



World Database of Happiness

Correlational Findings

© on data collected: Ruut Veenhoven, Erasmus University Rotterdam

Findings on Happiness & ATTITUDES

Correlate Code: A 8

Classification of Findings		Number of Studies
<i>Correlate Code</i>	<i>Correlate Name</i>	<i>on this Subject</i>
A 8	ATTITUDES	0
A 8.1	Attitudinal career	0
A 8.1.1	Earlier attitudes	1
A 8.1.2	Change in attitudes	0
A 8.1.4	Later attitudes	0
A 8.2	Current attitudes	0
A 8.3	Own attitudinal organization	0
A 8.3.1	Attitudinal rigidity	1
A 8.3.2	Attitudinal consistency	2
A 8.3.3	Attitudinal stability	0
A 8.4	Attitudes of others	0
A 8.5	Attitudinal consonance	0
A 8.6	Attitude to attitudinal climate	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
-

Cite as: Veenhoven, R.: Findings on Happiness & ATTITUDES
World Database of Happiness. Internet: www.eur.nl/fsw/research/happiness
Erasmus University Rotterdam, 2003, Netherlands

Study	SEARS 1977A	<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 attitudes Code: A 8.1.1

Measurement: Single direct question: "Ever wished to be a member of the opposite sex?"

Assessed in 1940

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	Earlier wish (1940) by present happiness (1972).
M-PL/h/sq/v/5/b	Chi ² = ns	

Study	CLEME 1980/3	<i>Page in Report:</i>	102
<i>Reported in:</i>	Clement, F. Variation of several characteristics of personality in function, especially age, sexe Psychologie Francaise (1980), vol. 25, p. 95 - 113.		
<i>Population:</i>	Adult women, France, 1975		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	1893		

Measured Correlate

<i>Class:</i>	Attitudinal rigidity Code: A 8.3.1
<i>Measurement:</i>	Factor derived from responses on Heron (1967) personality inventory. (Most items in this inventory drawn from MMPI, Cattell 16 PF, Wesley rigidity scale and ISIA).
<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/u/sq/ol/9/a	r=-.03 ns	
O-HL/u/sq/ol/9/a	r=-.03 ns	
O-SP/u/sq/ol/9/a	r=-.03 ns	

Study	HARRY 1976	<i>Page in Report:</i>	292
<i>Reported in:</i>	Harry, J. Evolving sources of happiness for men over the life cycle: A structural analysis Journal of Marriage and the Family, Vol 38, 1976, 289-296		
<i>Population:</i>	18+ aged males, living with family, USA, 1973		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	374		

Measured Correlate

Class: Attitudinal consistency Code: A 8.3.2

Measurement: Degree to which Ss is more satisfied with his job than with his family. Both satisfactions assessed by a single direct question

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/3/aa	r=+.17 ns	Single
	r=+.25 ns	Married, no children
	r=+.35 ns	Married, pre-school children
	r=+.27 p<.05	Married, school age children
	r=+.27 ns	Married, teenage children
	r=+.25 p<.05	Married, children grown up

Study	LOUNS 1979	<i>Page in Report:</i>	302
<i>Reported in:</i>	Lounsbury, J.W.; Sundstrom, E.; Shields, M. The relationship of avowed life satisfaction to public acceptance of and expectations Journal of Community Psychology, 1979, Vol 7,p. 298-304		
<i>Population:</i>	Adults, general public, Hartsville/Trousdale County, Tennessee, USA, 1975		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	288		

Measured Correlate

Class: Attitudinal consistency Code: A 8.3.2

Measurement: Correlation between acceptance of the building of a nuclear plant and perceptions of hazards and benefits.

