



World Database of Happiness

Correlational Findings

© on data collected: Ruut Veenhoven, Erasmus University Rotterdam

## Findings on Happiness & MIGRATION: MOVING WITHIN COUNTRY (residential mobility)

Correlate Code: M 9

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<b>Classification of Findings</b>		<b>Number of Studies</b>
<i>Correlate Code</i>	<i>Correlate Name</i>	<i>on this Subject</i>
M 9	MIGRATION: MOVING WITHIN COUNTRY (residential mobility)	0
M 9.1	Moving career	0
M 9.1.1	Earlier residential mobility	1
M 9.1.1.1	. ever moved or not	0
M 9.1.1.2	. times moved in country	5
M 9.1.1.3	. Time since last move	5
M 9.1.4	Later moving	0
M 9.2	Current residential mobility	0
M 9.2.1	Recently moved	6
M 9.2.2	Conditions of moving	0
M 9.2.3	Integration in new community	0
M 9.3	Attitudes to residential mobility	0

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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**                      **NEAR 1978**                      *Page in Report:*

*Reported in:*      Near, J.P., Rice, R.W. & Hunt, R.G.  
 Work and extra-work correlates of life and job satisfaction  
 Academy of management Journal, vol.21, 1978, p. 248-264

*Population:*      Adult, general public, Western New York State, USA, 1975

*Sample:*

*Non-Response:*

*N:*      384

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**Measured Correlate**

*Class:*      Earlier residential mobility Code: M 9.1.1

*Measurement:*      0 Current living environment (urban, rural, suburban) different  
 from the one in childhood

*Measured Values:*

*Error Estimates:*

*Remarks:*

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**Observed Relation with Happiness**

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLW/c/sq/v/5/d	R <sup>2</sup> =01    ns	Explained variance in ANOVA.

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

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### Measured Correlate

<i>Class:</i>	. times moved in country Code: M 9.1.1.2
<i>Measurement:</i>	4-point scale ranging from "one" to "five or more"
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/4/a	rpc=-.05	Controlled for: Income, housing density, education, social status, chronic illness, anxiety, frequency of meetings with relatives, number of friends, opportunities to make personal contacts, possibilities to decide on matters concerning one's own personal life, number of memberships in clubs and associations, interesting life, easyness of life, loneliness, feelings of being liked, feeling of being able to use knowledge and skills, feeling of chance to succeed, gets sufficient attention, satisfaction with income, age, gender.

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

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### Measured Correlate

<i>Class:</i>	. times moved in country Code: M 9.1.1.2
<i>Measurement:</i>	4-point scale ranging from "one" to "five or more"
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/4/a	rpc=-.04	Controlled for: Income, housing density, education, social status, chronic illness, anxiety, frequency of meetings with relatives, number of friends, opportunities to make personal contacts, possibilities to decide on matters concerning one's own personal life, number of memberships in clubs and associations, interesting life, easyness of life, loneliness, feelings of being liked, feeling of being able to use knowledge and skills, feeling of chance to succeed, gets sufficient attention, satisfaction with income, age, gender.

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

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### Measured Correlate

<i>Class:</i>	. times moved in country Code: M 9.1.1.2
<i>Measurement:</i>	4-point scale ranging from "one" to "five or more"
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/4/a	rpc=-.02	Controlled for: Income, housing density, education, social status, chronic illness, anxiety, freq. of meetings with relatives, opportunities to make personal contacts, possibilities to decide on matters concerning one's own personal life, no. of memberships in clubs and associations, interesting life, easyness of life, loneliness, feeling of being liked, feeling of being able to use knowledge and skills, feeling of chance to succeed, gets sufficient attention, satisfaction with income, age, gender, no. of communities in which lived.

