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World Database of Happiness

Correlational Findings
© on data collected: Ruut Veenhoven, Erasmus University Rotterdam

Findings on Happiness & RETIREMENT

Classification of Findings		Number of Studies
Correlate Code	Correlate Name	on this Subject
R 3	RETIREMENT	0
R 3.1	Retirement career	0
R 3.1.1	Pre-retirement conditions	1
R 3.1.1.1	. earlier attitudes to retirement	3
R 3.1.2	Change in retirement status	1
R 3.1.2.1	. time since retirement	3
R 3.1.4	Later retirement	0
R 3.2	Current status: retired or not	20
R 3.3	Conditions of retirement	0
R 3.3.1	Sudden retirement (vs gradual)	1
R 3.3.2	Compulsory retirement (vs free choice)	6
R 3.3.3	Full retirement (vs partial)	0
R 3.3.4	Planned retirement (vs unexpected)	1
R 3.3.5	Age at retirement	1
R 3.4	Activities in retirement	0
R 3.4.1	Post-retirement job	2
R 3.5	Attitudes to retirement	4
R 3.5.1	Self-definition in terms of earlier job	2
R 3.5.2	Satisfaction with retirement	1
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/hap Erasmus University Rotterdam, 2003, Netherlands	piness

Correlate Code: R 3

Page in Report: 125 Study **DOBSO 1985**

Reported in: Dobson, C.

Attitudes and Perceptions

Powers, E.A., Goudy, W.J. & Klein, P.M. (eds), Later life Transitions: Older Males in

America, Kluwer, 1985, Dordrecht

Population: 50+ aged males, fulltime employed, followed ten years, Iowa, USA, 1964-74

Sample:

Non-Response: T1 refusals: 8%

T1-T2 drop-out: 29%, of which 20% deceased

N: T1: 1870, T2:

1319

Measured Correlate

Class: Pre-retirement conditions Code: R 3.1.1

1. full-time employed at T1 Measurement:

2. part-time employed at T1

3. retired at T1

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	Statistics	Remarks		
M-CO/h/sq/v/4/a	D%=-	<pre>% very contented: - ful time - part-time - retired - all</pre>	T1 58 53 49 54	T2 57 57 53 55

Page in Report: 630 Study **MOLLE 1988**

Moller, V. Reported in:

Quality of life in retirement: a case study of zulu return migrants

Social Indicators Research, Vol. 20, 1988, pp. 621-658

Population: Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983

Sample:

Non-Response:

253

Measured Correlate

Class: . earlier attitudes to retirement Code: R 3.1.1.1

Single direct question: 'Looking back in time, did you: Measurement:

0: dislike retirement

1: look forward to retirement'

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-HL/c/sq/v/5/a r=+.24p<.01

O-SLW/u/sq/v/5/d AΠ r=+.21 p<.01

> -65 years old Beta=+.1 p<.05

B controlled for:

Satisfaction with health

Perceived financial adequacy

3 No pension income 4 Community elder

5 Has a confidant

6 Is happy as grandparents were

7 Aged gradually

Study MOLLE 1988 Page in Report: 630

Reported in: Moller, V.

Quality of life in retirement: a case study of zulu return migrants

Social Indicators Research, Vol. 20, 1988, pp. 621-658

Population: Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983

Sample:

Non-Response:

N: 253

Measured Correlate

Class: . earlier attitudes to retirement Code: R 3.1.1.1

Measurement: Single direct question: 'Some people think migrant workers

should retire when they are still healthy and strong so they can

enjoy leisure.

Other people think migrant workers should wait until pension age

so that they have enough money at old age.

What do you think?'

0: regular retirement at pension age

1: early retirement

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-HL/c/sq/v/5/a r=+.26 p<.01 O-SLW/u/sq/v/5/d r=+.23 p<.01

Study THOMP 1960 Page in Report: 168

Reported in: Thompson, W.E., Streib, G.F. & Kosa, J.

The effect of retirement on personal adjustment: a panel analysis.

Journal of Gerontology, 1960, vol. 15, p. 165-169.

Population: 60+ aged, employed at start, followed 2 years, USA, 1952-54

Sample:

Non-Response:

N: 1559

Measured Correlate

Class: . earlier attitudes to retirement Code: R 3.1.1.1

Measurement: 3-item index of closed questions indicating a negative vs a

positive orientation to retirement.

Assessed at T1

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

M-AO/g/mq/*/0/a G=+.40 p<.01 Happiness assessed at T1 and T2. Change in

happiness expressed in % more and % less happy at

T2.

G' refers to correlation with change to more

happi ness.

Computed for those who were retired between T1 and

T2 only.

Economically deprived : G' = +.27Economically not deprived : G' = +.41

Good health : G' = +.52Poor health : G' = +.30

No difficulties in keeping occupied : G' = +.32 Difficulties in keeping occupied : G' = +.60

THOMP 1960 Page in Report: 167-168

Reported in: Thompson, W.E., Streib, G.F. & Kosa, J.

The effect of retirement on personal adjustment: a panel analysis.

Journal of Gerontology, 1960, vol. 15, p. 165-169.

Population: 60+ aged, employed at start, followed 2 years, USA, 1952-54

Sample:

Study

Non-Response:

N: 1559

Measured Correlate

Class: Change in retirement status Code: R 3.1.2

Measurement: 0 Employed: Both at T1 and T2

1 Retired: Between T1 and T2

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

M-AO/g/mq/*/0/a G=-.07 ns Happiness assessed at T1 and T2. Change in

happiness expressed in % more and % less happy at T2. G' refers to correlation with change to more

happi ness.

Satisfied at T1 : G' = -.21 (01) Dissatisfied at T1 : G' = +.11 (01)

-Positive orientation to retirement at T1: G' =

+. 13

-Negative orientation to retirement at T1:

G' = -.27

Unaffected by voluntary vs compulsory retirement.

Unaffected by economic deprivation

Good health : G' = -.28Poor health : G' = +.12

No difficulties in keeping occupied : G' = -.09Difficulties in keeping occupied : G' = -.21

Study MAXWE 1985 Page in Report: 31

Reported in: Maxwell, N.L.

The retirement experience: psychological and financial linkages to the labor market

Social Science Quarterly, vol. 66, 1985, p. 22-33

Population: 45+ aged males, USA, 1966-78

Sample:

Non-Response:

N: 1173

Measured Correlate

Class: . time since retirement Code: R 3.1.2.1

Measurement: Single closed question at T2.