1. acceptance - disruption
2. acceptance - health hazards
3. acceptance - increased business
4. acceptance - attention for town
5. acceptance - economic benefit

Measured Values:

Error Estimates:

Remarks: correlation of acceptance and perceived consequences among:
happy unhappy

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>		<i>Remarks</i>		
O-BW/c/sq/l/11/a	r=	p<	r=+. 47	r=+. 49	di fference ns
	r=	p<	r=+. 62	r=+. 60	correlation of acceptance and perceived consequences among: di fference ns
	r=	p<	r=+. 34	r=+. 10	happy unhappy di fference significant (p<05)
	r=	p<	r=+. 34	r=+. 12	di fference si gni fi cant (p<05)
	r=	p<	r=+. 45	r=+. 40	di fference ns
	mr=	p<	mr=+. 44	mr=+. 34	di fference ns

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

Happiness Query Code Full Text

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 succesfull have you been in the persuit 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.

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

$$Pa + Pb + Pc + Pd + Pe$$

Pa = planned goal a (1-5)

Sa = success goal a (1-5)

M-FH/u/sq/ol/9/a

Selfreport on single question:

"Place a cross on the line on the place you estimate to be what corresponds best with your state".

1 | I don't feel very well in my skin

2 |

3 |

4 |

5 | I don't feel too well in my skin

6 |

7 |

8 |

9 | I feel very well in my skin

Scoring: rated on open horizontal line scale divided afterwards in 9 sections.

In French:

"Placez une croix, sur chaque ligne, a l'endroit que vous estimez être celui qui correspond mieux a votre etat, par rapport aux definitions proposées.

a | Je ne me sens pas très bien dans ma peau

b |

c |

d |

e | Je me sens assez bien dans ma peau

f |

g |

h |

i | Je me sens très bien dans ma peau

M-PL/h/sq/v/5/b

Selfreport on single question: following enumeration of lifegoals in six areas, the last of wich was 'joy in living'

" How successfull have you been in pursuit of that goal.....?"

(joy in living)

5 had excellent fortune in this respect

4

3

2

1 found little satisfaction in this area

O-BW/c/sq/l/11/a

Selfreport on single question:

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

[10] best possible life

[9]

[8]

[7]

[6]

[5]

[4]

[3]

[2]

[1]

[0] worst possible life

Preceded by 1) open questions about what the respondent imagines as the best possible life and the worst possible life. 2) ratings on the ladder of one's life five years ago and where on the ladder one expects to stand five years from now.

O-HL/c/sq/v/3/aa

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

Selfreport on single question:

'Taken all together, how would you say things are these days? Would you say

O-HL/u/sq/ol/9/a	<p>that you are....?" 3 very happy 2 pretty happy 1 not too happy</p> <p>Selfreport on single question:</p> <p>"Place a cross, on each line, on the place you estimate to be that which corresponds best with your state"</p> <p>1 I am not very happy 2 3 4 5 I am not too happy 6 7 8 9 I am quite happy</p> <p>Scoring: rated on an open horizontal line scale, divided afterwards in 9 sections.</p> <p>In French: "Placez une croix, sur chaque ligne, a l'endroit que vous estimez être celui qui correspond le mieux a votre état, par rapport aux definitions proposées"</p> <p>a je ne suis pas tout à fait heureux b c d e je suis tout à fait heureux f g h i je suis très heureux</p>
O-SP/u/sq/ol/9/a	<p>Selfreport on single question:</p> <p>"Place a cross on the line below, on the spot you estimate that corresponds best with your state."</p> <p>1 I am not very satisfied 2 3 4 5 I am not too satisfied 6 7 8 9 I am very satisfied</p> <p>Scoring: rated on an open horizontal line scale divided afterwards in 9 sections.</p> <p>In French: "Placer une croix, sur chaque ligne, a l'endroit que vous estimez être celui qui correspond le mieux a votre état, par rapport aux definitions proposees."</p>

- a | Je ne suis pas tout a fait satisfait
- b |
- c |
- d |
- e | Je ne suis pas tres satisfait
- f |
- g |
- h |
- i | Je suis tout a fait satisfait

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. This is the introductory text to the Catalog of Happiness Queries.