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

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### Measured Correlate

<i>Class:</i>	. times moved in country Code: M 9.1.1.2
<i>Measurement:</i>	4-point scale ranging from "one" to "five or more"
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/4/a	rpc=0.00	Controlled for: Income, housing density, education, social status, chronic illness, anxiety, freq. of meetings with relatives, no. of friends, opportunities to make personal contacts, possibilities to decide on matters concerning one's own personal life, no. of memberships in clubs and associations, interesting life, easyness of life, loneliness, feeling of being liked, feeling of chance to succeed, feeling of being able to use knowledge and skills, gets sufficient attention, satisfaction with income, age, gender.

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<b>Study</b>	<b>PALMO 1972</b>	<i>Page in Report:</i>	70
<i>Reported in:</i>	Palmore, E.B. & Luikart, C. Health and social factors related to life satisfaction. Journal of Health & Social Behavior, 1972, vol. 13, p. 68-80		
<i>Population:</i>	46+ aged, whites, North Carolina, USA, 1968		
<i>Sample:</i>	Probability stratified sample		
<i>Non-Response:</i>			
<i>N:</i>	502		

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### Measured Correlate

<i>Class:</i>	. times moved in country Code: M 9.1.1.2
<i>Measurement:</i>	Number of times one moved his residence in the past 10 years.
<i>Measured Values:</i>	Actual range 0-7 M 0.5 SD=1.0
<i>Error Estimates:</i>	
<i>Remarks:</i>	

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-BW/c/sq/l/10/c	r=-.05 p<.	

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<b>Study</b>	<b>BRINK 1986A</b>	<i>Page in Report:</i>	164
<i>Reported in:</i>	Brinkerhoff, M & Jacob, J Quality of life in an alternative lifestyle. The smallholding movement. Social Indicators Research 18, p 153-173		
<i>Population:</i>	Back to the land' mini-farmers, West USA and Canada,198?		
<i>Sample:</i>	Non-probability purposive sample (unspecified)		
<i>Non-Response:</i>	510		
<i>N:</i>	44 %		

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### Measured Correlate

<i>Class:</i>	. Time since last move Code: M 9.1.1.3
<i>Measurement:</i>	Self report of years at the property (mini -farm)
<i>Measured Values:</i>	range: 0 - 60, M = 6.4
<i>Error Estimates:</i>	
<i>Remarks:</i>	

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H?/?/sq/v/4/a	r=+.08 p<.05	



<b>Study</b>	<b>MICHA 1983</b>	<i>Page in Report:</i>	233
<i>Reported in:</i>	Michalos,A.C. Satisfaction and happiness in a rural northern resource community Social Indicators Research, 1983, vol.13, p.225-252		
<i>Population:</i>	18+ aged, rural community, N.Ontario, Canada, 1982		
<i>Sample:</i>			
<i>Non-Response:</i>	8%		
<i>N:</i>	598		

### Measured Correlate

*Class:* . Time since last move Code: M 9.1.1.3

*Measurement:*

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-DT/c/sq/v/7/aa	Beta=+.0	All $\beta$ 's controlled for satisfaction with health, financial security, family relations, paid employment, friendships, housing, area you live in, recreation activity, religion, self esteem, transportation, government services, and for the other demographic factors: sex, age, formal education, language, work status, marital status.  Males : N: 173 $\beta$ : +.04 Females: N: 154 $\beta$ : ns
O-HL/u/sq/v/7/a	Beta= ns	All $\beta$ 's controlled for satisfaction with health, financial security, family relations, paid employment, friendships, housing, area you live in, recreation activity, religion, self esteem, transportation, government services, and for the other demographic factors: sex, age, formal education, language, work status, marital status.  Males : N: 173 $\beta$ : +.04 Females: N: 154 $\beta$ : -.03

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<b>Study</b>	<b>MORAW 1977</b>	<i>Page in Report:</i>	515; 518
<i>Reported in:</i>	Morawetz, D. Income distribution and self-rated happiness: some empirical evidence The Economic Journal, 1977, vol. 87, pp 511-522		
<i>Population:</i>	Adults, two villages (one equal in incomes, one unequal), Israel, 1976		
<i>Sample:</i>	Non-probability purposive-expert sample		
<i>Non-Response:</i>	38%		
<i>N:</i>	109		

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### Measured Correlate

<i>Class:</i>	. Time since last move Code: M 9.1.1.3
<i>Measurement:</i>	years lived in the moshav
<i>Measured Values:</i>	M=16 (years); M=14 (years)
<i>Error Estimates:</i>	
<i>Remarks:</i>	A "moshav" is a settlement or a small community in Israel. The two "moshavs" investigated in this study contain 40-50 households each.

