward, R.A. The never-married in later life Journal of Gerontology, 1979, vol. 34, no. 6, pp. 861-869		
<i>Population:</i>	50+ aged, non-institutionalized, USA, 1972-77		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	3557		

### Measured Correlate

*Class:* Current contacts Code: S 6.2

*Measurement:* Frequency of contact with:  
 - relatives  
 - neighbors  
 - friends

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-HL/c/sq/v/3/ag	r=+ p<.05	Married $r = +.06$ (05) $r = +.06$ (05) $r = +.11$ (05)
		Never-married $r = +.04$ (ns) $r = +.10$ (ns) $r = +.29$ (05)
		Divorced and married subjects left out

Study	BAKKE 1974	Page in Report:	27
<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		

### Measured Correlate

<i>Class:</i>	Concern about personal contacts Code: S 6.3.1
<i>Measurement:</i>	Direct question rated on a graphic scale ranging from 'certainly not' to 'very much'.
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-HP/g/sq/ol/7/a	G=+.26	

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<b>Study</b>	<b>JONG 1969</b>	<i>Page in Report:</i>
<i>Reported in:</i>	Jong-Gierveld, J. de The unmarried. (In Dutch: De ongehuwden). Samson Publ. 1969, Alphen a/d Rijn, The Netherlands.	
<i>Population:</i>	30-55 aged, general public, Amsterdam, The Netherlands, 1965	
<i>Sample:</i>		
<i>Non-Response:</i>	31%;	
<i>N:</i>	600	

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### Measured Correlate

*Class:* Concern about personal contacts Code: S 6.3.1

*Measurement:* 5-item index of agree / disagree statements on possibilities to relax when alone, like to be alone, obligations towards others and too close ties with others as a consequence of social participation.

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SL?/?/sq/v/5/a	r=- p<	Never married males : r = +.05 Married males : r = -.05 Never married females: r = -.61 Married females : r = -.28

Study	MOSER 1969	Page in Report:	43
<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

*Class:* Concern about personal contacts Code: S 6.3.1

*Measurement:* 4-item index of closed questions indicating preference for individual activity.

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-HL/c/sq/v/5/c	r=-.15	ns

Study	SYMON 1937	Page in Report:	292
<i>Reported in:</i>	Symonds, P.M. Happiness as related to problems and interests Journal of Educational Psychology, 1937, vol. 28, p. 290-294		
<i>Population:</i>	High school pupils and college students, USA, 1937?		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	1651		

### Measured Correlate

*Class:* Concern about personal contacts Code: S 6.3.1

*Measurement:* Closed question

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-CP/g/sq/v/7/a	DM= ns	
	SNR= ns	

Study	WARR 1976	Page in Report:	116
<i>Reported in:</i>	Warr, P. A study of psychological well-being British Journal of Psychol.1978, vol.69, 111-121		
<i>Population:</i>	Steel workers, six months after closure of their plant, Manchester, U.K., 1976		
<i>Sample:</i>			
<i>Non-Response:</i>	9 % (4 % ill, 5 % refused), 13 % not contacted		
<i>N:</i>	1655		

### Measured Correlate

*Class:* Concern about personal contacts Code: S 6.3.1

*Measurement:* Single closed question concerning anxiety about Ss relations with neighbours in the past few weeks rated on an 11-point scale from 'not at all' to 'a great deal'

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-HL/c/sq/n/7/a	r=-.08	

Study	WEBB 1915/2	Page in Report:	27
<i>Reported in:</i>	Webb, E. Character and intelligence. An attempt at an exact study of character. London, 1915, Cambridge University Press.		
<i>Population:</i>	±12 aged, male school pupils, London, England, 1912		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	140		

### Measured Correlate

*Class:* Concern about personal contacts Code: S 6.3.1

*Measurement:* Class-mastere rating on a 7-point scale on the basis of observation during 6 months.

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-CP/g/rdt/ro/7/a	r=+.58	

Study	JONG 1969	Page in Report:	22
<i>Reported in:</i>	Jong-Gierveld, J. de The unmarried. (In Dutch: De ongehuwden). Samson Publ. 1969, Alphen a/d Rijn, The Netherlands.		
<i>Population:</i>	30-55 aged, general public, Amsterdam, The Netherlands, 1965		
<i>Sample:</i>			
<i>Non-Response:</i>	31%;		
<i>N:</i>	600		

### Measured Correlate

*Class:* Perceived amount of pleasant contacts Code: S 6.3.2

*Measurement:* Direct questions on number of social contacts one does not appreciate.