Measured Values: Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-HL/u/sq/v/3/f Beta=-.0 ns ß controlled for:

-because of heal th

-retired because of compulsory plan -retired because of unemployment

-job satisfaction at T1
-work motivation at T1
-preretirement SES
-marital status at T1
-health problems at T1
-dependents in household

-race

-income (logarithm) at T2

If income increase/decrease is included in stead of

absolute income: β =-.01 ns Same for blacks and whites. Happiness assessed at T2.

Study MOLLE 1988 Page in Report: 630

Reported in: Moller, V.

Quality of life in retirement: a case study of zulu return migrants

Social Indicators Research, Vol. 20, 1988, pp. 621-658

Population: Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983

Sample:

Non-Response:

N: 253

Measured Correlate

Class: . time since retirement Code: R 3.1.2.1

Measurement: 0: Less than 6 years

1: 6- 10 years

2: More than 10 years

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-HL/c/sq/v/5/a r=-.13 p<.05 All

Beta=-.0 ns All

ß controlled for:

1 Satisfied with health 2 Higher affluence rating

3 Need to purchase maize

4 Grows cash crop

5 Religious traditionalist

6 Has a confidant

7 Keeps goats

8 Higher monthly income

9 More active person

10 Worked for many tears in jobs 11 No desire to return to work

12 Agrees: Modern community Leader

-65 years old ß controlled for: Beta=-.1 ns Satisfied with health Higher monthly income Religious traditionalist Grows cash crop Feels land is secure Worked for many years in jobs 6 No desire to return to work Achi eved/confi dent of becoming weal thy Direction of correlation unclear in original O-SLW/u/sq/v/5/d r=+.03 ns report. Sign in table is negative, but text indicates positive relationship. Present version approved by author.

Study SKRAB 1969 Page in Report: 68

Reported in: Skrabanek, R.L.

Adjustment of former university faculty members to retire- ment

Proceedings of the Southwestern Sociological Association, April 1969, vol. 19, p. 65-

69.

Population: Retired faculty members, University,

USA, 1968

Sample:

Non-Response: 7%

N: 547

Measured Correlate

Class: . time since retirement Code: R 3.1.2.1

Measurement: 1-7 years

Measured Values: Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-H?/?/sq/v/5/b D%= U-shaped curve: Those who retired in 1961, 1966 and

1967 were happier than those who retired during the years in-between. Especially those who had been retired for 4 years were relatively unhappy.

Study ABRAM 1972 Page in Report: 4

Reported in: Abrams, M.& Hall, J.

The condition of the British people: report on a pilot survey using self-rating scales. Unpublished paper, Soc.Science Research Council,1972 London.Partly reported in

Stöber et al.,1973.

Population: 15+ aged, general public, Britain, 1971

Sample:

Non-Response:

N: 213

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 0 All 1 Retired

Measured Values: Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-SLW/c/sq/l/11/b DMt= - Total population : Mt = 6.84

Old age pensioners: Mt = 4.74

Page in Report: 14 Study **BRADB 1965/1**

Reported in: Bradburn, N.M. & Caplovitz D.

Reports on happiness

Aldine Publishing Company, 1965, Chicago USA

Adult, general public, 4 towns, varying in economic prosperity, Illinois, USA, 1962 Population:

Sample:

Non-Response:

2006

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement:

1 Retired

Measured Values: Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

Males : G' = -.29 (01) Females : G' = -.27 (05) O-HL/c/sq/v/3/aa G= p<.

Study BUCHA 1953/1 Page in Report: 131

Reported in: Buchanan, W. & Cantril, H.

How nations see each other. A study in public opinion.

 $\label{eq:Urbans} \mbox{USA, 1953, University of Illinois Press.}$

Population: 21+ aged, general public, Australia, 1948-49

Sample:

Non-Response: -

N: 945

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 1 Retired or independent

0 Other

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-SLC/c/sq/v/3/a r=-.04 ns 1 M'=1.88 Mt'=4.4

G=-.22 ns

Study BUCHA 1953/2 Page in Report: 138

Reported in: Buchanan, W. & Cantril, H.

How nations see each other. A study in public opinion.

Urbans, USA, 1953, University of Illinois Press.

Population: 21+ aged, general public, Great Britain, 1948-49

Sample:

Non-Response: -

N: 1195

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 1 Retired or independent

0 Other

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-SLC/c/sq/v/3/a r=-.03 ns 1 M'=1.71 Mt'=3.6

G=-.08 ns

Study BUCHA 1953/3 Page in Report: 148

Reported in: Buchanan, W. & Cantril, H.

How nations see each other. A study in public opinion.

Urbans, USA, 1953, University of Illinois Press.

Population: 21+ aged, general public, France, 1948-49

Sample:

Non-Response: -

N: 1000

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 1 Retired or independent

0 Other

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-SLC/c/sq/v/3/a r=-.11 p<.01 1 M'=1.12 Mt'=0.6

G=-.59 p<.01

Study BUCHA 1953/4 Page in Report: 157

Reported in: Buchanan, W. & Cantril, H.

How nations see each other. A study in public opinion.

Urbans, USA, 1953, University of Illinois Press.

Population: 21+ aged, general public, West Germany, 1948-49

Sample:

Non-Response: -

N: 3341

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 1 Retired or independent

0 Other

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-SLC/c/sq/v/3/a r=-.09 p<.01 1 M'=1.41 Mt'=2.0

G=-.31 p<.01

Study BUCHA 1953/5 Page in Report: 176

Reported in: Buchanan, W. & Cantril, H.

How nations see each other. A study in public opinion.

Urbans, USA, 1953, University of Illinois Press.

Population: 21+ aged, general public, Italy, 1948-49

Sample:

Non-Response: -

N: 1078

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 1 Retired or independent

0 Other

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-SLC/c/sq/v/3/a r=+.02 ns 1 M'=1.61 Mt'=3.1

G=+.06 ns

Study BUCHA 1953/6 Page in Report: 189

Reported in: Buchanan, W. & Cantril, H.

How nations see each other. A study in public opinion.

Urbans, USA, 1953, University of Illinois Press.

Population: 21+ aged, general public, Mexico, 1948 - 49

Sample:

Non-Response: -

N: 1752

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 1 Retired or independent

0 Other

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-SLC/c/sq/v/3/a r=+.00 ns 1 M'=1.59 Mt'=3.0

G=+.04 ns

Study BUCHA 1953/7 Page in Report: 197

Reported in: Buchanan, W. & Cantril, H.

How nations see each other. A study in public opinion.