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-BW/c/sq/l/11/a	B=-.05 p<.05	B controlled for: <ul style="list-style-type: none"> <li>- religion</li> <li>- place of birth</li> <li>- age</li> <li>- sex</li> <li>- education</li> <li>- not married</li> <li>- children at home</li> <li>- rooms per house</li> <li>- rooms per person</li> <li>- telephone</li> <li>- no car</li> <li>- agricultural work</li> <li>- income per standard adult</li> <li>- Moshav</li> </ul>
	B=-.03 ns	B controlled for the above variables with income left out

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<b>Study</b>	<b>PEIL 1984</b>	<i>Page in Report:</i>	Extra info
<i>Reported in:</i>	Peil,M. African urban life: components of satisfaction in Sierra Leone Social Indicators Research, Vol 14, 1984, pp.363-384.		
<i>Population:</i>	Adult, general public, urban areas (Freetown, Bo and Kenema), Sierra Leone, 1981		
<i>Sample:</i>			
<i>Non-Response:</i>	5% (on some items up to 60%)		
<i>N:</i>	640		

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### Measured Correlate

*Class:* . Time since last move Code: M 9.1.1.3

*Measurement:*

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLW/u/sq/l/7/a	DMt=	Happiness level in Mt' (0-10):
		- born males: 7.9 females: 7.5
		- 0-14 7.0 7.3
		- 15-24 7.1 7.2
		- 25-34 7.6 7.6
		- 35+ 7.5 7.0

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<b>Study</b>	<b>PEIL 1984</b>	<i>Page in Report:</i>	Extra info
<i>Reported in:</i>	Peil,M. African urban life: components of satisfaction in Sierra Leone Social Indicators Research, Vol 14, 1984, pp.363-384.		
<i>Population:</i>	Adult, general public, urban areas (Freetown, Bo and Kenema), Sierra Leone, 1981		
<i>Sample:</i>			
<i>Non-Response:</i>	5% (on some items up to 60%)		
<i>N:</i>	640		

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### Measured Correlate

*Class:* . Time since last move Code: M 9.1.1.3

*Measurement:*

born in town  
arrived by age of 15  
> 20 years ago  
10-19 years ago  
5-9 years ago  
0-4 years ago

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLW/u/sq/l/7/a	DMt=±	Happiness level in Mt' (0-10):
		- born in town      males: 7.9      females: 7.5
		- arr. by age 15      6.9      7.3
		- >20 years ago      7.5      6.8
		- 10-19 years ago      7.5      7.9
		- 5-9 years ago      7.1      7.4
		- 0-4 years ago      7.4      7.5

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<b>Study</b>	<b>MARTI 1984</b>	<i>Page in Report:</i>	104
<i>Reported in:</i>	Martinson,O.B., Wilkening,E.A. & Mc Grahnan,D. Predicting overall life-satisfaction: The role of life-cycle and social-psychological Social Indicators Research 1984, vol.14, p. 99-108		
<i>Population:</i>	18+aged, general public, N.W.Wisconsin, USA, 1974		
<i>Sample:</i>			
<i>Non-Response:</i>	12%		
<i>N:</i>	1423		

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### Measured Correlate

*Class:* Recently moved Code: M 9.2.1

*Measurement:* Single direct question:  
0: lived 5 years or more in community  
or county, if rural.  
1: other.  
(At time of study, all ss lived in primarily rural area)

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLW/u/sqrt/v/7/a	Beta=+.0 ns	age <30: $\beta = +.04$ ns 30 - 49: $\beta = +.00$ ns 50 - 64: $\beta = +.01$ ns > 64: $\beta = -.03$ ns
		$\beta$ controlled for: powerlessness, community solidarity, health, days too sick to work, separated / divorced, unemployed, contact with relatives, contact with friends, church attendance, organizational membership, education, family income.