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-SL?/?/sq/v/5/a	r=-	Never married males : r = +.08 Married males : r = -.10 Never married females: r = -.05 Married females : r = +.03

<b>Study</b>	<b>ABRAM 1981</b>	<i>Page in Report:</i>	570
<i>Reported in:</i>	Abramson, M., Angers, W., Cherepon, J., Kohut, M. and Lalouch, H.		
	Pilot analysis of a happiness questionnaire		
	Psychological Reports, 1981, Vol. 48, p. 570		
<i>Population:</i>	20-65 aged, general public, USA, 198?		
<i>Sample:</i>	Probability stratified sample		
<i>Non-Response:</i>			
<i>N:</i>	125		

### Measured Correlate

*Class:* Satisfaction with personal contacts Code: S 6.3.3

*Measurement:* Are you happy with your personal relationships?

1 No

2 Yes

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
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O-HL/u/sq/v/3/c	r=+	p<.05
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Study	BATIS 1996	Page in Report:	159+168
<i>Reported in:</i>	Batista-Foquet, J.M., Coenders, G. & Sureda-Pascual, J. A Comparative Study of Satisfaction with Life in Europe: "Satisfaction in Catalonia, Eotvos University Press, Budapest 1996, pp 155-174.		
<i>Population:</i>	16+ aged, general public, Catalonia, Spain, 1989		
<i>Sample:</i>	Probability stratified sample		
<i>Non-Response:</i>	not reported		
<i>N:</i>	406		

### Measured Correlate

<i>Class:</i>	Satisfaction with personal contacts Code: S 6.3.3	
<i>Measurement:</i>	Single question: "How satisfied are you recently with your social contacts?" 1. completely satisfied 2. satisfied 3. neither satisfied nor dissatisfied 4. satisfied 5. completely satisfied	
<i>Measured Values:</i>	$M= 3.98$ ; $SD= 0.94$	
	Scale	%
	1.	1.7
	2.	5.7
	3.	17.7
	4.	43.1
	5.	31.8
<i>Error Estimates:</i>		
<i>Remarks:</i>		

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-SLW/c/sq/v/5/e	$r=+.39$	
	$r=+.59$	rp corrects for random and systematic measurement error.

Study	BOELH 1999	Page in Report:	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:* Satisfaction with personal contacts Code: S 6.3.3

*Measurement:* Single question: "Do you feel socially isolated?"  
 1 very socially isolated  
 2 neutral  
 3 not socially isolated

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-HP/u/sq/v/5/a	r=+.29    p<.05	1997

Study	GEHMA 1987	Page in Report:	150
Reported in:	Gehmacher, E. Gebaute Gemeinschaft (Built community: effects of architecture on social contacts Sozial Wissenschaftliche Rundschau (SWS) vol 27, 1987, page 147-156		
Population:	Residents housing estates, Vienna, Austria, 1987		
Sample:			
Non-Response:	?		
N:	218		

### Measured Correlate

Class:	Satisfaction with personal contacts	Code: S 6.3.3
Measurement:	Single direct question rated on a 1-5 step scale.	
Measured Values:		
Error Estimates:		
Remarks:	β controlled for satisfaction with housing, leisure and activities.	

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
M-FH/cm/sq/v/5/a	r=+.40 Beta=+.3 p<.01	- high β=+.21 - low β=+.33 β controlled for satisfaction with housing, leisure and activities.
O-SLL/c/sq/v/5/b	r=+.46 Beta=+.2 p<.01	Contact-facilities in housing estate - high β = +.29 - low β = +.16

Study	HEADE 1981	Page in Report:	166
<i>Reported in:</i>	Headey, B. The Quality of Life in Australia Social Indicators Research, 1981, Vol. 9, 155-181		
<i>Population:</i>	Adults, general public, Australia 1978		
<i>Sample:</i>	Probability sample (unspecified)		
<i>Non-Response:</i>	not reported		
<i>N:</i>	679		

### Measured Correlate

<i>Class:</i>	Satisfaction with personal contacts Code: S 6.3.3
<i>Measurement:</i>	Index of 4 single questions on satisfaction with: a: The people you see socially b: Your friends c: The friends of opposite sex you have d: How much you are accepted and included by others All scored on a 1-9 rating scale, summation by average.
<i>Measured Values:</i>	M = 7.1 SD = 0.9
<i>Error Estimates:</i>	
<i>Remarks:</i>	All items scored on the same rating scale as the question on happiness.