Urbans, USA, 1953, University of Illinois Press.

Population: 21+ aged, general public, Netherlands, 1948 - 49

Sample:

Non-Response: -

N: 942

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 1 Retired or independent

0 Other

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-SLC/c/sq/v/3/a r=-.04 ns 1 M'=1.64 Mt'=3.2

G=-.14 ns

Study BUCHA 1953/8 Page in Report: 206

Reported in: Buchanan, W. & Cantril, H.

How nations see each other. A study in public opinion.

Urbans, USA, 1953, University of Illinois Press.

Population: 21+ aged, general public, Norway, 1948 - 49

Sample:

Non-Response: -

N: 1030

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 1 Retired or independent

0 Other

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-SLC/c/sq/v/3/a r=-.00 ns 1 M'=2.10 Mt'=5.5

G=-.02 ns

Study BUCHA 1953/9 Page in Report: 214

Reported in: Buchanan, W. & Cantril, H.

How nations see each other. A study in public opinion.

Urbans, USA, 1953, University of Illinois Press.

Population: 21+ aged, general public, USA, 1948 - 49

Sample:

Non-Response: -

N: 1015

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 1 Retired or independent

0 Other

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-SLC/c/sq/v/3/a r=-.01 ns 1 M'=1.86 Mt'=4.3

G=-.05 ns

Page in Report: 111 Study **FESSE 1985**

Reported in: Fessel

Soziologische und Psychologische Ursachen des Wertwandel-Phanomens

Research report, Institut fur empirische Sozialforchung IFES, 85/45.412, Vienna,

Population: 14+ aged, general public, Austria, 1985

Sample:

Non-Response: ?

> N: 1027

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: a. working

b. not working c. pensi oned

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

A-AOL/g/sq/v/3/d DMt= Mt' = 7.25

Mt' = 7.40Mt' = 7.55b.

Study LEE 1978 Page in Report: 134

Reported in: Lee, G.R.

Marriage and morale in later life

Journal of marriage and the family 1978 vol. 40 page 131-139

Population: 60+ aged marrieds, Washington State USA, 1975

Sample: Probability systematic sample

Non-Response: 62%

N: 439

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 1 retired

0 not retired

Measured Values: mean: 0.7

sd: 0.4

Error Estimates:

Remarks: males only

Observed Relation with Happiness

Happiness Query Statistics Remarks

M-ACO/u/mq/n/4/a r=+.02

Beta=+.0 males only

beta controlled for

-age

-length of marriage

-educati on

-self perceived health

-marital satisfaction

-satisfaction with standard of living

Study PALMO 1975/1 Page in Report: 124

Reported in: Palmore, E.

The honorable elders. A cross-cultural analysis of aging in Japan.

Durham, North Carolina, 1975, Duke University Press.

Population: 60+ aged, Japan, 1973

Sample:

Non-Response:

N:

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 0 Not working

1 Still working

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-SLL/u/sq/v/4/c D%=+ - still working 83% happy

- not working 65% happy

Computed for those of age 60+ only.

Study PALMO 1979 Page in Report: 350

Reported in: Palmore, E.B., Cleveland Jr, P.C., Nowlin, J.B., Ramm, D. & Siegler, I.C.

Stress and Adaptation in Later Life

Reprint form Journal of Gerontology 1979, Vol 34 pp (in this reprint) 341-356

Population: 46+ aged white, North Carolina, USA, 1968- 1976.

Sample: Probability stratified sample

Non-Response:

N: 375

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 0 = non retired

1 = retired

since first examination in T1.

Assessed at T4.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-BW/c/sq/l/10/c B= $_{..}$ 3 p< $_{..}$ 05 N 232. Separate multiple regression. Dependent:

Change in life satisfaction from T1 to T4. (negative

b indicates negative effect).

Study SPREI 1974 Page in Report: 456

Reported in: Spreitzer, E. & Snyder, E.E.

Correlates of life satisfaction among the aged. Journal of Gerontology, 1974, vol. 29, p. 454-458

Population: 18+ aged, married or widowed, USA,1972-73

Sample:

Non-Response: -

N: 1547

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 0. Working full-time

1. Retired

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-HL/u/sq/v/3/a D%= - Computed for males of age 65 - 70 only.

55% of those still working full-time, and 45% of the retired males report a high degree of life

sati sfacti on.

Study VEROF 1981 Page in Report: 408

Reported in: Veroff, J.; Douvan, E.; Kulka, R.A.

The Inner American, A Self-portrait from 1957 to 1976

Basic Books, 1981, New York, USA

Population: 21 aged, general public, non-institutionalized, USA, 1976

Sample:

Non-Response: 29%

N: 2264

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 0 Working 1 Retired

Measured Values: Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-HL/c/sq/v/3/aa G=+.21 p<.01 1957 Working 36% happy, retired 27% happy.

tb=+.09 p<.05

G=-.17 p<.01 1976 Working 32% happy, retired 40% happy.

tb=-.08 p<.05

Study WARD 1979/1 Page in Report: 865

Reported in: Ward, R.A.

The never-married in later life

Journal of Gerontology, 1979, vol. 34, no. 6, pp. 861-869

Population: 50+ aged, non-institutionalized, USA, 1972-77

Sample:

Non-Response:

N: 3557

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 0 Working 1 Retired

Measured Values: Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-HL/c/sq/v/3/ag D%=± Marri ed: + p<05 (Chi 2)

Never-married: - ns

Study WILKE 1978/1 Page in Report: 225

Reported in: Wilkening, E.A. & McGranahan, D.

Correlates of Subjective Well-being in Northern Wisconsin

Social Indicators Research, vol 5 (1978), p.221-234

Population: 18+aged, general public, NW Wisconsin-residents, USA, 1974

Sample:

Non-Response: 12%

N: 1423

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 0 Working 1 Retired

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-SLW/u/sqt/v/7/a Beta=-.0 ns ß controlled for:

 education, occupation, income, level of living
 live alone, married, children, contact with relatives, contact with friends, church

relatives, contact with friends, church attendance, organizational membership.

3: health problems, recent move, separated/ divorced, unemployed.

4: wi dowed.

5: urban living, rural living, female.

B in different age groups:

50-64 $\beta = -.04$ (ns) over 64 $\beta = -.08$ (ns)

Study WILKE 1978/2 Page in Report: 229

Reported in: Wilkening, E.A. & McGranahan, D.

Correlates of Subjective Well-being in Northern Wisconsin.