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<b>Study</b>	<b>MARTI 1985</b>	<i>Page in Report:</i>	309
<i>Reported in:</i>	Martinson,O.B., Wilkening,E.A. & Linn,J.G. Life change,health status and life satisfaction: A reconsideration Social Research Indicators, vol.16(1985), p.301-313		
<i>Population:</i>	18+ aged, general public, NW Wisconsin,USA, 1974		
<i>Sample:</i>			
<i>Non-Response:</i>	14%		
<i>N:</i>	1423		

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### Measured Correlate

*Class:* Recently moved Code: M 9.2.1

*Measurement:* Single direct question:  
1: Lived 5 years or more in community,  
or county if rural  
0: Other

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLW/u/sqrt/v/7/a	Beta=	<p><math>\beta</math> of different age groups:  under 30 : -.01 ns      30-49 : -.02 ns  50-64 : +.03 ns      over 64 : +.03 ns</p> <p><math>\beta</math> controlled for: negative life change, degree of disability, days lost due to illness, powerlessness, community solidarity, contact with friends, contact with relatives, organizational affiliation, church attendance, separated / divorced, sex, unemployed, family income, education.</p>

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<b>Study</b>	<b>MOLLE 1988</b>	<i>Page in Report:</i>	631
<i>Reported in:</i>	Moller, V. Quality of life in retirement: a case study of zulu return migrants Social Indicators Research, Vol. 20, 1988, pp. 621-658		
<i>Population:</i>	Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	253		

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### Measured Correlate

*Class:* Recently moved Code: M 9.2.1

*Measurement:* 0: local person (70%)  
1: newcomer (30%)

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/5/a	r=-.10 p<.01	
O-SLW/u/sq/v/5/d	r=-.07 ns	

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<b>Study</b>	<b>STORA 1975</b>	<i>Page in Report:</i>	99
<i>Reported in:</i>	Storandt, M., Wittels, J. & Botwinick, J. Predictors of a dimension of well-being in the relocated healthy aged. Journal of Gerontology, 1975, vol. 30, p. 97 - 102.		
<i>Population:</i>	60+ aged, followed 15 months after move, USA, 197?		
<i>Sample:</i>			
<i>Non-Response:</i>	50%; 47% unattainable, 3% incomplete		
<i>N:</i>	122		

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### Measured Correlate

*Class:* Recently moved Code: M 9.2.1

*Measurement:* Ratings by two psychologists on a 5-point scale.  
The raters were instructed to rate on a dimension of well-being that ranged from spent, played out, almost senile in manner, to alive, zestful, vital, even enthusiastic.  
Assessed at T2 (11 to 19 month after move).

*Measured Values:*

*Error Estimates:*

*Remarks:*

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### Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLu/c/sq/l/11/a	AoV=+ ns	Happiness assessed at T1 (within 5 months of moving into new residence: 73 were tested up to 5 months prior to moving, 49 were tested within 5 months following the move; no significant differences between these groups were found)



Study	WILKE 1978/1	Page in Report:	225
<i>Reported in:</i>	Wilkening, E.A. & McGranahan, D. Correlates of Subjective Well-being in Northern Wisconsin Social Indicators Research, vol 5 (1978), p.221-234		
<i>Population:</i>	18+aged, general public, NW Wisconsin-residents, USA, 1974		
<i>Sample:</i>			
<i>Non-Response:</i>	12%		
<i>N:</i>	1423		

### Measured Correlate

*Class:* Recently moved Code: M 9.2.1

*Measurement:* 1: lived 5 years or more in community or county if rural.  
0: under 5 years.