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-DT/u/sqt/v/9/a	r=+.49 p<.001 Beta=+.0	all cases Beta's controlled for satisfaction with - self-fulfillment - sex life - problem handling - family activities - work around the house - mother - health - house - standard of living - assertiveness - fun and enjoyment - marriage

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Beta=+.0	<p>married cases Beta's controlled for satisfaction with</p> <ul style="list-style-type: none"><li>- self-fulfillment</li><li>- sex life</li><li>- problem handling</li><li>- family activities</li><li>- work around the house</li><li>- mother</li><li>- health</li><li>- house</li><li>- standard of living</li><li>- assertiveness</li><li>- fun and enjoyment</li><li>- marriage</li></ul>
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Study	VENTE 1995	Page in Report:	348
<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>	Satisfaction with personal contacts Code: S 6.3.3
<i>Measurement:</i>	Single question: "How satisfied are you at present with your relations with friends?" 1: very dissatisfied 2: dissatisfied 3: neither/nor 4: satisfied 5: very satisfied
<i>Measured Values:</i>	N: all:1460, 1:6, 2:25, 3:133, 4:732, 5:564
<i>Error Estimates:</i>	
<i>Remarks:</i>	

## Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-AOL/m/sq/v/5/a	r=+.26 p<.00	1: Mt=5.00 2: Mt=6.00 3: Mt=6.79 4: Mt=7.66 5: Mt=8.28 All Mt=7.78
O-HL/c/sq/v/5/h	r=+.29 p<.00	1: Mt=4.16 2: Mt=5.40 3: Mt=5.93 4: Mt=6.79 5: Mt=7.53 All Mt=6.96



Study	VENTE 1995	Page in Report:	408
<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>	Satisfaction with personal contacts Code: S 6.3.3
<i>Measurement:</i>	Satisfaction with relations 1: very dissatisfied 2: dissatisfied 3: neither/nor 4: satisfied 5: very satisfied
<i>Measured Values:</i>	N: all:1342, 1:1, 2:6, 3:184, 4:925, 5:226
<i>Error Estimates:</i>	
<i>Remarks:</i>	Made up as weighted mean from the questions: How satisfied are you at present with your..... Health, financial circumstances, partner, parents, children, friends, acquaintances, community around you, job?

## Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-AOL/m/sq/v/5/a	r=+.47 p<.00	1: Mt=- 2: Mt=2. 91 3: Mt=5. 85 4: Mt=7. 90 5: Mt=9. 16 All Mt=7. 81
O-HL/c/sq/v/5/h	r=+.52 p<.00	1: Mt=- 2: Mt=2. 5 3: Mt=5. 16 4: Mt=6. 99 5: Mt=8. 55 All Mt=6. 98



Study	VENTE 1996	Page in Report:	368
<i>Reported in:</i>	Ventegodt, S. Livskvalitet hos 4500 31-33 årige (The Quality Of Life of 4500 31-33-year-olds) Forskningscenter for Livskvalitet, Forskningscentrets Forlag, København 1996, ISBN 8790190068		
<i>Population:</i>	Persons born at the University Hospital in Copenhagen 1959-1961		
<i>Sample:</i>	Non-probability purposive sample (unspecified)		
<i>Non-Response:</i>	39%		
<i>N:</i>	4500		

## Measured Correlate

<i>Class:</i>	Satisfaction with personal contacts Code: S 6.3.3
<i>Measurement:</i>	Single question: "How satisfied are you at present with your relations with your friends?" 1: very dissatisfied 2: dissatisfied 3: neither/nor 4: satisfied 5: very satisfied
<i>Measured Values:</i>	N: All:4607; %: 1:0,7; 2:3,3; 3:10,7; 4:50,0; 5:35,4
<i>Error Estimates:</i>	
<i>Remarks:</i>	

## Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-AOL/m/sq/v/5/a	r=+.32 p<.00	1: Mt=4. 66 2: Mt=6. 14 3: Mt=6. 49 4: Mt=7. 65 5: Mt=8. 45
O-HL/c/sq/v/5/h	r=+.31 p<.00	1: Mt=4. 59 2: Mt=5. 41 3: Mt=5. 98 4: Mt=6. 90 5: Mt=7. 69
O-SLu/c/sq/v/5/e	r=+.35 p<.00	1: Mt=3. 84 2: Mt=5. 56 3: Mt=6. 08 4: Mt=7. 33 5: Mt=8. 20

Study	VENTE 1996	Page in Report:	432
Reported in:	Ventegodt, S. Livskvalitet hos 4500 31-33 årige (The Quality Of Life of 4500 31-33-year-olds) Forskningscenter for Livskvalitet, Forskningscentrets Forlag, København 1996, ISBN 8790190068		
Population:	Persons born at the University Hospital in Copenhagen 1959-1961		
Sample:	Non-probability purposive sample (unspecified)		
Non-Response:	39%		
N:	4500		

