Findings on Happiness & HAPPIENESS CAREER

Correlate Code: H 5

<table>
<thead>
<tr>
<th>Classification of Findings</th>
<th>Number of Studies on this Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>Correlate Code</td>
<td>Correlate Name</td>
</tr>
<tr>
<td>H 5</td>
<td>HAPPINESS CAREER</td>
</tr>
<tr>
<td>H 5.1</td>
<td>Perceived happiness career</td>
</tr>
<tr>
<td>H 5.1.1</td>
<td>Retrospective level of happiness (period unspecified)</td>
</tr>
<tr>
<td>H 5.1.1.1</td>
<td>. in recent past</td>
</tr>
<tr>
<td>H 5.1.1.2</td>
<td>. in specific periods in the past</td>
</tr>
<tr>
<td>H 5.1.1.3</td>
<td>. happiest period in life</td>
</tr>
<tr>
<td>H 5.1.1.4</td>
<td>. extremes of happiness experienced</td>
</tr>
<tr>
<td>H 5.1.2</td>
<td>Retrospective changes in happiness (unspecified)</td>
</tr>
<tr>
<td>H 5.1.2.1</td>
<td>. recent change</td>
</tr>
<tr>
<td>H 5.1.2.2</td>
<td>. long term change</td>
</tr>
<tr>
<td>H 5.1.2.3</td>
<td>. perceived stability of feelings about life</td>
</tr>
<tr>
<td>H 5.1.3</td>
<td>Expected level of happiness (period unspecified)</td>
</tr>
<tr>
<td>H 5.1.3.1</td>
<td>. in the near future (up to 5 years)</td>
</tr>
<tr>
<td>H 5.1.3.2</td>
<td>. in the long run</td>
</tr>
<tr>
<td>H 5.1.3.3</td>
<td>. in specific phases in the future</td>
</tr>
<tr>
<td>H 5.1.4</td>
<td>Expected change in happiness (period unspecified)</td>
</tr>
<tr>
<td>H 5.1.4.1</td>
<td>. in the near future (up to 5 years)</td>
</tr>
<tr>
<td>H 5.1.4.2</td>
<td>. in the long run</td>
</tr>
<tr>
<td>H 5.1.4.3</td>
<td>. in specific phases of life</td>
</tr>
<tr>
<td>H 5.2</td>
<td>Actual happiness-career (assessed in follow-up)</td>
</tr>
<tr>
<td>H 5.2.1</td>
<td>Actual level of earlier/later happiness</td>
</tr>
<tr>
<td>H 5.2.1.1</td>
<td>. recent happiness (&lt; 1 year ago)</td>
</tr>
<tr>
<td>H 5.2.1.2</td>
<td>. past happiness (1 to 10 years ago)</td>
</tr>
<tr>
<td>H 5.2.1.3</td>
<td>. long term happiness (&lt; 10 years ago)</td>
</tr>
<tr>
<td>H 5.2.2</td>
<td>Actual changes in happiness</td>
</tr>
<tr>
<td>H 5.2.2.1</td>
<td>. change over life time</td>
</tr>
<tr>
<td>H 5.3</td>
<td>Attitudes to happiness career</td>
</tr>
</tbody>
</table>

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

Cite as:

World Database of Happiness: www.eur.nl/fsw/research/happiness
Findings on Happiness & HAPPINESS CAREER

Correlate Code: H 5

<table>
<thead>
<tr>
<th>Study</th>
<th>BORTN 1974</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Bortner, R.W. &amp; Hultsch, D.F.</td>
</tr>
<tr>
<td>Patterns of subjective deprivation in adulthood</td>
<td></td>
</tr>
<tr>
<td>Development Psychology, 1974, vol. 10, p. 534 - 545</td>
<td></td>
</tr>
<tr>
<td>Population:</td>
<td>21+ aged, general public, USA, 1959</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>17% incomplete information</td>
</tr>
<tr>
<td>N:</td>
<td>1294</td>
</tr>
</tbody>
</table>

Measured Correlate

| Class: | Perceived happiness career Code: H 5.1 |
| Measurement: | Ss were classified on the basis of present-self, past-self and future-self ratings using the Cantril (1965) question on 'best possible life'. (See CANTR 1965) |
| TD | temporary deprivation: present lower than past: future higher than present |
| CD | continuous deprivation: present lower than past: future lower than present |
| GED | great expectative deprivation: present higher than past: future higher than present |
| SND | Stereotyped non-deprivation: present higher than past: future slightly higher than present |
| AD | anticipatory deprivation: present higher than past: future lower than present |

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness
<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-RG/h/sq/l/11/a</td>
<td>DM= + p&lt;.</td>
<td>Non-significant differences between TD and CD, between CD and GED and between SND and AD. Other differences are significant (05).</td>
</tr>
<tr>
<td>O-SLu/c/sq/l/11/a</td>
<td>DM= + p&lt;.</td>
<td>Non-significant differences between TD and CD, and between GED, SND and AD. Other differences are significant (05).</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

Correlate Code: H 5

Study: PEIL 1984

Reported in: Peil, M.
African urban life: components of satisfaction in Sierra Leone

Population: Adult, general public, urban areas (Freetown, Bo and Kenema), Sierra Leone, 1981

Sample: 
Non-Response: 5% (on some items up to 60%)
N: 640

Measured Correlate

Class: Retrospective level of happiness (period unspecified) Code: H 5.1.1
Measurement: Direct question: "Has your life been disappointing/rewarding, enjoyable/ miserable, or in between?"