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-SLW/u/sqrt/v/7/a	r=-.11 p<.05 Beta=-.0 p<.05	<p><math>\beta</math> controlled for 1+2+3+4+5 :</p> <p>1: education, occupation, income, level of living 2: live alone, married, children, contact with relatives, contact with friends, church attendance, organizational membership. 3: health problems, separated/divorced, unemployed 4: retired, widowed. 5: urban living, rural living, female.</p> <p><math>\beta</math> in different age groups: under 30: -.09 (ns)    30-49 : -.07 (ns) 50-64 : -.04 (ns)    over 64 : -.04 (ns)</p>
	Beta=-.1 p<.05	$\beta$ controlled for 3 only: interaction with age: ns

Study	WILLI 1978	Page in Report:	394
<i>Reported in:</i>	Willits, F.K.; Bealer, R.C. and Crider, D.M. Migrant Status and Success: A Panel Study Rural Sociology, Vol. 43 No. 3, 1978, p. 386 - 402		
<i>Population:</i>	Highschool pupils, rural area, followed 25 years, Pennsylvania, USA, 1946-71		
<i>Sample:</i>			
<i>Non-Response:</i>	26%		
<i>N:</i>	T1: 2806 and T2: 2081		

### Measured Correlate

*Class:* Recently moved Code: M 9.2.1

*Measurement:* 0. Non-migrants  
1. Migrants

Ss. were defined as a migrant if their residences at T1 and T2 were more than 50 miles apart.

*Measured Values:*

*Error Estimates:*

*Remarks:* Happiness assessed at T2.

### Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-HL/c/sq/v/3/aa	Beta=-.0 ns	<p>Mal es: - non-migrants M = 1.27 Mt' = 6.4 - migrants M = 1.27 Mt' = 6.4 Happiness assessed at T2.</p> <p>Beta=+.0 ns</p> <p>Femal es: - non-migrants M = 1.36 Mt' = 6.8 - migrants M = 1.42 Mt' = 7.1</p>
		<p><math>\beta</math> controlled for father's occupation, highschool grade point average and education.</p>

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

*Happiness Query Code*    *Full Text*

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

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?"

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

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

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

Selfreport on single question:

"Here is a picture of a ladder. Suppose we say that the top of the ladder represents 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-DT/c/sq/v/7/aa

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

Selfreport on single question:

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

- 6 very satisfying
- 5 satisfying
- 4 mixed
- 3 dissatisfying
- 2 very dissatisfying
- 1 terrible
- No opinion

Name: Andrews & Withey's `Delighted-Terrible Scale' ( modified version)

O-H?/?/sq/v/4/a

Selfreport on single question:

Lead item not reported

Response options:

- 4 very happy
- 3 quite happy
- 2 not very happy
- 1 not at all happy

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

Selfreport on single question:

"Taken all together, how would you say things are these days? Would you say that you are....?"

- 3 very happy
- 2 pretty happy
- 1 not too happy

O-HL/c/sq/v/4/a

Selfreport on single question:

"Do you feel your life at present is.....?"

- 4 very happy
- 3 quite happy
- 2 quite unhappy
- 1 very unhappy

O-HL/c/sq/v/5/a

Selfreport on single question:

"Taking all things together in your life, how would you say things are these days? Would you say you are ....?"

- 5 very happy
- 4 happy
- 3 neither happy nor unhappy
- 2 unhappy
- 1 very unhappy

O-HL/u/sq/v/7/a

Selfreport on single question:

"Considering your life as a whole, would you describe it as.....?"