## Measured Correlate

Class:	Satisfaction with personal contacts Code: S 6.3.3
Measurement:	Satisfaction with relations 1: very dissatisfied 2: dissatisfied 3: neither/nor 4: satisfied 5: very satisfied
Measured Values:	N: All:4465; %:1:-; 2:1,3; 3:20,3; 4:64,7; 5:13,7
Error Estimates:	
Remarks:	Made up as weighted mean from the questions: How satisfied are you at present with your..... Health, financial circumstances, partner, parents, children, friends, acquaintances, community around you, local natural environment, job?

## Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-AOL/m/sq/v/5/a	r=+.51 p<.00	1: Ms=- 2: Ms=3. 51 3: Ms=6. 03 4: Ms=7. 91 5: Ms=9. 31
O-HL/c/sq/v/5/h	r=+.56 p<.00	1: Ms=- 2: Ms=3. 53 3: Ms=5. 20 4: Ms=7. 28 5: Ms=8. 80
O-SLu/c/sq/v/5/e	r=+.55 p<.00	1: Ms=- 2: Ms=3. 16 3: Ms=5. 43 4: Ms=7. 76 5: Ms=9. 19

Study	ANDRE 1976/1	Page in Report:	112
<i>Reported in:</i>	Andrews, F.M. & Withey, S.B. Social Indicators of Well-being: Americans' Perceptions of Life Quality Plenum Press, 1976. New York, USA		
<i>Population:</i>	18+ aged, general public, non-institutionalized, USA, 1972/75		
<i>Sample:</i>			
<i>Non-Response:</i>	24%		
<i>N:</i>	1297		

### Measured Correlate

*Class:* . satisfaction with opportunities for contact Code: S 6.3.3.1

*Measurement:* Closed question: "How do you feel about the chance you have to know people with whom you can really feel comfortable?" Rated on a 7-point scale: terrible/ unhappy/ mostly dissatisfied/ mixed/ mostly satisfied/ pleased/ delighted

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-DT/u/sqt/v/7/a	$E^2=+.31$	Unaffected by sex

Study	ANDRE 1976/1	Page in Report:	112
Reported in:	Andrews, F.M. & Withey, S.B. Social Indicators of Well-being: Americans' Perceptions of Life Quality Plenum Press, 1976. New York, USA		
Population:	18+ aged, general public, non-institutionalized, USA, 1972/75		
Sample:			
Non-Response:	24%		
N:	1297		

## Measured Correlate

Class: . satisfaction with opportunities for contact Code: S 6.3.3.1

Measurement: Closed question: "How do you feel about how you get on with other people?"  
Rated on a 7-point scale: terrible/unhappy/ mostly dissatisfied/mixed/mostly satisfied/ pleased/delighted

Measured Values:

Error Estimates:

Remarks:

## Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-DT/u/sqt/v/7/a	$E^2=+.31$	Unaffected by sex

<b>Study</b>	<b>SCHUL 1985A</b>	<i>Page in Report:</i>	1168
<i>Reported in:</i>	Schulz,R. & Decker,S. Long term adjustment to physical disability: The role of social support, control and Journal of Personality and Social Psychology, 1985, vol.48, 1162-1172		
<i>Population:</i>	40+ aged, spinal-cord-injured, non-institutionalised, Portland Oregon, USA, 198?		
<i>Sample:</i>			
<i>Non-Response:</i>	4%		
<i>N:</i>	100		

### Measured Correlate

*Class:* . satisfaction with amount of personal contacts Code: S 6.3.3.2

*Measurement:* Single direct question on amount of social contact, rated on a 3 point scale.

*Measured Values:*

*Error Estimates:*

*Remarks:* 70% reported high satisfaction, 20% moderate,  
10% low.

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-BB/u/mq/v/3/a	r=+.43	70% reported high satisfaction, 20% moderate, 10% low.

<b>Study</b>	<b>SNIDE 1980</b>	<i>Page in Report:</i>	257-258
<i>Reported in:</i>	Snider, E.L. Explaining lifesatisfaction: It's the elderly's attitude that counts. Social Science Quarterly, 1980, vol. 61, nr 2, p. 253-263		
<i>Population:</i>	65+ aged, retired whites, Edmonton, Canada, 1976		
<i>Sample:</i>			
<i>Non-Response:</i>	10%		
<i>N:</i>	428		

### Measured Correlate

*Class:* . satisfaction with amount of personal contacts Code: S 6.3.3.2

*Measurement:* Single direct question rated on a 3-point scale with the choice statements: 'less', 'same' and 'more'.