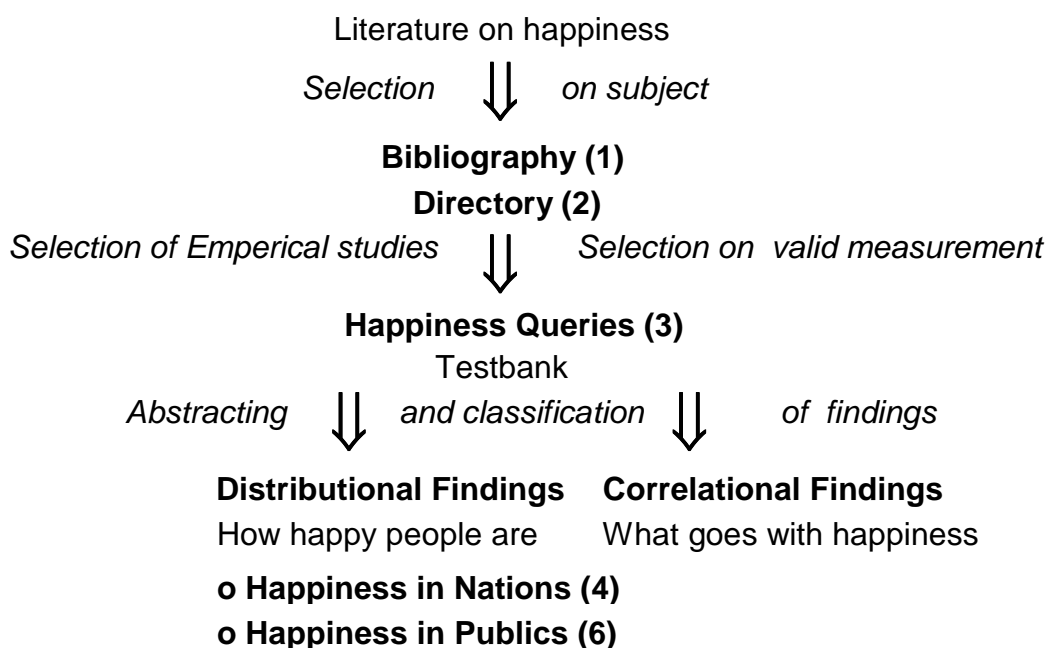
Appendix 2 *Statistics used in reported studies*

<i>Symbol</i>	<i>Explanation</i>
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 $N_e - 1$ 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>
Chi ²	<p>CHI-SQUARE Type: test statistic Range: $[0; N_e * (\min(c,r)-1)]$, where c and r are the number of columns and rows respectively in a cross tabulation of N_e sample elements.</p> <p>Meaning: $\text{Chi}^2 \leq (c-1) * (r-1)$ means: no association $\text{Chi}^2 \gg (c-1) * (r-1)$ means: strong association</p>
mr	<p>Mean correlation coefficient (r). For r, see PRODUCT-MOMENT CORRELATION</p>
r	<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> <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>

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. 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

<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

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

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

Appendix 5 Related Topics

This Topic*Classification Page 1****Related Topics****In Subject List on Appendix 4*

A 8	ATTITUDES		SATISFACTION (overview of aspects) ADJUSTMENT
A 8.1	Attitudinal career		
A 8.1.1	Earlier attitudes	P 1	PERSONALITY: HISTORY
A 8.1.2	Change in attitudes		
A 8.1.4	Later attitudes	P 5	PERSONALITY: LATER
A 8.2	Current attitudes		
A 8.3	Own attitudinal organization	P 4	PERSONALITY: CURRENT TRAITS
		P 3.2	Personality integration
A 8.3.1	Attitudinal rigidity	P 4.90	Rigid
A 8.3.2	Attitudinal consistency		
A 8.3.3	Attitudinal stability	H 5.1.2	Retrospective changes in happiness (unspecified)
		H 5.1.4	Expected change in happiness (period unspecified)
		H 5.2.2	Actual changes in happiness
A 8.4	Attitudes of others		
A 8.5	Attitudinal consonance	V 4	VALUES: SIMILARITY (current fit with others)
A 8.6	Attitude to attitudinal climate		

End of Report