- 1 very happy
- 2
- | unhappy
- 3
- 4 an even mixture of unhappiness and happiness
- 5
- | happy
- 6

O-SLu/c/sq/l/11/a	<p>7 very happy no opinion</p> <p>Selfreport on single question :</p> <p>"Some people seem to be quite happy and satisfied with their lives, while others seem quite unhappy and dissatisfied. Now look at this ladder (again). Suppose that a person who is entirely satisfied with his life would be at the top of the ladder and a person who is extremely dissatisfied with his life would be at the bottom of the ladder. Where would you put yourself on the ladder at the present stage of your life in terms of how satisfied or dissatisfied you are with your personal life?"</p> <p>[ 10 ] entirely satisfied [ 9 ] [ 8 ] [ 7 ] [ 6 ] [ 5 ] [ 4 ] [ 3 ] [ 2 ] [ 1 ] [ 0 ] entirely dissatisfied</p>
O-SLW/c/sq/v/5/d	<p>Name Cantril ladder rating (modified version)</p> <p>Selfreport on single question:</p> <p>"Taking everything into consideration, how satisfied are you with life in general at the present time? Would you say you are.....?"</p> <p>5 extremely satisfied 4 very satisfied 3 fairly satisfied 2 slightly satisfied 1 not satisfied"</p>
O-SLW/u/sq/l/7/a	<p>Selfreport on single question:</p> <p>"How do you feel about your life as a whole?"</p> <p>Rated on a seven step quality of life ladder was marked with a smiling face and marked 'GOOD'. The bottom marked with a frowning face and the word 'BAD'</p> <p>[ 7 ] Good, picture of smiling face [ 6 ] [ 5 ] [ 4 ] [ 3 ] [ 2 ] [ 1 ] Bad, picture of frowning face (Pictures not reproduced here)</p>
O-SLW/u/sq/v/5/d	<p>Selfreport on single question:</p> <p>"Taking your life as a whole, are you ....."?</p> <p>5 very satisfied 4 quite satisfied 3 more satisfied than discontented</p>

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- 2 more discontented than satisfied
  - 1 quite dissatisfied

In German:

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

- 5 sehr zufrieden
- 4 ziemlich zufrieden
- 3 eher zufrieden
- 2 eher unzufrieden
- 1 ziemlich unzufrieden

O-SLW/u/sqt/v/7/a

Selfreport on single question, asked twice in interview:

"Considering everything, how satisfied are you with your life as a whole.....?"

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

Summation: both scores added

Possible range: 2 to 14

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

## Appendix 2 *Statistics used in reported studies*

<i>Symbol</i>	<i>Explanation</i>
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_e - 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>
B	<p>REGRESSION COEFFICIENT (non-standardized)            Type: test statistic            Measurement level: Correlate: metric, Happiness: metric            Theoretical range: unlimited</p> <p>Meaning:  <math>B &gt; 0</math> « a higher correlate level corresponds with, on an average, higher happiness rating.  <math>B &lt; 0</math> « a higher correlate level corresponds with, on an average, lower happiness rating.  <math>B = 0</math> « not any correlation with the relevant correlate.</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>
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</p>

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r	<p>scale) between the two correlate levels.</p> <p>PRODUCT-MOMENT CORRELATION COEFFICIENT (Also 'Pearson's correlation coefficient' or simply 'correlation coefficient')</p> <p>Type: test statistic.</p> <p>Measurement level: Correlate: metric, Happiness: metric</p> <p>Range: [-1; +1]</p> <p>Meaning:</p> <p><math>r = 0</math> « no correlation ,</p> <p><math>r = 1</math> « perfect correlation, where high correlate values correspond with high happiness values, and</p> <p><math>r = -1</math> « perfect correlation, where high correlate values correspond with low happiness values.</p>
R <sup>2</sup>	<p>COEFFICIENT of DETERMINATION</p> <p>Type: test statistic</p> <p>Measurement level: Correlates: all metric, Happiness: metric</p> <p>Range: [0; 1]</p> <p>Meaning:</p> <p><math>R^2 = 0</math> « no influence of any correlate in this study has been established.</p> <p><math>R^2 = 1</math> « the correlates determine the happiness completely.</p>
rpc	<p>PARTIAL CORRELATION COEFFICIENT</p> <p>Type: test statistic</p> <p>Measurement level: Correlate: metric, Happiness: metric</p> <p>Range: [-1; +1]</p> <p>Meaning: a partial correlation between happiness and one of the correlates is that correlation, which remains after accounting for the contribution of the other influences, or some of them, to the total variability in the happiness scores.</p> <p>Under that conditions</p> <p><math>rpc &gt; 0</math> « a higher correlate level corresponds with a higher happiness rating,</p> <p><math>rpc &lt; 0</math> « a higher correlate level corresponds with a lower happiness rating,</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](http://www.eur.nl/fsw/research/happiness/hap_cor/cor_fp.htm). This is the introductory text to the Catalog of Correlational Findings. An overview of all statistics is in chapter 4.