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLu/g/sq/v/3/a	r=-.07 ns	
	tb=-.08 ns	
	Dyx=-.09 ns	

Study	SCHUL 1985A	Page in Report:	1168
<i>Reported in:</i>	Schulz,R. & Decker,S. Long term adjustment to physical disability: The role of social support, control and Journal of Personality and Social Psychology, 1985, vol.48, 1162-1172		
<i>Population:</i>	40+ aged, spinal-cord-injured, non-institutionalised, Portland Oregon, USA, 198?		
<i>Sample:</i>			
<i>Non-Response:</i>	4%		
<i>N:</i>	100		

### Measured Correlate

*Class:* . satisfaction with quality of personal contacts Code: S 6.3.3.3

*Measurement:* Closed question on satisfaction with quality of social contacts, rated on a 3-point scale.

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-BB/u/mq/v/3/a	r=+.49	

## **Appendix 1      Queries on Happiness used in reported Studies**

Happiness Query Code    Full Text

A-AOL/m/sq/v/5/a      Single direct question:  
 'How are you feeling now....?'  
 5 very good  
 4 good  
 3 neither good nor poor  
 2 poor  
 1 very poor

Original text in Danish:  
 'Hvordan har du det for tiden?  
 5 meget godt  
 4 godt  
 3 hverken godt eller dårligt  
 2 dårligt  
 1 meget dårligt

A-BB/cm/mq/v/2/a      Selfreport on 10 questions:

"During the past few weeks, did you ever feel ....?" (yes/no)  
 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 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  
 1 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

Name : Bradburn's "Affected Balance Scale' (modified version)  
 Selfreport on 8 questions.

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

"During the past week, did you ever feel.....?"

A very lonely  
 B restless  
 C bored  
 D depressed  
 E on top of the world  
 F exited or interested  
 G pleased about accomplishment  
 H proud

Answer options:

1 never  
 2 once  
 3 several times  
 4 often

Summation:

- Positive Affect Score (PAS): E+F+G+H
- Negative Affect Score (NAS): A+B+C+D

---

-Affect Balance Score (ABS): PAS-NAS+13

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

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

A-BB/u/mq/v/3/a

Name: Bradburn's 'Affect Balance Scale' (modified version)  
Selfreport on 8 questions:

"Here is a list that describes some of the ways people feel at different times. How often do you feel each of these ways?"

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

Answer options:

---

0 never  
1 sometimes  
2 often

Summation:

Positive Affect Score (PAS): summed scores on F, G, H

Negative Affect Score (NAS): summed scores on A, B, C, D, E

Affect Balance Score (ABS): PAS minus NAS

Possible range -10 to +6 (transformed to ridits (0 - 1))

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

A-CP/g/rdt/ro/7/a

Teacher rating on single question:

- 1 Personal qualities are named and briefly annotated in this schedule.
2. In the columns under each pupil's name, place one of the marks for each of the qualities specified (+3, +2, +1, 0, -1, -2, -3) To avoid errors, please put the + sign as well as the -

'General tendency to be 'cheerful' (as opposed to being depressed and low spirited)

+3 very high compared to average  
+2 distinctly above average  
+1 slightly above average  
0 average  
-1 slightly below average  
-2 distinctly below average  
-3 lowest as compared to average

A-CP/g/sq/v/7/a

Selfreport on single question:

"Check one of the following groups of adjectives which best describes you."

7 full of deep joy, excitedly happy, enthusiastic, thrilled  
6 cheerful, successful, optimistic, lighthearted  
5 satisfied, comfortable, life goes smoothly, peaceful  
4 contented at times and at other times discontented, life has both favorable and unfavorable features  
3 restless, impatient, uncertain, dull, cross, confined  
2 anxious, irritated, discouraged, disappointed, discontented  
1 gloomy, miserable, a failure, no pleasure in anything

C-?/c/sq/v/4/a

Selfreport on single question:

"In general, how good would you say your spirits are these days....?"

4 excellent  
3 very good  
2 fair  
1 poor

C-ASG/h/mq/v/5/a

Selfreport on 2 questions:

A. "How important was each of the following goals in life in the plans you made for yourself in early adulthood?"

- occupational success

- family life
- friendships
- richness of cultural life
- total service to society.