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-SLW/u/sq/l/7/a r=+ Males: r = +.32
Females: r = +.36

Print date: 7-2-2003
World Database of Happiness: www.eur.nl/fsw/research/happiness
Page 5 of 198
Findings on Happiness & HAPPINESS CAREER

Study ANDRE 1976/4

Reported in: Andrews, F.M. & Withey, S.B.
Social Indicators of Well-being: Americans' Perceptions of Life Quality
Plenum Press, 1976, New York, USA

Population: 18+ aged, general public, non-institutionalized, USA, 1973/3

Sample: 
Non-Response: 26%
N: 1433

Measured Correlate

Class: in recent past Code: H 5.1.1.1

Measurement:
Closed question: “Where was your life five years ago?”
Rated on a 9-point graphic scale ranging from best life (9) to worst life (1). (HAP 3.1)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/cy/sq/l/9/a</td>
<td>r=+.30</td>
<td></td>
</tr>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>mr=+.17</td>
<td>HAP 4.1 asked twice: at the beginning of the interview: r=+.18 at the end of the interview: r=+.16</td>
</tr>
<tr>
<td>O-DT/u/sqt/v/7/a</td>
<td>r=+.18</td>
<td></td>
</tr>
<tr>
<td>O-GBB/u/sq/c/9/a</td>
<td>r=+.26</td>
<td></td>
</tr>
</tbody>
</table>

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 6 of 198
**Findings on Happiness & HAPPINESS CAREER**

**Correlate Code: H 5**

**Study**

**ANDRE 1976/5**

**Reported in:** Andrews, F.M. & Withey, S.B.

Social Indicators of Well-being: Americans' Perceptions of Life Quality

Plenum Press, 1976, New York, USA

**Population:** 18+ aged, general public, non-institutionalized, USA, 1973/7

**Sample:**

**Non-Response:**

**N:** 222

---

**Measured Correlate**

**Class:** in recent past  
**Code:** H 5.1.1.1

**Measurement:** Weighted sum of possible answers to closed question: "Think back over what your life has been like during the past ten weeks. It may help to try to remember some of the specific things that happened to you, or which you did during this period. Your answers should add up to ten weeks. For what part of the time did you feel delighted about your life as a whole (answer A)... pleased (B)...mostly satisfied (C)... mixed-about equally satisfied and dissatisfied (D)...mostly dissatisfied (E)...unhappy (F)...terrible (G)"

Two measures were derived:

1. weighted sum: (1*A) + (2*B) + (3*C) + (4*D) + (5*E) + (6*F) + (7*G)
2. Regression weighted sum: 52.366 + (1.244*A) + (.869*B) - (1.507*E) - (2.373*F)

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v2/a</td>
<td>r=+.60</td>
<td>Measure 1: (weighted sum)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Index of positive affects: r=-.40</td>
</tr>
<tr>
<td></td>
<td>r=+.60</td>
<td>Measure 2: (regression weighted sum)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Index of negative affects: r=+.40</td>
</tr>
<tr>
<td>O-BW/cy/sq/l9/a</td>
<td>r=+.50</td>
<td>Measure 1: (weighted sum)</td>
</tr>
<tr>
<td></td>
<td>r=+.50</td>
<td>Measure 2: (regression weighted sum)</td>
</tr>
</tbody>
</table>

---

Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
Page 7 of 198
O-DT/u/sq/v/7/a $m_r=+.50$

HAP 4.1 asked thrice during the interview: at the beginning, in the middle and at the end.

**Measure 1: (simple weighted sum)**
- HAP 4.1 asked first: $r=+.50$
- HAP 4.1 asked second: $r=+.50$
- HAP 4.1 asked third: $r=+.50$

**Measure 2: (regression weighted sum)**
- $m_r=+.57$
- HAP 4.1 asked first: $r=+.50$
- HAP 4.1 asked second: $r=+.60$
- HAP 4.1 asked third: $r=+.60$

O-GBB/u/sq/c/9/a $r=+.40$

**Measure 1: (weighted sum)**
- $r=+.30$

**Measure 2: (regression weighted sum)**
- $r=+.30$

O-HL/c/sq/v/3/aa $r=+.50$

**Measure 1: (weighted sum)**
- $r=+.50$

**Measure 2: (regression weighted sum)**
- $r=+.50$

O-HL/u/sq/v/7/b $r=+.50$

**Measure 1: (weighted sum)**
- $r=+.50$

**Measure 2: (regression weighted sum)**
- $r=+.50$

O-SLW/u/sq/f/7/a $r=+.50$

**Measure 1: (weighted sum)**
- $r=+.50$

**Measure 2: (regression weighted sum)**
- $r=+.50$
Findings on Happiness & HAPPINESS CAREER

Study

**ANDRE 1976/5**

*Reported in:* Andrews, F.M. & Withey, S.B.

Social Indicators of Well-being: Americans' Perceptions of Life Quality

*Plenum Press, 1976, New York, USA*

*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/7

*Sample:*

*Non-Response:*

*N: 222*

**Measured Correlate**

*Class:* in recent past  
*Code: H 5.1.1.1*

*Measurement:* Single closed question rated on a graphic scale: "Where was your life five years ago?"

Rated on a 9-point graphic scale ranging from best life (9) to worst life (1). (HAP 3.1)

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>r=+.00</td>
<td></td>
</tr>
<tr>
<td>O-BW/cy/sq/l/9/a</td>
<td>r=+.20</td>
<td></td>
</tr>
</tbody>
</table>
| O-DT/u/sq/v/7/a  | mr=+.13 | HAP 4.1 asked thrice during the interview: at the beginning, in the middle and at the end. HAP 4.1 asked first: r=+.10  
HAP 4.1 asked second: r=+.10  
HAP 4.1 asked third: r=+.20 |
| O-GBB/u/sq/c/9/a | r=+.20 | |
| O-HL/c/sq/v/3/aa | r=-.00 | |
| O-HL/u/sq/v/7/b  | r=+.10 | |
| O-SLW/u/sq/f/7/a | r=+.20 | |
### Study BORTN 1970

- **Reported in:** Bortner, R.W. & Hultsch, D.F.
  
  A multivariate analysis of correlates of life satisfaction in adulthood
  

- **Population:** 21+ aged, general public, USA 1959

- **Sample:**

- **Non-Response:** 9%

- **N:** 1406

### Measured Correlate

- **Class:** in recent past  
  Code: H 5.1.1.1

- **Measurement:** Closed question rated on an 11-point self-anchoring scale, (Cantril past personal rating; see CANTR, 1965).

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-RG/h/sq/l/11/a</td>
<td>$r=+.18$</td>
<td></td>
</tr>
<tr>
<td>O-BW/c/sq/l/11/a</td>
<td>$r=+.36$</td>
<td></td>
</tr>
<tr>
<td>O-SLu/c/sq/l/11/a</td>
<td>$r=+.11$</td>
<td></td>
</tr>
</tbody>
</table>
**Study**  
**GORMA 1971**

*Reported in:* Gorman, B.S.  
A multivariate study of the relationship of cognitive control and cognitive style  
Unpublished doctoral dissertation, 1971, City University of New York, USA

*Population:* Undergraduate students, Nassau Community College, USA, 1970

*Sample:*  
*Non-Response:* 4%, 3% refusal, 1% incomplete information  
*N:* 67

### Measured Correlate

*Class:* . in recent past Code: H 5.1.1.1

*Measurement:* Closed question rated on an 11-point self-anchoring scale (Cantril past personal rating).