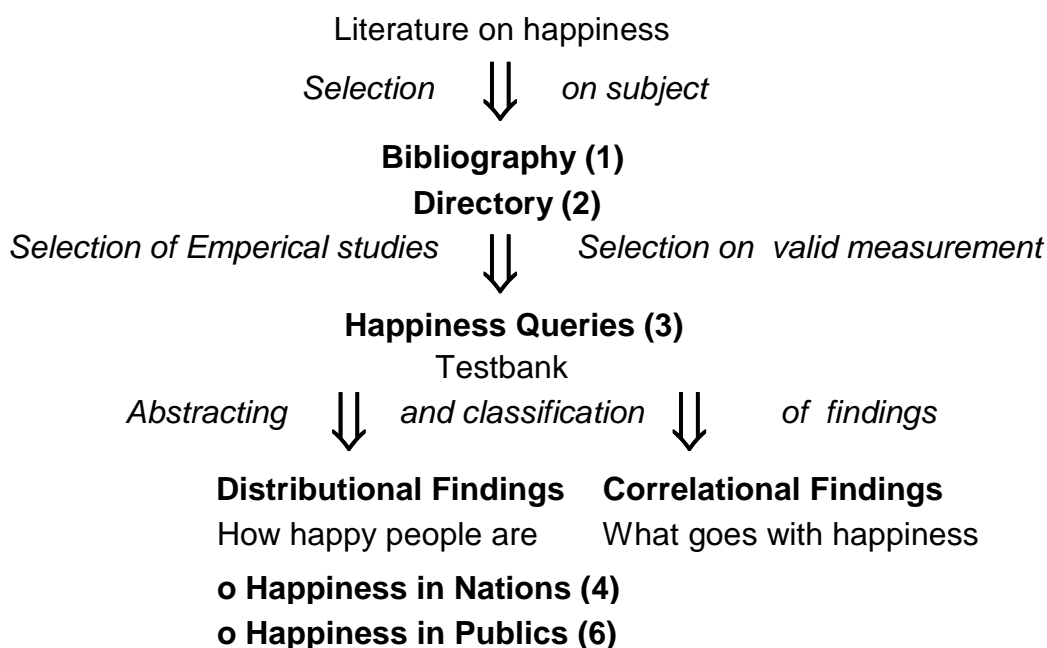
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## **Appendix 3: About the World Database of Happiness**

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

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

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

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

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

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

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

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## **Appendix 5 Related Topics**

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


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M 9	MIGRATION: MOVING WITHIN COUNTRY (residential mobility)		
M 9.1	Moving career		
M 9.1.1	Earlier residential mobility	L 6.1.1	Earlier life-events
M 9.1.1.1	. ever moved or not		
M 9.1.1.2	. times moved in country		
M 9.1.1.3	. Time since last move		
M 9.1.4	Later moving		
M 9.2	Current residential mobility	L 6.2	Current life-events (past few years)
M 9.2.1	Recently moved		
M 9.2.2	Conditions of moving		
M 9.2.3	Integration in new community	S 8	SOCIAL PARTICIPATION: TOTAL (personal + associations)
		S 7	SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS
		S 6	SOCIAL PARTICIPATION: PERSONAL CONTACTS
M 9.3	Attitudes to residential mobility		

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**End of Report**