Social Indicators Research, vol 5(1978) p.221-234

Population: 18+ aged, general public, non-institutionalized, Wisconsin, USA, 1974

Sample:

Non-Response:

N: 534

Measured Correlate

Class: Current status: retired or not Code: R 3.2

Measurement: 0 Working 1 Retired

Measured Values: Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-SLW/u/sq/v/7/a Beta=+.0 ns ß controlled for education, occupation, income,

live alone, married status, contact with relatives,

contact with friends, church attendance,

organization membership, separated $\!\!\!/$ divorced,

wi dowed, place of residence, sexe, age.

Page in Report: 630 Study **MOLLE 1988**

Moller, V. Reported in:

Quality of life in retirement: a case study of zulu return migrants

Social Indicators Research, Vol. 20, 1988, pp. 621-658

Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983 Population:

Sample:

Non-Response:

253

Measured Correlate

Class: Sudden retirement (vs gradual) Code: R 3.3.1

'Did you retire from your job in town from one day to the next, or Measurement:

did you retire gradually, say by working fewer hours, doing lighter jobs or returning home for longer poeriods of time?'

0: gradual 1: sudden

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Remarks Happiness Query Statistics

O-HL/c/sq/v/5/a r=+.17 p<.01

O-SLW/u/sq/v/5/d Al I r=+.20 p<.01

> Beta=+.1 p<.05 AI I

B controlled for:

Satisfied with health 1

Voluntary retirement 3 More active person

4 No pension income

Has a confidant

Higher standard house

Community elder

Satisfied with job while working

Enjoys aspects of retirement

10 Is happy as grandparents were

11 Agrees: planning is key to success

12 Preference for entrepreneurship in

retirement

13 Higher modernity score

Beta=+.1 p<.05

65+ years old ß controlled for:

- Satisfied with health
- Grows cash crop
- Voluntary retirement
- 4 Need to purchase maize
- 5 Owns cattle
- 6 Keeps chicken
- Satisfied with job while working
- 8 Feels relatively young 9 Agrees: planning is key to success

Page in Report: 31 **MAXWE 1985** Study

Maxwell, N.L. Reported in:

The retirement experience: psychological and financial linkages to the labor market

Social Science Quarterly, vol. 66, 1985, p. 22-33

Population: 45+ aged males, USA, 1966-78

Sample:

Non-Response:

1173

Measured Correlate

Class: Compulsory retirement (vs free choice) Code: R 3.3.2

Single closed question. Measurement:

0 Not

1 Because of

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-HL/u/sq/v/3/f Beta=-.0 ns B controlled for: -retired

because of health

-retired because of compulsory plan

-job satisfaction at T1 -work motivation at T1 -health problems at T1 -preretirement SES -marital status at T1 -dependents in household

-number of years retired -income (logarithm) at T2

If income increase/decrease is included in stead of

absolute income: B=-.02 ns Same for blacks and whites. Happiness assessed at T2.

Study MAXWE 1985 Page in Report: 31

Reported in: Maxwell, N.L.

The retirement experience: psychological and financial linkages to the labor market

Social Science Quarterly, vol. 66, 1985, p. 22-33

Population: 45+ aged males, USA, 1966-78

Sample:

Non-Response:

N: 1173

Measured Correlate

Class: Compulsory retirement (vs free choice) Code: R 3.3.2

Measurement: Single closed question.

0 Voluntary

1 Compulsory

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-HL/u/sq/v/3/f Beta=-.0 p<.05 ß controlled for:

retired because of health

-retired because of unemployment

-job satisfaction at T1
-work motivation at T1
-health problems at T1
-preretirement SES

-marital status at T1 -dependents in household

-race

-number of years retired
-income (logarithm) at T2

If income increase/decrease is included in stead of

absolute income: β =-.05 ns Same for blacks and whites. Happiness assessed at T2.

Study MAXWE 1985 Page in Report: 31

Reported in: Maxwell, N.L.

The retirement experience: psychological and financial linkages to the labor market

Social Science Quarterly, vol. 66, 1985, p. 22-33

Population: 45+ aged males, USA, 1966-78

Sample:

Non-Response:

N: 1173

Measured Correlate

Class: Compulsory retirement (vs free choice) Code: R 3.3.2

Measurement: Single closed question, whether the respondent has the

characteri sti c.

0 Yes 1 No

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-HL/u/sq/v/3/f Beta=-.1 p<.001 ß controlled for:

retired because of compulsory plan-retired because of unemployment

-job satisfaction at T1
-work motivation at T1
-health problems at T1
-preretirement SES
-marital status at T1
-dependents in household

-race

-number of years retired -income (logarithm) at T2

If income increase/decrease is included in stead of

absolute income: β =-.16 p<.001 Same for blacks and whites. Happiness assessed at T2.

Study PERET 1975 Page in Report: 134

Reported in: Peretti, P.O. & Wilson, C.

Voluntary and involuntary retirement of aged males and theireffect on emotional International Journal of Aging and Human Development, 1975, vol.6, p. 131-138

Population: 60-70 aged living in a retirement home, USA, 197?

Sample:

Non-Response:

N: 140

Measured Correlate

Class: Compulsory retirement (vs free choice) Code: R 3.3.2

Measurement: 0 Involuntary retirement

1 Voluntary retirement

Both groups matched for years of retirement, occupational level

and length of stay in the institution.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

M-ACO/c/mq/v/2/a C=+.32 p<.001

Study SKRAB 1969 Page in Report: 68

Reported in: Skrabanek, R.L.

Adjustment of former university faculty members to retire- ment

Proceedings of the Southwestern Sociological Association, April 1969, vol. 19, p. 65-

69.

Population: Retired faculty members, University,

USA, 1968

Sample:

Non-Response: 7%

N: 547

Measured Correlate

Class: Compulsory retirement (vs free choice) Code: R 3.3.2

Measurement: 0. Not compul sory

1. Compulsory retirement

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-H?/?/sq/v/5/b D%= - Only 83% of those retired under a policy of com-

pulsory retirement considered themselves happy as compared with 90% of those who retired because they

personally desired to do so.

Study THOMP 1960 Page in Report: 168

Reported in: Thompson, W.E., Streib, G.F. & Kosa, J.

The effect of retirement on personal adjustment: a panel analysis.

Journal of Gerontology, 1960, vol. 15, p. 165-169.

Population: 60+ aged, employed at start, followed 2 years, USA, 1952-54

Sample:

Non-Response:

N: 1559

Measured Correlate

Class: Compulsory retirement (vs free choice) Code: R 3.3.2

Measurement: Retirement between T1 and T2

0 Voluntary

1 Administrative

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

M-AO/g/mq/*/0/a G=-.08 Happiness assessed at T1 and T2. Change in

happiness expressed in % more and % less happy at

T2.