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=+.00</td>
<td>ns</td>
</tr>
<tr>
<td>O-BW/c/sq/l11/b</td>
<td>r=+.27</td>
<td>p&lt;.05</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
Page 11 of 198
Study    HALMA 1987

Reported in: Halman, L., Heunks, F., de Moor, R. and Zanders, H.
Traditie, secularisatie en individualisering. A study into the values of the Dutch in a

Population: 18+ aged, general public, EU nations, 1981
Sample:
Non-Response:
N: 12464

Measured Correlate

Class: . in recent past Code: H 5.1.1.1
Measurement: Direct question, rated on a 10 point scale (higher numbers
indicating higher satisfaction in past): "How satisfied or
dissatisfied would you say you were 5 years back?"

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/u/sq/v/4/a</td>
<td>Beta&lt;.1</td>
<td>France</td>
</tr>
<tr>
<td></td>
<td>Beta&lt;.1</td>
<td>Great-Britain</td>
</tr>
<tr>
<td></td>
<td>Beta&lt;.1</td>
<td>West Germany</td>
</tr>
<tr>
<td></td>
<td>Beta&lt;.1</td>
<td>Italy</td>
</tr>
<tr>
<td></td>
<td>Beta&lt;.1</td>
<td>Netherlands</td>
</tr>
<tr>
<td></td>
<td>Beta&lt;.1</td>
<td>Denmark</td>
</tr>
<tr>
<td></td>
<td>Beta&lt;.1</td>
<td>Belgium</td>
</tr>
<tr>
<td></td>
<td>Beta=.1</td>
<td>Spain</td>
</tr>
<tr>
<td></td>
<td>Beta=.1</td>
<td>Ireland</td>
</tr>
<tr>
<td></td>
<td>Beta&lt;.1</td>
<td>Northern Ireland</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

Correlate Code: H 5

Beta<.1

EC

Controlled for:
- Life satisfaction (HAPP 2.1), affect (AFF 2.3);
- Satisfaction with health, income and family life;
- Age, income, education, male sex, marital status,
  having children, work; urbanisation, type of dwelling,
  own home, religiousness, social participation;
  uncertainty about future, expected negative changes in income;
  satisfaction 5 years in future; tolerance, loneliness,
  misanthropy, hopelessness about life and sense of control.

O-SLW/c/sq/n/10/aa

Beta+.1

France

Beta=.1

Great-Britain

Beta+.1

West Germany

Beta+.1

Italy

Beta+.1

Netherlands

Beta+.1

Denmark

Beta+.2

Belgium

Beta+.3

Spain

Beta+.2

Ireland

Beta<.1

Northern Ireland

Beta+.1

EC

Beta's controlled for happiness (HAPP 1.1), affect (AFF 2.3);
- Satisfaction with health, income and family life;
- Age, income, education, marital status,
  having children, male sex, work; urbanisation, type of dwelling, own home, religiousness, social participation;
  uncertainty about future, expected negative changes in income;
  satisfaction 5 years in future; tolerance, loneliness, misanthropy, hopelessness about life and sense of control.
Study: VENTE 1997

Reported in: Ventegodt, S.
Livskvalitet og omstændigheder tidligt I livet (The quality of Life and Factors in Pregnancy, Birth and Infancy)
Forskningscenter for Livskvalitet, Forskningscentrets Forlag, København, Denmark, ISBN 8790190130

Population: 31-33 aged, born at the university hospital, Denmark, 1993
Sample: Non-probability chunk sample
Non-Response: 36%
N: 4626

Measured Correlate

Class: in recent past Code: H 5.1.1.1
Measurement: the beginning of life: overview (mean of 3 domains)
1a: very poor
2a: poor
3a: neither/nor
4a: good
5a: very good
the beginning of life: overview (extremeized)
1b: very poor
2b: poor
3b: neither/nor
4b: good
5b: very good

Measured Values:
N: all a:4355, %:1a:3, 2a:15, 3a:35, 4a:36, 5a:12
N: all b:4355, %:1b:-, 2b:0,4, 3b:80, 4b:19, 5b:1

Error Estimates:
Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-AOL/m/sq/v/5/a r=+.00 ns
1a: Mt = 7.74
2a: Mt = 7.73
3a: Mt = 7.70
4a: Mt = 7.75
5a: Mt = 7.74
All: Mt = 7.73

r=+.01 ns
1b: Mt =-
2b: Mt = 7.81
3b: Mt = 7.71
4b: Mt = 7.81
5b: Mt = 7.39
All: Mt = 7.73
Findings on Happiness & HAPPINESS CAREER  

Correlate Code: H 5

O-HL/c/sq/v/5/h  r=+.01  ns  
1a: Mt = 6.91  
2a: Mt = 7.01  
3a: Mt = 6.96  
4a: Mt = 7.08  
5a: Mt = 6.96  
All  Mt = 7.01  

r=+.01  ns  
1b: Mt =  
2b: Mt = 7.35  
3b: Mt = 6.99  
4b: Mt = 7.14  
5b: Mt = 6.16  
All  Mt = 7.01  

O-SLu/c/sq/v/5/e  r=+.01  ns  
1a: Mt = 7.35  
2a: Mt = 7.38  
3a: Mt = 7.39  
4a: Mt = 7.43  
5a: Mt = 7.40  
All  Mt = 7.40  

r=+.01  ns  
1b: Mt =  
2b: Mt = 7.35  
3b: Mt = 7.39  
4b: Mt = 7.49  
5b: Mt = 7.05  
All  Mt = 7.40
**Study**

*ZUMA 1989*

**Reported in:** Zentrum fur Umfrageforschung MAnnheim (ZUMA)


**Population:** 18+ aged, general public, West-Germany, 1978-88

**Sample:**

**Non-Response:** ?

**N:** varies from about 2000 - 2300

---

**Measured Correlate**

**Class:** . in recent past  Code: H 5.1.1.1

**Measurement:** Question: 'What do you think, how satisfied were you with your life, 5 years ago?'

0 very unsatisfied
10 very satisfied

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/4/b</td>
<td><strong>SNR=</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>[\eta]</td>
<td>[G]</td>
</tr>
<tr>
<td>1978</td>
<td>+.20</td>
<td>+.25</td>
</tr>
<tr>
<td>1980</td>
<td>+.20</td>
<td>+.26</td>
</tr>
<tr>
<td>1984</td>
<td>+.19</td>
<td>+.25</td>
</tr>
<tr>
<td>1988</td>
<td>+.20</td>
<td>+.23</td>
</tr>
</tbody>
</table>

ß's controlled for age, gender, perceived class and marital status.