1 less important to me than to most people  
 2  
 3  
 4  
 5 of prime importance to me

B. "How successful have you been in the pursuit of these goals?"

1 little satisfaction in this area  
 2  
 3  
 4  
 5 had excellent fortune in this respect

Computation: General Satisfaction 5 is the quotient obtained by multiplying the planned goal (early adulthood) by the reported success in attaining that goal, adding the five of these multiplied areas and dividing them by the sum of the planned goals for each of the areas.

$$\frac{Pa.Sa + Pb.Sb + Pc.Sc + Pd.Sd + Pe.Se}{Pa + Pb + Pc + Pd + Pe}$$

Pa = planned goal a (1-5)  
 Sa = success goal a (1-5)

Selfreport on 3 questions:

A How do you feel about what you are accomplishing in life?  
 B How do you feel about your life as a whole?  
 C In general, how happy would you say you are these days?

Answer options:

7 completely satisfied  
 6 very satisfied  
 5 satisfied  
 4 satisfied - dissatisfied  
 3 dissatisfied  
 2 very dissatisfied  
 1 completely dissatisfied

Possible range 3 - 21

Selfreport on single question:

Lead item not reported.  
 11 the happiest I could be  
 10  
 9  
 8  
 7  
 6

5  
4  
3  
2  
1 the saddest I could be

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 wurden 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

O-BW/c/sq/l/10/b

Selfreport on single question:

"Here is a picture of a ladder. Suppose we say that the top of the ladder (10) represents the best possible life for you and the bottom (1) represents the worst possible life for you. Where on the ladder do you feel personally stand at the present time?

[ 10 ] best possible life for you  
[ 9 ]  
[ 8 ]  
[ 7 ]  
[ 6 ]  
[ 5 ]  
[ 4 ]  
[ 3 ]  
[ 2 ]  
[ 1 ] worst possible life for you

Name: Cantril's selfanchoring ladder rating of life (adapted version)

O-DT/c/sq/v/7/aa

Selfreport on single question:

"How do you feel about your life as a whole right now.....?"

7 delightfull  
6 very satisfying  
5 satisfying  
4 mixed  
3 dissatisfying  
2 very dissatisfying  
1 terrible

---

	No opinion
O-DT/u/sq/v/7/a	<p>Name: Andrews &amp; Withey's 'Delighted-Terrible Scale' ( modified version)</p> <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>
O-DT/u/sqt/v/7/a	<p>Name: Andrews &amp; Withey's 'Delighted-Terrible Scale' (original version)</p> <p>Selfreport on single question, asked twice in interview:</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>
O-DT/u/sqt/v/9/a	<p>Summation: arithmetic mean</p> <p>Name: Andrews &amp; Withey's "Delighted-Terrible Scale" (original version)</p> <p>Selfreport on single question asked twice</p> <p>'How do you feel about your life as a whole?'</p> <p>1 terrible 2 very unhappy 3 unhappy 4 mostly dissatisfied 5 mixed feelings 6 mostly satisfied 7 pleased 8 very pleased 9 delighted</p>
O-HL/c/sq/n/7/a	<p>Selfreport on single question:</p> <p>"Here are some words and phrases. We would like you to use these in describing how you feel about your present life."</p> <p>1 unhappy 2 3 4 5 6</p>

	7 happy
	(originally presented horizontally)
O-HL/c/sq/v/3/ac	Item in Campbell's semantic differential Selfreport on single question:  "Taken all together, how would you say things are these days? Would you say you are....?" 1 not too happy 2 relatively happy 3 very happy
O-HL/c/sq/v/3/ag	Selfreport on single question:  "Taken all things together, how would you say things are these days. Wouyld you say you were....?" 1 not too happy 2 pretty happy 3 very happy
O-HL/c/sq/v/5/c	Selfreport on single question:  "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
O-HL/c/sq/v/5/h	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  'How happy are you now?' 5 very happy 4 happy 3 neither happy nor unhappy 2 unhappy 1 very unhappy  Original text in Danish: 'Hvor lykkelig er du for tiden?' 5 meget lykkelig 4 lykkelig 3 hverken eller 2 ulykkelig 1 meget ulykkelig