G' refers to correlation with change to more

happi ness.

Computed for those who were retired between T1 and

T2 only.

Unaffected by orientation to retirement before

retirement.

Study SKRAB 1969 Page in Report: 68

Reported in: Skrabanek, R.L.

Adjustment of former university faculty members to retire-ment

Proceedings of the Southwestern Sociological Association, April 1969, vol. 19, p. 65-

69.

Population: Retired faculty members, University,

USA, 1968

Sample:

Non-Response: 7%

N: 547

Measured Correlate

Class: Planned retirement (vs unexpected) Code: R 3.3.4

Measurement: No plans / some plans / planned a great deal.

Measured Values: Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-H?/?/sq/v/5/b D%= + \pm 91% of those who had planned a great deal are

happy in retirement as compared with 84% of those who had planned some, but comparatively little, and

only 79% of those who had made no plans.

Page in Report: 630 **MOLLE 1988**

Correlate Code: R 3

Moller, V. Reported in:

Quality of life in retirement: a case study of zulu return migrants

Social Indicators Research, Vol. 20, 1988, pp. 621-658

Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983 Population:

Sample:

Non-Response:

Study

253

Measured Correlate

Class: Age at retirement Code: R 3.3.5

0: 35-49 Measurement:

1: 50-54 2: 55-59 3: 60-64 4: 65+

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Remarks Statistics

O-HL/c/sq/v/5/a r = +.14p<.05

Direction of correlation unclear in original O-SLW/u/sq/v/5/d r=+.16 p<.01

report. Sign in table is negative, but text

indicates positive relationship. Present version

approved by author.

GARBE 1971 Page in Report: 181

Reported in: Garber, D.L.

Retired soldiers in second careers: self-assessed change, reference group salience, Unpublished doctoral dissertation, 1971, University of Southern California, USA.

Population: Middle-aged, presently employed army retirees, California, USA, 1970

Sample:

Study

Non-Response: 63% of which

21% no return of questionnaire, 13% incomplete and 29% refusal

N: 362

Measured Correlate

Class: Post-retirement job Code: R 3.4.1

Measurement: 5-item index of closed questions on amount of change in present

occupation compared with former military occupation, rated on 4-point scales ranging from 'the same' to 'very different'.

Items used: actual work performed, knowledge and skill used,

amount of time spent working, type of organization, kind of people

one works with.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

A-BB/cm/mq/v/2/a G=-.16 Positive Affects: G= -.17

Negative Affects: G= +.12

Increased occupational prestige:

-affect balance : G=-.29 -positive affect: G=-.25 -negative affect: G=+.20

Same occupational prestige: -affect balance: G=+.17 -positive affect: G=+.05 -negative affect: G=-.12

Decreased occupational prestige:

-affect balance: G= -.19 -positive affect: G= -.17 -negative affect: G= +.19

Study GARBE 1971 Page in Report: 181

Reported in: Garber, D.L.

Retired soldiers in second careers: self-assessed change, reference group salience, Unpublished doctoral dissertation, 1971, University of Southern California, USA.

Population: Middle-aged, presently employed army retirees, California, USA, 1970

Sample:

Non-Response: 63% of which

21% no return of questionnaire, 13% incomplete and 29% refusal

N: 362

Measured Correlate

Class: Post-retirement job Code: R 3.4.1

Measurement: 3-item index of closed questions on present job in comparison with

former military job with respect to: it's general importance,

level of skill and knowledge required, authority over other people.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

A-BB/cm/mq/v/2/a G=+.22 Positive Affects: G=+.30

Negative Affects: G= -.01

Study KEITH 1985 Page in Report: 414

Reported in: P.M. Keith

Work, retirement and well-being among unmarried men and women

The Gerontologist, 1985, vol 25, p 410-416

Population: 58-63 aged unmarried, followed 10 years, USA, 1969-1979

Sample:

Non-Response:

N: 1398 (326 men, 1072 women)

Measured Correlate

Class: Attitudes to retirement Code: R 3.5

Measurement: Index of 3 closed questions, rated on a 4-point scale, ranging

from (4) strongly agree to (1) strongly disagree:

-retirement is a pleasant time of life

-people who don't retire when they're financially able to are

fool i sh

-older workers should retire when they can, so as to give younger

people more of a chance on the job

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-HL/c/sq/v/3/aa r=+ Happi ness assessed at T2:

Wi dowed r=+.21 (ns) $\beta=+.18$ (05) Di vorced/Separated r=+.16 (ns) $\beta=+.17$ (05) Never married r=+.23 (ns) $\beta=+.20$ (05) β 's controlled for sex, earlier education, age, earlier occupation, earlier happiness, health,

income and employment.

Study MOLLE 1988 Page in Report: 632

Reported in: Moller, V.

Quality of life in retirement: a case study of zulu return migrants

Social Indicators Research, Vol. 20, 1988, pp. 621-658

Population: Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983

Sample:

Non-Response:

N: 253

Measured Correlate

Class: Attitudes to retirement Code: R 3.5

Measurement: 'Would you say that retirement turned out?'

0: better or worse1: same as expected

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-HL/c/sq/v/5/a r=+.46 p<.01 O-SLW/u/sq/v/5/d r=+.40 p<.01

Study MOLLE 1988 Page in Report: 632

Reported in: Moller, V.

Quality of life in retirement: a case study of zulu return migrants

Social Indicators Research, Vol. 20, 1988, pp. 621-658

Population: Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983

Sample:

Non-Response:

N: 253

Measured Correlate

Class: Attitudes to retirement Code: R 3.5

Measurement: 'Have you ever thought about returning to town to find another

j ob?'

0: often, sometimes 1: hardly ever

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-HL/c/sq/v/5/a r=-.28 p<.01 All

Beta=-.1 p<.01 All

ß controlled for:

1 Satisfied with health2 Higher affluence rating

3 Need to purchase maize

4 Grows cash crop

5 Religious traditionalist

6 Has a confidant

7 Keeps goats

8 Higher monthly income

9 More active person

10 Worked for many tears in jobs

11 Retired for many years

12 Agrees: Modern community leader

Beta=-.1 p<.01 65+ years old

ß controlled for:

- 1 Seldom restricted by poor health
- 2 Higher affluence rating
- 3 Need to purchase maize
- 4 Grows cash crop
- 5 Religious traditionalist
- 6 More active person
- 7 Keeps chicken
- 8 Has a confidant
- 9 Higher standard house
- 10 Keeps goats
- 11 Larger size field
- 12 Higher monthly income

Beta=-.1 p<.05 -65 years old

ß controlled for:

- 1 Satisfied with health
- 2 Higher monthly income
- 3 Religious traditionalist
- 4 Grows cash crop
- 5 Feels land is secure
- 6 Retired for many years
- 7 Worked for many years in jobs
- 8 Achi eved/confi dent of becoming weal thy

O-SLW/u/sq/v/5/d r=-.16 p<.01

Study SNIDE 1980 Page in Report: 257-260

Reported in: Snider, E.L.