<table>
<thead>
<tr>
<th>O-SLW/c/sq/n/11/b</th>
<th><strong>SNR=</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[\eta]</td>
<td>[G]</td>
</tr>
<tr>
<td>1978</td>
<td>+.52</td>
<td>+.55</td>
</tr>
<tr>
<td>1980</td>
<td>+.48</td>
<td>+.48</td>
</tr>
<tr>
<td>1984</td>
<td>+.43</td>
<td>+.46</td>
</tr>
<tr>
<td>1988</td>
<td>+.48</td>
<td>+.73</td>
</tr>
</tbody>
</table>

ß's controlled for age, gender, perceived class and marital status.
### Study: ABRAM 1972

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


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

**Sample:**

**Non-Response:**

| N: | 213 |

**Page in Report:** 21

### Measured Correlate

**Class:** In specific periods in the past

**Measurement:**

Past happiness rated on an 11-point self-anchoring scale (Cantril, 1965). Ss were shown a ladder going from complete dissatisfaction, 0 to complete satisfaction, 10 and asked: "Where would you put yourself as you were about 4 or 5 years ago?"

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/l/11/b</td>
<td>r=+.62</td>
<td></td>
</tr>
<tr>
<td>Study</td>
<td>CRITE 1977</td>
<td>Page in Report: 721</td>
</tr>
<tr>
<td>-------</td>
<td>------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Reported in:</td>
<td>Critelli, J.W.</td>
<td></td>
</tr>
<tr>
<td>Romantic attraction and happiness</td>
<td>Psychological Reports; 1977; vol.41; p.721-722</td>
<td></td>
</tr>
<tr>
<td>Population:</td>
<td>Dating couples, midwest university, USA, 1975</td>
<td></td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N:</td>
<td>61</td>
<td></td>
</tr>
</tbody>
</table>

### Measured Correlate

**Class:** . in specific periods in the past  Code: H 5.1.1.2

**Measurement:** Question on how happy respondents were at time just before dating partner: Unhappy, not very happy, fairly happy, happy, very happy

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-H/?/c/sq/v/5/a</td>
<td>r=+</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Males</td>
<td>r=+.09 (ns)</td>
</tr>
<tr>
<td></td>
<td>Females</td>
<td>r=+.27 (05)</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

Study **ORMEL 1980**

**Reported in:** Ormel, H.
Moeite met leven of een moeilijk leven (Difficulty in living or a difficult life)
Dissertation 1980, University of Groningen, the Netherlands, publisher: Konstaapel,
Groningen, the Netherlands.

**Population:** 15-60 aged, general public, followed 12 month, The Netherlands, 1967-77

**Sample:**

**Non-Response:** 18%

**N:** 296

---

### Measured Correlate

**Class:** in specific periods in the past  
**Code:** H 5.1.1.2

**Measurement:** Rated by the interviewer on a 3-point scale (3=unhappy).  
Assessed at T2(1976)

---

### Measured Values:

### Error Estimates:

### Remarks:

---

### Observed Relation with Happiness

**Happiness Query**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cw/mq/v/4/c</td>
<td>r=-.24 p&lt;.01</td>
<td>T2 happiness by T2 unhappy childhood as judged by Ss.</td>
</tr>
<tr>
<td></td>
<td>r=-.24 p&lt;.01</td>
<td>T2 happiness by T2 unhappy childhood as judged by interviewer.</td>
</tr>
</tbody>
</table>

---
### Study

**WESSM 1956**

- **Reported in:** Wessman, A.E.
  A psychological inquiry into satisfaction and happiness
- **Population:** 21+ aged, general public, non-institutionalized, USA, 1946
- **Sample:**
- **Non-Response:** -
- **N:** 2377

### Measured Correlate

- **Class:** . in specific periods in the past  Code: H 5.1.1.2
- **Measurement:** Question whether one was happier when single:
  0 No
  1 Yes

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/g/sq/v/3/c</td>
<td>G=+.39</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>

*Computed for marrieds only.*
Findings on Happiness & HAPPINESS CAREER

Study

**WESSM 1956**

**Reported in:** Wessman, A.E.
A psychological inquiry into satisfaction and happiness

**Population:** 21+ aged, general public, non-institutionalized, USA, 1946

**Sample:**

**Non-Response:** -

**N:** 2377

**Measured Correlate**

**Class:** . happiest period in life Code: H 5.1.1.3

**Measurement:** Open-ended direct question: 'Other periods vs period mentioned.'

- a. Childhood, school days, college, when I was single
- b. Now, recently, until now
- c. Married life
- d. Having babies, raising children, when children were small
- e. Failing in love, getting married, early married life
- f. When family was together, before husband or wife died
- g. Early working days
- h. Always happy
- i. Never happy
- j. No opinion

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**
<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/g/sq/v/3/c</td>
<td>G=-.32</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>G=+.23</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>G=+.36</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>G=+.10</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>G=-.07</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>G=-.16</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>G=-.48</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>G=+.47</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>G=-1.0</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>G=-.37</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>
### Study: WESSM 1956

**Reported in:** Wessman, A.E.  
A psychological inquiry into satisfaction and happiness  

**Population:** 21+ aged, general public, non-institutionalized, USA, 1946

**Sample:**

**Non-Response:** -

**N:** 2377

### Measured Correlate

- **Class:** happiest period in life  
  Code: H 5.1.1.3

- **Measurement:**
  - A. Marriage and family life (3+4+5+6)
  - B. Childhood, youth and early adulthood (1+7)
  - C. Other and no opinion