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O-HL/g/sq/v/3/d	<p>Selfreport on single question:</p> <p>"Generally speaking, how happy would you say you are.....?"</p> <p>3 very happy 2 fairly happy 1 not too happy</p>
O-HL/u/sq/v/3/c	<p>Selfreport on single question:</p> <p>"Would you say:.....?"</p> <p>1 You are unhappy? 2 You are reasonably happy? 3 You are happy ?</p>
O-HL/u/sq/v/7/a	<p>Selfreport on single question:</p> <p>"Considering your life as a whole, would you describe it as.....?"</p> <p>1 very happy 2   unhappy 3 4 an even mixture of unhappiness and happiness 5   happy 6 7 very happy no opinion</p>
O-HP/q/sq/ol/7/a	<p>Selfreport on single question:</p> <p>"Generally speaking are you a happy person.....?"</p> <p>Responses were made on an open line scale, and were later coded in 7 categories:</p> <p>1 very unhappy 2 3 4 5 6 7 very happy.</p>
	<p>Original text in Dutch:</p> <p>"Bent u over het algemeen een gelukkig mens?"</p> <p>a zeer ongelukkig b c d e f g zeer gelukkig</p>
O-HP/u/sq/v/5/a	<p>Selfreport on single question</p> <p>"To what extend do you consider yourself a happy person....?"</p>

---

---

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 mäsig  
 b eher gering  
 a sehr gering  
 - keine Angabe

O-SL?/?/sq/v/5/a

Selfreport on single question:

"..... satisfaction with life ...."  
 (full question not reported)

5 very satisfied  
 4 satisfied  
 3 don't know/satisfied  
 2 don't know/not satisfied  
 1 disappointed in life

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 furhren.....?"

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

O-SLu/c/sq/v/5/e

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

Selfreport on single question:

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

1 not very satisfied  
 2 fairly satisfied  
 3 very satisfied

Selfreport on single question:

"How satisfied are you recently with your life as a whole....?"

1 completely dissatisfied  
 2 dissatisfied  
 3 neither satisfied nor dissatisfied  
 4 satisfied  
 5 completely satisfied

Selfreport on 3 questions:

A."Dissatisfied" and "Unhappy" responses on the Block (1961) Adjective Rating List.

B. Overall happiness. Single direct question: "Taking all things together, how would you say things are these days? Would you say you are .....?"

3 very happy  
 2 pretty happy  
 1 not too happy

C. Present-year score on Life-Evaluation Chart, ranging from:

1 low  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9 high

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**

Symbol	Explanation
AoV	<p>ANALYSIS of VARIANCE (ANOVA)  Type: statistical procedure  Measurement level: Correlate(s): nominal, Happiness: metric.  In an ANOVA, the total happiness variability, expressed as the sum of squares, is split into two or more parts, each of which is assigned to a source of variability. At least one of those sources is the variability of the correlate, in case there is only one, and always one other is the residual variability, which includes all unspecified influences on the happiness variable. Each sum of squares has its own number of degrees of freedom (df), which sum up to <math>N - 1</math> for the total variability. If a sum of squares (SS) is divided by its own number of df, a mean square (MS) is obtained. The ratio of two correctly selected mean squares has an F-distribution under the hypothesis that the corresponding association has a zero-value.</p> <p>NOTE: A significantly high F-value only indicates that, in case of a single correlate, the largest of the c mean values is systematically larger than the smallest one. Conclusions about the other pairs of means require the application of a Multiple Comparisons Procedure (see e.g. BONFERRONI's MULTIPLE COMPARISON TEST, DUNCAN's MULTIPLE RANGE TEST or STUDENT-NEWMAN-KEULS)</p>
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>
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>
Dyx	SOMERS' ASYMMETRIC TEST STATISTIC

	<p>Type: test statistic        Measurement level: Correlate: ordinal, Happiness: ordinal        Range: [-1; +1]</p> <p>Meaning:  <math>D_{yx} = 0</math> «no rank correlation  <math>D_{yx} = +1</math> «strongest possible rank correlation, where high correlate values correspond with high happiness ratings.  <math>D_{yx} = -1</math> «strongest possible rank correlation, where high correlate values correspond with low happiness ratings.</p>
$E^2$	<p>CORRELATION RATIO (Elsewhere sometimes called <math>h^2</math> or ETA)</p> <p>Type: test statistic        Measurement level: Correlate: nominal or ordinal, Happiness: metric        Range: [0; 1]</p> <p>Meaning: correlate is accountable for <math>E^2 \times 100\%</math> of the variation in happiness.  <math>E^2 = 0</math> « knowledge of the correlate value does not improve the prediction quality of the happiness rating.  <math>E^2 = 1</math> « knowledge of the correlate value enables an exact prediction of the happiness rating</p>
G	<p>GOODMAN &amp; KRUSKAL's GAMMA</p> <p>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 with low happiness ratings.</p>
r	<p>PRODUCT-MOMENT CORRELATION COEFFICIENT (Also "Pearson's correlation coefficient" or simply 'correlation coefficient')</p> <p>Type: test statistic.        Measurement level: Correlate: metric, Happiness: metric        Range: [-1; +1]</p> <p>Meaning:  <math>r = 0</math> « no correlation ,  <math>r = 1</math> « perfect correlation, where high correlate values correspond with high happiness values, and  <math>r = -1</math> « perfect correlation, where high correlate values correspond with low happiness values.</p>
SNR	<p>Statistic Not Reported</p>
tau	<p>GOODMAN &amp; KRUSKAL's TAU</p> <p>Type: descriptive statistic only.        Measurement level: Correlate: nominal, Happiness: ordinal        Range: [0; +1]</p> <p>Meaning:  <math>\tau = 0</math> « knowledge of the correlate value does not improve the prediction quality</p>

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.