Explaining lifesatisfaction: It's the elderly's attitude that co that counts.

Social Science Quaterly, 1980, vol. 61, nr 2, p. 253-263

Population: 65+ aged, retired whites, Edmonton, Canada, 1976

Sample:

Non-Response: 10%

N: 428

Measured Correlate

Class: Attitudes to retirement Code: R 3.5

Measurement: Single direct question rated on a 4-point scale with the choice

statements: 'very diff.', 'some diff.', 'accept.' and 'easy'.

Measured Values:

Error Estimates:

Remarks: Controlled for: self-rated health, lonely, marital status and number of friends in city.

B = +.22

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-SLu/g/sq/v/3/a r=+.39 p<.001

tc=+.30 p<.001 Controled for: self-rated health, lonely, marital status and number of friends in city. B = +.22

Dyx=+.2 p<.001

Study GARBE 1971 Page in Report: 208

Reported in: Garber, D.L.

Retired soldiers in second careers: self-assessed change, reference group salience, Unpublished doctoral dissertation, 1971, University of Southern California, USA.

Population: Middle-aged, presently employed army retirees, California, USA, 1970

Sample:

Non-Response: 63% of which

21% no return of questionnaire, 13% incomplete and 29% refusal

N: 362

Measured Correlate

Class: Self-definition in terms of earlier job Code: R 3.5.1

Measurement: 8-item index of statements indicating orientation towards and

identification with the army and former military career.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

A-BB/cm/mq/v/2/a G=+ Positive Affects only: G=+. 10

Study GARBE 1971 Page in Report: 196

Reported in: Garber, D.L.

Retired soldiers in second careers: self-assessed change, reference group salience, Unpublished doctoral dissertation, 1971, University of Southern California, USA.

Population: Middle-aged, presently employed army retirees, California, USA, 1970

Sample:

Non-Response: 63% of which

21% no return of questionnaire, 13% incomplete and 29% refusal

N: 362

Measured Correlate

Class: Self-definition in terms of earlier job Code: R 3.5.1

Measurement: 8-item index of statements indicating orientation towards and

identification with civilian life and current career.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

A-BB/cm/mq/v/2/a G=+ Positive Affects only: G= +.28

Page in Report: 631

Correlate Code: R 3

Reported in: Moller, V.

Quality of life in retirement: a case study of zulu return migrants

Social Indicators Research, Vol. 20, 1988, pp. 621-658

Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983 Population:

Sample:

Study

Non-Response:

253

Measured Correlate

Class: Satisfaction with retirement Code: R 3.5.2

0: negative Measurement:

1: positive

MOLLE 1988

Measured Values:

Error Estimates:

Direction of correlation unclear in original report. Sign in table is negative, but text Remarks:

indicates positive relationship. Present version approved by author.

Observed Relation with Happiness

Happiness Query Remarks Statistics O-HL/c/sq/v/5/a r=+.15 p<.01

Direction of correlation unclear in original report. O-SLW/u/sq/v/5/d r=+.18 p<.01 Sign in table is negative, but text indicates positive

B controlled for relationship. Present version approved by author. Beta=+.1 p<.05

Satisfied with health

Voluntary retirement

3 More active person

4 No pension income

5 Has a confidant

6 Higher standard house

Community elder

Satisfied with job while working

Retired suddenly

10 Is happy as grandparents were

11 Agrees: planning is key to success

12 Preference for entrepreneurship in

retirement

13 Higher modernity score

Appendix 1

Queries on Happiness used in reported Studies

Happiness Query Code Full Text

A-AOL/g/sq/v/3/d

Selfreport on single question:

"I now mention some experiences, moods. Please tell me how often you feel so

......" happy." (one of several moods)"

1 seldom or never

2 sometimes

3 often

In German:

"Ich lese Ihnen einige Empfindungen, Stimmungen vor. Sagen Sie mir bitte

jeweils ob Sie sich fühlenGlücklich"

1 selten oder nie

2 manchmal

3 oft

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

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

M-ACO/c/mq/v/2/a

Print date: 7-2-2003

Selfreport on 7 questions:

Questions are indicative for contentment, good spirits, happiness and satisfaction

with present status or condition.

(Full items not reported)

Response options:

no = 1

yes = 2

Summation:

On basis of these questions Ss were dichotomized in:

b emotionally satisfied

a not emotionally satisfied.

M-ACO/u/mq/n/4/a

Selfreport on 6 questions:

A On the whole, life gives me a lot of pleasure

B On the whole, I am very satisfied with my life today

C Things are getting just worse for me as I get older

D All in all, I find a great deal of happiness today

E I have a lot to be sad about

F Nothing ever turn out for me the way I want it

Scoring

4 strongly agree

3

2

1 strongly disagree

Computation: simple addition. Possible range 6-24

M-AO/g/mg/*/0/a

Selfreport on 3 questions:

A "All in all, how much happiness would you say you find in life today.....?"

3 a great deal

2 some but not very much

1 almost none

B "In general, how would you say you feel most of the time, in good spirits or in low spirits.....?"

1 I am usually in low spirits

2 I am sometimes in good spirits, sometimes in low spirits

3 I am mostly in good spirits

C "On the whole, how satisfied are you with your way of life today.....?"

4 very satisfied

3 fairly satisfied

2 not very satisfied

1 not satisfied at all

Items selected by Guttman scaling.

M-CO/h/sq/v/4/a

Selfreport on single question:

"How do you feel things have worked out for you generally?