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/g/sq/v/3/c</td>
<td>G=+.17</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>G=-.35</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>G=-.05</td>
<td>ns</td>
</tr>
</tbody>
</table>
**Study**  
**ANDRE 1976/4**  
*Reported in:* Andrews, F.M. & Withey, S.B.  
*Social Indicators of Well-being: Americans' Perceptions of Life Quality*  
Plenum Press, 1976, New York, USA  
*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/3  
*Sample:*  
*Non-Response:* 26%  
*N:* 1433

---

**Measured Correlate**

*Class:* extremes of happiness experienced  
*Code: H 5.1.1.4*

*Measurement:* Closed question: "Where on the ladder was your worst week in the past year - on which rung?"  
Rated on a 9-point graphic scale ranging from best life (9) to worst life (1). (HAP 3.1)

*Measured Values:*  
*Error Estimates:*  
*Remarks:*  

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/cy/sq/l/9/a</td>
<td>r=+.52</td>
<td></td>
</tr>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>mr=+.31</td>
<td>HAP 4.1 asked twice: at the beginning of the interview: r=+.32 at the end of the interview: r=+.30</td>
</tr>
<tr>
<td>O-DT/u/sqt/v/7/a</td>
<td>r=+.33</td>
<td></td>
</tr>
<tr>
<td>O-GBB/u/sq/c/9/a</td>
<td>r=+.41</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

**Study**

**ANDRE 1976/4**

*Reported in:* Andrews, F.M. & Withey, S.B.
*Social Indicators of Well-being: Americans' Perceptions of Life Quality*
*Plenum Press, 1976, New York, USA*

*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/3

*Sample:*

*Non-Response:* 26%

*N:* 1433

---

**Measured Correlate**

*Class:* extremes of happiness experienced
*Code:* H 5.1.1.4

*Measurement:* Closed question: "Where on the ladder was your best week in the past year - on which rung would you put it?"
Rated on a 9-point graphic scale ranging from best life (9) to worst life (1). (HAP 3.1)

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/cy/sq/l/9/a</td>
<td>r=+.68</td>
<td></td>
</tr>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>mr=+.45</td>
<td>HAP 4.1 asked twice: at the beginning of the interview: r=+.45 at the end of the interview: r=+.44</td>
</tr>
<tr>
<td>O-DT/u/sqt/v/7/a</td>
<td>r=+.48</td>
<td></td>
</tr>
<tr>
<td>O-GBB/u/sq/c/9/a</td>
<td>r=+.52</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

**Study**

**ANDRE 1976/4**

*Reported in:* Andrews, F.M. & Withey, S.B.
Social Indicators of Well-being: Americans' Perceptions of Life Quality
Plenum Press, 1976, New York, USA

*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/3

*Sample:
Non-Response:* 26%
*N:* 1433

**Measured Correlate**

*Class:* Extremes of happiness experienced  
*Code:* H 5.1.1.4

*Measurement:* Difference in response to two questions
1. "Where on the ladder was your best week in the past year - on which rung would you put it?"
2. "Where on the ladder was your worst week during the past year - on which rung?"

Both rated on a 9-point graphic scale ranging from best life (9) to worst life (1). (HAP 3.1)

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/cy/sq/l/9/a</td>
<td>r=+.00</td>
<td></td>
</tr>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>m_r=+.04</td>
<td>HAP 4.1 asked twice: at the beginning of the interview: r=+.03 at the end of the interview: r=+.04</td>
</tr>
<tr>
<td>O-DT/u/sqt/v/7/a</td>
<td>r=+.04</td>
<td></td>
</tr>
<tr>
<td>O-GBB/u/sq/c/9/a</td>
<td>r=+.00</td>
<td></td>
</tr>
</tbody>
</table>
### Study

**ANDRE 1976/5**

- **Reported in:** Andrews, F.M. & Withey, S.B.
  
  Social Indicators of Well-being: Americans' Perceptions of Life Quality
  
  Plenum Press, 1976, New York, USA

- **Population:** 18+ aged, general public, non-institutionalized, USA, 1973/7

- **Sample:**

- **Non-Response:** N: 222

### Measured Correlate

- **Class:** extremes of happiness experienced  
  
  Code: H 5.1.1.4

- **Measurement:** Closed question rated on a graphic scale: "Where on the ladder was your best week in the past year - on which rung would you put it?"

  Rated on a 9-point scale ranging from best life (9) to worst life (0).

  (HAP 3.1)

### Measured Values:

### Error Estimates:

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>r = +.20</td>
<td></td>
</tr>
<tr>
<td>O-BW/cy/sq/l/9/a</td>
<td>r = +.50</td>
<td></td>
</tr>
</tbody>
</table>
| O-DT/u/sq/v/7/a  | mr = +.27 | HAP 4.1 asked thrice during the interview: at the beginning, in the middle and at the end. Correlations with HAP 3.1 (asked once): HAP 4.1 asked first: r = +.30  
  HAP 4.1 asked second: r = +.20  
  HAP 4.1 asked third: r = +.30 |
| O-GBB/u/sq/c/9/a  | r = +.30 |         |
| O-HL/c/sq/v/3/aa  | r = -.20 |         |
| O-HL/u/sq/v/7/b   | r = +.30 |         |
| O-SLW/u/sq/f/7/a  | r = +.30 |         |
Findings on Happiness & HAPPINESS CAREER

**Study**

**ANDRE 1976/5**

*Reported in:* Andrews, F.M. & Withey, S.B.
Social Indicators of Well-being: Americans’ Perceptions of Life Quality
Plenum Press, 1976, New York, USA

*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/7

*Non-Response:* N: 222

---

**Measured Correlate**

*Class:* extremes of happiness experienced Code: H 5.1.1.4

*Measurement:* Closed question rated on a graphic scale: "Where on the ladder was your worst week - on which rung?"
Rated on a 9-point graphic scale ranging from best life (9) to worst life (1). (HAP 3.1)

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>r=+.20</td>
<td></td>
</tr>
<tr>
<td>O-BW/cy/sq/l/9/a</td>
<td>r=+.40</td>
<td></td>
</tr>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>mr=+.30</td>
<td>HAP 4.1 asked thrice during the interview: at the beginning, in the middle and at the end. Correlations with HAP 3.1 (asked once): HAP 4.1 asked first: r=+.30 HAP 4.1 asked second: r=+.30 HAP 4.1 asked third: r=+.30</td>
</tr>
<tr>
<td>O-GBB/u/sq/c/9/a</td>
<td>r=+.20</td>
<td></td>
</tr>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=-.20</td>
<td></td>
</tr>
<tr>
<td>O-HL/u/sq/v/7/b</td>
<td>r=-.40</td>
<td></td>
</tr>
<tr>
<td>O-SLW/u/sq/f/7/a</td>
<td>r=+.20</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER Correlate Code: H 5

Three direct questions, each rated on a 10 point scale: "How satisfied or dissatisfied are you with your life as a whole these days?", "And how about your life five years back?" and "How satisfied or dissatisfied you think you’ll be five years from now?".