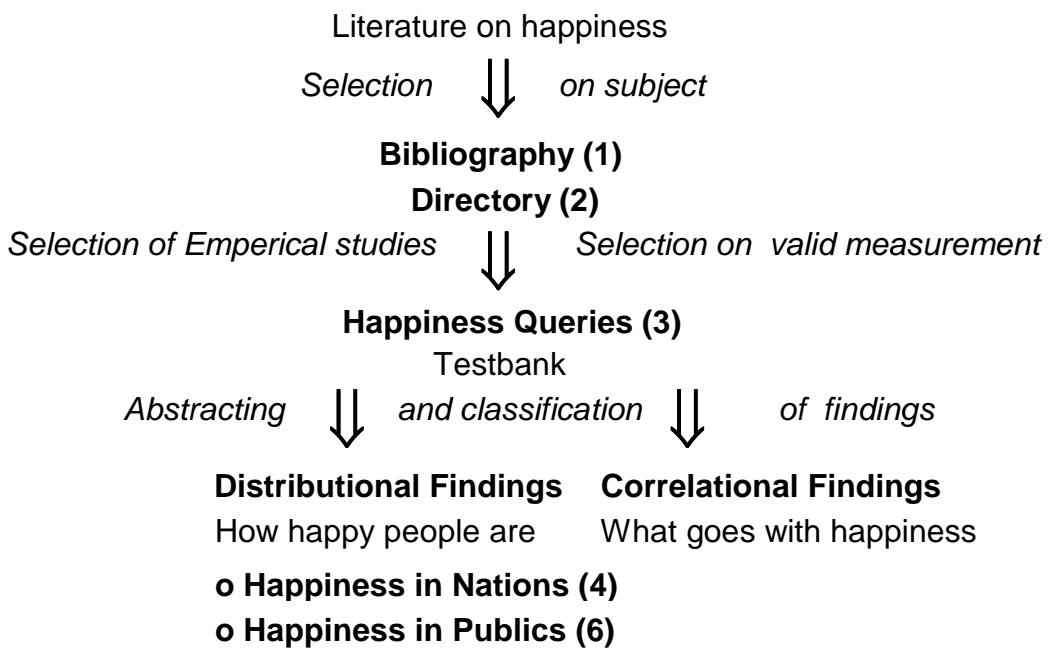
tb = -1 « perfect rank correlation, where high values of the correlate correspond with low happiness ratings.

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.

## Appendix 3: About the World Database of Happiness

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:



- 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*

Main Category's	Category Name	Number of Studies in this Category
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

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

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

## Appendix 5 *Related Topics*

<b><i>This Topic</i></b>		<b><i>Related Topics</i></b>	
<i>Classification Page 1</i>		<i>In Subject List on Appendix 4</i>	
S 6	SOCIAL PARTICIPATION: PERSONAL CONTACTS	T 1.4	Current time-usage
S 6.1	Contact career	L 3.3.2	Specific leisure activities
S 6.1.1	Earlier personal contacts	S 8.1	Participation career
S 6.1.1.1	. earlier amount of personal contacts		
S 6.1.1.2	. earlier satisfaction with personal contacts	S 6.3	Attitudes to personal contacts
S 6.1.2	Change in personal contacts		
S 6.1.2.1	. change in amount of personal contacts		
S 6.1.2.2	. change in satisfaction with personal contacts	S 6.3	Attitudes to personal contacts
S 6.1.4	Later personal contacts		
S 6.2	Current contacts	S 8.2	Current total social participation
S 6.3	Attitudes to personal contacts		
S 6.3.1	Concern about personal contacts		
S 6.3.2	Perceived amount of pleasant contacts		
S 6.3.3	Satisfaction with personal contacts	F 6.6.2	Satisfactions with friends
S 6.3.3.1	. satisfaction with opportunities for contact	I 6.4.2	Perceived opportunities for contacts
S 6.3.3.2	. satisfaction with amount of personal contacts		
S 6.3.3.3	. satisfaction with quality of personal contacts		

**End of Report**