4 very well

3 fairly well

2 not very well

1 not at all well

O-BW/c/sq/I/10/c

Print date: 7-2-2003

Selfreport on single question:

Correlate Code: R 3

"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

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

O-H?/?/sq/v/5/b

Selfreport on single question:

Lead item not reported. Response options:

5 very happy

4 happy

3 neutral

2 unhappy

1 very unhappy

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/3/ag

Print date: 7-2-2003

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/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/3/a Selfreport on single question:

O-HL/u/sq/v/3/f	"Taking all together: how happy would you say you are? Would you say you are?" 3 very happy 2 pretty happy 1 not too happy Selfreport on single closed question:
O-SLC/c/sq/v/3/a	"Overall, how happy would you say you are with your life?" 3 very happy 2 somewhat happy 1 unhappy Selfreport on single question:
O-SLL/u/sq/v/4/c	"How satisfied are you with the way you are getting on now?" 3 very satisfied 2 all right 1 dissatisfied - don't know Selfreport on single question:
	"On the whole, are you with the life you lead?" 4 fully satisfied 3 not fully but to an extend satisfied 2 as yet unsatisfied 1 very unsatisfied
O-SLu/g/sq/v/3/a	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
O-SLW/c/sq/l/11/b	Selfreport on single question: "How dissatisfied would you say you are with things in general today?' Rated on ladder scale [10] completely satisfied [] [
O-SLW/u/sq/v/5/d	Selfreport on single question: "Taking your life as a whole, are you?" 5 very satisfied

- 4 quite satisfied
- 3 more satisfied than discontented
- 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/sq/v/7/a

Selfreport on single question:

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

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

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

4

3

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

Statistics used in reported studies Appendix 2

Symbol Explanation В REGRESSION COEFFICIENT (non-standardized) Type: test statistic Measurement level: Correlate: metric, Happiness: metric Theoretical range: unlimited Meaning: B > 0 « a higher correlate level corresponds with, on an average, higher happiness rating. B < 0 « a higher correlate level corresponds with, on an average, lower happiness ratina. B = 0 « not any correlation with the relevant correlate. Beta (ß) STANDARDIZED REGRESSION COEFFICIENT Type: test statistic. Measurement level: Correlates: all metric, Happinessl: metric. Range: [-1; +1] Meaning: beta > 0 « a higher correlate level corresponds with, on an average, higher happiness beta < 0 « a higher correlate level corresponds with, on an average, lower happiness rating. beta = 0 « no correlation. beta = + 1 or -1 « perfect correlation. С Pearson's CONTINGENCY COEFFICIENT Type: test statistic Measurement level: Correlate: nominal, Happinessl: ordinal Range: [0; SQRT(1-1/s)], where s = the lesser of c and r, the number of columns and rows respectively. Meaning: C = 0 « no association. C = SQRT(1-1/s) « strongest possible association D% DIFFERENCE in PERCENTAGES Type: descriptive statistic only. Measurement level: Correlate level: dichotomous, but nominal or ordinal theoretically possible as well. Happiness level: dichotomous Range: [-100; +100] Meaning: the difference of the percentages happy people at two correlate levels. DMt DIFFERENCE of MEANS AFTER TRANSFORMATION Type: descriptive statistic only. Measurement level: Correlate: dichotomous, Happiness: metric Theoretical range: [-10; +10] Meaning: the difference of the mean happiness (happiness measured at a 0-10 rating

scale) between the two correlate levels.

Correlate Code: R 3

Dyx SOMERS' ASYMMETRIC TEST STATISTIC

Type: test statistic

Measurement level: Correlate: ordinal, Happiness: ordinal

Range: [-1; +1]

Meaning:

Dyx = 0 «no rank correlation

Dyx = +1 «strongest possible rank correlation, where high correlate values correspond

with high happiness ratings.

Dyx = -1 «strongest possible rank correlation, where high correlate values correspond

with low happiness ratings.

G GOODMAN & Kruskal's GAMMA

Type: test statistic

Measurement level: Correlate: ordinal, Happinessl: ordinal

Range: [-1; +1]

Meaning:

G = 0 « no rank correlation

G = +1 « strongest possible rank correlation, where high correlate values correspond

with high happiness ratings.

with low happiness ratings.

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]

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.

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.

tc KENDALL'S TAU-C (Also referred to as Stuart's tau-c)

Type: test statistic

Measurement level: Correlate: ordinal, Happiness: ordinal

Range: [-1; +1]

Meaning:

tc = 0 « no rank correlation

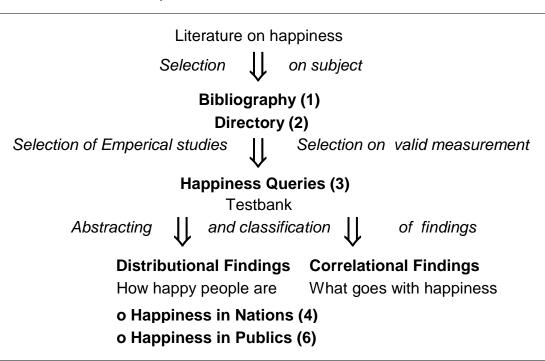
tc = 1 « perfect rank correlation, where high values of the correlate correspond with high happiness ratings.