Respondents were grouped into 9 categories to present satisfaction with life being:
1 Higher than past, lower than future
2 Higher than past, equal to future
3 Higher than past, higher than future
4 Equal to past, lower than future
5 Equal to past, equal to future
6 Equal to past, higher than future
7 Lower than past, lower than future
8 Lower than past, equal to future
9 Lower than past, higher than future

Measured Correlate

Class: Retrospective changes in happiness (unspecified) Code: H 5.1.2
Measurement: Three direct questions, each rated on a 10 point scale: 'How satisfied or dissatisfied are you with your life as a whole these days?', 'And how about your life five years back?' and 'How satisfied or dissatisfied you think you’ll be five years from now?'.

Measured Values:

Conclusion: Respondents with higher or equal

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-HL/u/sq/v/4/a DMt=
1 Mt' = 7.36
2 Mt' = 7.94
3 Mt' = 7.51
4 Mt' = 7.16
5 Mt' = 7.74
6 Mt' = 7.34
7 Mt' = 6.52
8 Mt' = 6.28
9 Mt' = 6.55

Conclusion: Respondents with higher or equal

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness Page 29 of 198
satisfaction 'now' compared to the 'past', are 
happier than those with lower satisfaction 
regardless of expectations about the future.
**Findings on Happiness & HAPPINESS CAREER**

**ABRAM 1972**

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

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

*Sample:*

*Non-Response:* 213

*N:* 213

---

**Measured Correlate**

*Class:* recent change  
*Measurement:* Difference in scores on questions on satisfaction with life now, and 5 years ago. Each rated on an 11-point self-anchoring scale (Cantril, 1965)

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

*Happiness Query*  
Statistics  
Remarks

O-SLW/c/sq/l/11/b  
r = +.62
Study **ABRAM 1972**

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

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

*Sample:*

*Non-Response:*

*N:* 213

---

**Measured Correlate**

*Class:* . recent change Code: H 5.1.2.1

*Measurement:* Closed question on satisfaction now compared with 4 or 5 years ago
lot less / little less / same / little
more / lot more

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/l/11/b</td>
<td>r =+.40</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER  
Correlate Code: H 5

Study  
**ANDRE 1976/4**  
*Reported in:* Andrews, F.M. & Withey, S.B.  
Social Indicators of Well-being: Americans' Perceptions of Life Quality  
Plenum Press, 1976, New York, USA

*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/3

*Sample:*  
*Non-Response:* 26%

+N: 1433

**Measured Correlate**

*Class:* recent change  
*Code:* H 5.1.2.1

*Measurement:*  
Difference in response to the following questions:
1. “Where was your life most of the time during the past year?”
2. “Where was your life five years ago?”
Both rated on a 9-point graphic scale ranging from best life (9) to worst life (1). (HAP 3.1)

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/cy/sq/l/9/a</td>
<td>r = +.37</td>
<td></td>
</tr>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>mr = +.18</td>
<td>HAP 4.1 asked twice: at the beginning of the interview: r = +.17 at the end of the interview: r = +.18</td>
</tr>
<tr>
<td>O-DT/u/sqt/v/7/a</td>
<td>r = +.19</td>
<td></td>
</tr>
<tr>
<td>O-GBB/u/sq/c/9/a</td>
<td>r = +.15</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

**Study**

**ANDRE 1976/5**

*Reported in:* Andrews, F.M. & Withey, S.B.
Social Indicators of Well-being: Americans' Perceptions of Life Quality
Plenum Press, 1976, New York, USA

*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/7

*Sample:*

*Non-Response:*

*N:* 222

---

**Measured Correlate**

*Class:* recent change  
*Code:* H 5.1.2.1

*Measurement:* Difference in response to two questions:
1. "Where was your life most of the time during the past year?"
2. "Where was your life five years ago?"

Rated on a 9-point graphic scale ranging from best life (9) to worst life (0). (HAP 3.1)

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v2/a</td>
<td>r=+.20</td>
<td></td>
</tr>
<tr>
<td>O-BW/cy/sq/l9/a</td>
<td>r=+.40</td>
<td></td>
</tr>
</tbody>
</table>
| O-DT/u/sq/v7/a  | mr=+.20    | HAP 4.1 asked thrice during the interview: at the beginning, in the middle and at the end.  
HAP 4.1 asked first : r=+.20  
HAP 4.1 asked second: r=+.20  
HAP 4.1 asked third : r=+.20 |
| O-GBB/u/sq/c9/a | r=+.10     |         |
| O-HL/c/sq/v3/aa | r=+.20     |         |
| O-HL/u/sq/v7/b  | r=+.20     |         |
| O-SLW/u/sq/f7/a | r=+.20     |         |

---

Print date: 7-2-2003  
World Database of Happiness: [www.eur.nl/fsw/research/happiness](http://www.eur.nl/fsw/research/happiness)  
Page 34 of 198
Findings on Happiness & HAPPINESS CAREER

**Study**

**ANDRE 1976/5**

**Reported in:** Andrews, F.M. & Withey, S.B.
Social Indicators of Well-being: Americans' Perceptions of Life Quality
Plenum Press, 1976, New York, USA

**Population:** 18+ aged, general public, non-institutionalized, USA, 1973/7

**Sample:**

**Non-Response:**

**N:** 222

---

**Measured Correlate**

**Class:** recent change  
**Code:** H 5.1.2.1

**Measurement:** Difference in response to two single direct questions:
1. "Where on the ladder was your best week in the past year - on which rung would you put it?"
2. "Where on the ladder was your worst week during the past year - on which rung?"
Rated on a 9-point graphic scale ranging from best life (9) to worst life (1). (HAP 3.1)

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

**Happiness Query** | **Statistics** | **Remarks**
--- | --- | ---
A-BB/cm/mq/v/2/a | r=-.10 |  
O-BW/cy/sq/l/9/a | r=-.00 |  
O-DT/u/sq/v/7/a | mr=-.00 | HAP 4.1 asked thrice during the interview: at the beginning, in the middle and at the end. HAP 4.1 asked first: r=-.00 HAP 4.1 asked second: r=-.00 HAP 4.1 asked third: r=-.00  
O-GBB/u/sq/c/9/a | r=-.00 |  
O-HL/c/sq/v/3/aa | r=+.10 |  
O-HL/u/sq/v/7/b | r=-.00 |  
O-SLW/u/sq/f/7/a | r=-.00 |  

---

Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
Page 35 of 198
### Study

**BORTN 1970**

**Reported in:** Bortner, R.W. & Hultsch, D.F.
A multivariate analysis of correlates of life satisfaction in adulthood

**Population:** 21+ aged, general public, USA 1959

**Sample:**
**Non-Response:** 9%
**N:** 1406

### Measured Correlate

**Class:** Recent change  Code: H 5.1.2.1

**Measurement:** Difference in scores on questions on satisfaction with life now, and 5 years ago (Cantril present and past personal ratings; see CANTR, 1965).

### Measured Values:

- Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-RG/h/sq/l/11/a</td>
<td>r=+.16</td>
<td></td>
</tr>
<tr>
<td>O-BW/c/sq/l/11/a</td>
<td>r=+.24</td>
<td></td>
</tr>
<tr>
<td>O-SLu/c/sq/l/11/a</td>
<td>r=+.45</td>
<td></td>
</tr>
</tbody>
</table>

**Print date:** 7-2-2003  
**World Database of Happiness:** www.eur.nl/fsw/research/happiness  
**Page 36 of 198**
Findings on Happiness & HAPPINESS CAREER  Correlate Code: H 5


Reported in:  Gorman, B.S.
A multivariate study of the relationship of cognitive control and cognitive style
Unpublished doctoral dissertation, 1971, City University of New York, USA

Population:  Undergraduate students, Nassau Community College, USA, 1970
Sample:
Non-Response:  4%, 3% refusal, 1% incomplete information
N: 67

Measured Correlate

Class:  recent change  Code: H 5.1.2.1
Measurement:  Actual differences in scores on questions on satisfaction with life now, and 5 years ago (Cantril present and past personal ratings; see Cantril, 1965).

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=+.03</td>
<td>ns</td>
</tr>
<tr>
<td>O-BW/c/sq/l/11/b</td>
<td>r=+.09</td>
<td>ns  See also &quot;Perceived past happiness&quot; (H 1.4.1)</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

Correlate Code: H 5

Study  HEADE 1986 Page in Report: 21

Reported in: Headey, B.; Wearing, A.
Paper presented at Conference of the International Sociological Association, Quality of Life Panel, New Delhi, 18-24 August, 1986

Population: 18-65 aged, general public, Victoria, Australia, followed from 1981 to 1985 in two 24 months periods

Sample: Probability stratified sample

Non-Response: 0

N: 942

Measured Correlate

Class: . recent change Code: H 5.1.2.1

Measurement: Happiness was measured by asking twice in the interview:
"How do you feel about your life as a whole......?"
Scored on a 1-7 DT rating scale, taking the arithmetic mean

Measured Values:

Error Estimates:

Remarks: Happiness was assessed at 1981, 1983 and 1985

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/u/sqrt/v/7/a</td>
<td>r=.63</td>
<td>Happiness at T1 by Happiness at T2 (24 months) Happiness was assessed at 1981, 1983 and 1985</td>
</tr>
<tr>
<td></td>
<td>r=.56</td>
<td>Happiness at T2 by Happiness at T3 (24 months)</td>
</tr>
<tr>
<td></td>
<td>r=.43</td>
<td>Happiness at T1 by Happiness at T3 (48 months)</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

Study: NEAR 1978

Reported in: Near, J.P., Rice, R.W. & Hunt, R.G.
Work and extra-work correlates of life and job satisfaction

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

Sample:
Non-Response:
N: 384

Measured Correlate

Class: long term change Code: H 5.1.2.2

Measurement: ‘Over your lifetime, has the quality of your life: improved/
stayed the same/ gotten worse’

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-SLW/c/sq/v/5/d r=.31 p<.001
Findings on Happiness & HAPPINESS CAREER

**Study**

**ANDRE 1976/5**

**Page in Report:** 92

**Reported in:** Andrews, F.M. & Withey, S.B.

*Social Indicators of Well-being: Americans’ Perceptions of Life Quality*

Plenum Press, 1976, New York, USA

**Population:** 18+ aged, general public, non-institutionalized, USA, 1973/7

**Sample:**

**Non-Response:**

N: 222

**Measured Correlate**

**Class:** perceived stability of feelings about life  
**Code:** H 5.1.2.3

**Measurement:** Closed question on variability in feelings about life, rated on a 7-point scale: up and down and changing...even and steady and stays the same."

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| A-BB/cm/mq/v/2/a | r=+.20     | Index of positive affects: r=+.10  
                   |            | Index of negative affects: r=+.30 |
| O-BW/cy/sq/l9/a | r=+.10     |         |
| O-DT/u/sq/v/7/a | mr=+.17    | HAP 4.1 asked thrice during the interview:  
                   |            | at the beginning, in the middle and at the end.  
                   |            | HAP 4.1 asked first : r=+.20  
                   |            | HAP 4.1 asked second: r=+.20  
                   |            | HAP 4.1 asked third : r=+.10 |
| O-GBB/u/sq/c/9/a | r=-.00     |         |
| O-HL/c/sq/v/3/aa | r=-.10     |         |
| O-HL/u/sq/v/7/b | r=+.10     |         |
| O-SLW/u/sq/f/7/a | r=+.10     |         |
Findings on Happiness & HAPPINESS CAREER

**Study**

**ANDRE 1976/5**

*Reported in:* Andrews, F.M. & Withey, S.B.
Social Indicators of Well-being: Americans' Perceptions of Life Quality
Plenum Press, 1976, New York, USA

*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/7

*Sample*

*Non-Response:*

*N:* 222

---

**Measured Correlate**

*Class:* perceived stability of feelings about life  Code: H 5.1.2.3

*Measurement:*
Closed question: "Please indicate how much your feelings about life as a whole change from month to month", rated on a 7-point scale, ranging from "my feelings about this never change" to "my feelings about this change a great deal".