tc = -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. 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 subjectclassification. 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 5			
H 6 HAPPINESS: CURRENT LEVEL 26 H 8 HEALTH-BEHAVIOR 11 H 9 HELPING 12 I 1 INCOME 413 I 2 INSTITUTIONAL LIVING 22 I 3 INTELIGENCE 66 I 4 INTERCESTS 3 I 5 INTERVIEW 44 I 6 INTIMACY 44 I 1 LANGUAGE 27 L 1 LANGUAGE 27 L 1 LOTERY 21 L 1 LOTERY 22 L 2 LEADERSHIP 3 L 3 LEISURE 12 L 4 LIFE APPRAISALS: OTHER THAN HAPPINESS4 29 L 5 LIFE-CHANGE 20 L 6 LIFE-EVENTS 66 L 7 LIFE-GOALS 55 L 8 LIFE HISTORY 9 L 9 LIFE STYLE 3 M 1 MARRIAGE: MARITAL STATUS CAREER 3 M 10 MIGRATION:	H 3	HAPPINESS: ATTITUDES	39
H 8	H 5	HAPPINESS CAREER	144
H 9	H 6	HAPPINESS: CURRENT LEVEL	260
11 INCOME 41 12 INSTITUTIONAL LIVING 22 13 INTELIGENCE 60 14 INTERSTS 3 15 INTERVIEW 44 16 INTIMACY 77 L1 LANGUAGE 27 L10 LOCAL ENVIRONMENT 27 L11 LOTTERY 21 L12 LOVE-LIFE 22 L2 LEADERSHIP 3 L3 LEISURE 12 L4 LIFE APPRAISALS: OTHER THAN HAPPINESS4 29 L5 LIFE-CHANGE 22 L6 LIFE-EVENTS 66 L7 LIFE-GOALS 55 L8 LIFE HISTORY 9 L9 LIFE STYLE 3 M 1 MARRIAGE: MARITAL STATUS CAREER 33 M 10 MIGRATION: MIGRANT WORK 34 M 12 MODERNITY 34 M 2 MARRIAGE: RELATIONSHIP 39 M 3 MARRIA	H 8	HEALTH-BEHAVIOR	15
12	H 9	HELPING	4
13 INTELLIGENCE 66 14 INTERESTS 4 15 INTERVIEW 4 16 INTIMACY 7 L1 LANGUAGE 7 L10 LOCAL ENVIRONMENT 27 L11 LOTERY 27 L11 LOTERY 22 L12 LOVE-LIFE 2 L2 LEADERSHIP 3 L3 LEISURE 12 L4 LIFE-OHANGE 29 L5 LIFE-CHANGE 29 L6 LIFE-EVENTS 6 L7 LIFE-GOALS 55 L8 LIFE HISTORY 9 L9 LIFE STYLE 3 M1 MARRIAGE: MARITAL STATUS CAREER 3 M10 MIGRATION: MIGRANT WORK 3 M11 MILITARY LIFE 3 M12 MODERNITY 3 M13 MARRIAGE: CURRENT MARITAL STATUS 31: M2 MARRIAGE: RELATIONSHIP <td< td=""><td>I 1</td><td>INCOME</td><td>415</td></td<>	I 1	INCOME	415
14	12	INSTITUTIONAL LIVING	28
15	13	INTELLIGENCE	63
16	I 4	INTERESTS	5
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M 12 MODERNITY 18 M 13 MOOD 18 M 2 MARRIAGE: CURRENT MARITAL STATUS 31 M 3 MARRIAGE: RELATIONSHIP 95 M 4 MARRIAGE: PARTNER 3- M 5 MEANING 16 M 6 MEDICAL TREATMENT 4- M 7 MENTAL HEALTH 95 M 8 MIGRATION: OTHER COUNTRY 95 M 9 MIGRATION: MOVING WITHIN COUNTRY (residential mobility) 11 N 1 NATIONALITY 15 N 2 NATION: TIME & PLACE 26 N 3 NATIONAL CHARACTER (modal personality) 27 N 4 NATION'S CONDITION 55 N 6 ATTITUDES TO THE NATION 11	M 10	MIGRATION: MIGRANT WORK	3
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M 5 MEANING M 6 MEDICAL TREATMENT M 7 MENTAL HEALTH M 8 MIGRATION: OTHER COUNTRY M 9 MIGRATION: MOVING WITHIN COUNTRY (residential mobility) N 1 NATIONALITY N 2 NATION: TIME & PLACE N 3 NATIONAL CHARACTER (modal personality) N 4 NATION'S CONDITION N 5 ATTITUDES TO THE NATION	M 3	MARRIAGE: RELATIONSHIP	99
M 6 MEDICAL TREATMENT M 7 MENTAL HEALTH M 8 MIGRATION: OTHER COUNTRY M 9 MIGRATION: MOVING WITHIN COUNTRY (residential mobility) N 1 NATIONALITY N 2 NATION: TIME & PLACE N 3 NATIONAL CHARACTER (modal personality) N 4 NATION'S CONDITION N 6 ATTITUDES TO THE NATION	M 4	MARRIAGE: PARTNER	34
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N 4 NATION'S CONDITION 55 N 6 ATTITUDES TO THE NATION 11	N 2	NATION: TIME & PLACE	20
N 6 ATTITUDES TO THE NATION 11	N 3	NATIONAL CHARACTER (modal personality)	2
	N 4	NATION'S CONDITION	52
N 7 LIVABILITY OF THE NATION	N 6	ATTITUDES TO THE NATION	111
	N 7	LIVABILITY OF THE NATION	5
N 8 NUTRITION 13	N 8	NUTRITION	18
O 1 OCCUPATION 133	O 1	OCCUPATION	133

P 1 PERSONALITY: HISTORY 4 P 10 POSSESSIONS 2 P 13 PSYCHO-SOMATIC COMPLAINTS 2 P 2 PERSONALITY: CURRENT ORGANIZATION P 4 PERSONALITY: CURRENT TRAITS 36 P 5 PERSONALITY: LATER 2 P 6 PHYSICAL HEALTH 26 P 7 PLANNING 18 P 8 POLITICS 18 P 9 POPULARITY 18 R 1 RELIGION 19 R 2 RESOURCES 14 R 3 RETIREMENT 2 R 4 ROLES 1 S 1 SCHOOL 2 S 11 SOCIAL SUPPORT: RECEIVED 2 S 11 SOCIAL SUPPORT: Provided 2 S 12 SPORTS 3 S 13 STIMULANTS 3 S 14 SUICIDE 3 S 15 SUMMED EFFECTS ON HAPPINESS 7 S 2 SELF-IMAGE 18 S 3			
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Findings on Happiness & RETIREMENT

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Appendix 5 Related Topics

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R 3	RETIREMENT	R 4.1.2.1	. role loss	
		A 4.1.3	Stage of life	
R 3.1	Retirement career			
R 3.1.1	Pre-retirement conditions			
R 3.1.1.1	. earlier attitudes to retirement			
R 3.1.2	Change in retirement status			
R 3.1.2.1	. time since retirement	L 6.2	Current life-events (past few years)	
R 3.1.4	Later retirement			
R 3.2	Current status: retired or not			
R 3.3	Conditions of retirement			
R 3.3.1	Sudden retirement (vs gradual)			
R 3.3.2	Compulsory retirement (vs free choice)	L 7.3.2	Perceived realization of life-goals	
R 3.3.3	Full retirement (vs partial)	E 2.3	Size of current job	
R 3.3.4	Planned retirement (vs unexpected)	L 7.3.2	Perceived realization of life-goals	
R 3.3.5	Age at retirement	A 4	AGE	
R 3.4	Activities in retirement	A 1	ACTIVITY LEVEL (how much one does)	
		A 2	ACTIVITY PATTERN (what one does)	
R 3.4.1	Post-retirement job	E 2	EMPLOYMENT	
		O 1.4	Attitudes to one's occupation	
R 3.5	Attitudes to retirement			
R 3.5.1	Self-definition in terms of earlier job	S 2.2	Current self-characterization	
R 3.5.2	Satisfaction with retirement			

End of Report