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>r=-.30</td>
<td>Index of positive affects: r=-.20 Index of negative affects: r=+.20</td>
</tr>
<tr>
<td>O-BW/cy/sq/l/9/a</td>
<td>r=-.20</td>
<td></td>
</tr>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>m=-.27</td>
<td>HAP 4.1 asked thrice during the interview: at the beginning, in the middle and at the end. HAP 4.1 asked first: r=-.30 HAP 4.1 asked second: r=-.20 HAP 4.1 asked third: r=-.30</td>
</tr>
<tr>
<td>O-GBB/u/sq/c/9/a</td>
<td>r=-.20</td>
<td></td>
</tr>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=+.20</td>
<td></td>
</tr>
<tr>
<td>O-HL/u/sq/v/7/b</td>
<td>r=-.30</td>
<td></td>
</tr>
<tr>
<td>O-SLW/u/sq/f/7/a</td>
<td>r=-.20</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

Page 42 of 198

Study

ANDRE 1976/5

Reported in: Andrews, F.M. & Withey, S.B.
Social Indicators of Well-being: Americans' Perceptions of Life Quality
Plenum Press, 1976, New York, USA

Population: 18+ aged, general public, non-institutionalized, USA, 1973/7

Sample:
Non-Response:

N: 222

Measured Correlate

Class: perceived stability of feelings about life Code: H 5.1.2.3
Measurement: Closed question on variability in feelings about life, rated on a 7-point scale: up and down and changing...even and steady and stays the same."

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query | Statistics | Remarks
--- | --- | ---
O-DT/u/sq/v7/a | mr=+.17 | HAP 4.1 asked thrice during the interview: at the beginning, in the middle and at the end.

HAP 4.1 asked first: r=+.20
HAP 4.1 asked second: r=+.20
HAP 4.1 asked third: r=+.10
Study ANDRE 1976/5

Reported in: Andrews, F.M. & Withey, S.B.
Social Indicators of Well-being: Americans' Perceptions of Life Quality
Plenum Press, 1976, New York, USA

Population: 18+ aged, general public, non-institutionalized, USA, 1973/7
Sample:
Non-Response:
N: 222

Measured Correlate

Class: . perceived stability of feelings about life Code: H 5.1.2.3
Measurement: Closed question: “Please indicate how much your feelings about life as a whole change from month to month”, rated on a 7-point scale, ranging from "my feelings about this never change" to "my feelings about this change a great deal".

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>mr=-.27</td>
<td>HAP 4.1 asked thrice during the interview: at the beginning, in the middle and at the end. HAP 4.1 asked first : r=-.30, HAP 4.1 asked second: r=-.20, HAP 4.1 asked third : r=-.30</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness Page 43 of 198
Findings on Happiness & HAPPINESS CAREER  
Correlate Code: H 5

Study  KAMMA 1983/2  
Reported in: Kammann, R.; Flett, R.  
Sourcebook for Measuring Well-being with Affectometer 2.  
Population: 18+ aged, general public, Dunedin, New Zealand, 1983  
Sample:  
Non-Response: 52%  
N: 112  

Measured Correlate

Class: Expected level of happiness (period unspecified)  Code: H 5.1.3  
Measurement: Single direct question how one felt during the instructed time period (or otherwise in the past few weeks): "My future looks good"  
Rated on a 5-point scale ranging from 'not at all' to 'all the time'  

Measured Values:  
Error Estimates:  
Remarks:  

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BK/cm/mg/v5/a</td>
<td>r=+.61</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td>M-FH/c/sq/v7/a</td>
<td>r=+.64</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
Page 44 of 198
Findings on Happiness & HAPPINESS CAREER
Correlate Code: H 5

### Study

**KAMMA 1983/2**

**Reported in:** Kammann, R.; Flett, R.
Sourcebook for Measuring Well-being with Affectometer 2.

**Population:** 18+ aged, general public, Dunedin, New Zealand, 1983

**Sample:**

**Non-Response:** 52%

**N:** 112

### Measured Correlate

**Class:** Expected level of happiness (period unspecified) Code: H 5.1.3

**Measurement:** Single direct question how one felt during the instructed time period (or otherwise in the past few weeks):
*I feel as though the best years of my life are over*
Rated on a 5-point scale ranging from 'not at all' to 'all the time'

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BK/cm/mq/v/5/a</td>
<td>r=-.43</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td>M-FH/c/sq/v/7/a</td>
<td>r=-.35</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 45 of 198
Findings on Happiness & HAPPINESS CAREER

Study  
**LEISU 1980/1**  
*Reported in:* The Leisure Development Center, 1980  
A 13 country survey of values.  
Table book for the 1980 International Conference on Human Values. The Leisure Development Center, Tokyo.

*Population:* 18+ aged, general public, Australia, 1979

*Sample:*

*Non-Response:*

*N: 1104*

**Measured Correlate**

*Class:* Expected level of happiness (period unspecified)  
*Code:* H 5.1.3

*Measurement:* Single direct question: "How much hope or expectation do you have for your future life?"
1. not hopeful at all
2. fairly hopeless
3. neither hopeful nor hopeless
4. fairly hopeful
5. very hopeful

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/5/e</td>
<td>G=+.51</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>tb=+.32</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/a</td>
<td>G=+.52</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>tb=+.31</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

Study LEISU 1980/2

Reported in: The Leisure Development Center, 1980
A 13 country survey of values
Table book for the 1980 International Conference on Human Values. The Leisure Development Center, Tokyo

Population: Adult, general public, metropolitan areas Brazil, 1979

Sample: N: 1000
Non-Response:

Measured Correlate

Class: Expected level of happiness (period unspecified) Code: H 5.1.3

Measurement: Single direct question: "How much hope or expectation do you have for your future life?"
1. not hopeful at all
2. fairly hopeless
3. neither hopeful nor hopeless
4. fairly hopeful
5. very hopeful

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/5/e</td>
<td>G=+.39</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>tb=+.24</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/a</td>
<td>G=+.34</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>tb=+.22</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003

World Database of Happiness: www.eur.nl/fsw/research/happiness

Page 47 of 198
Findings on Happiness & HAPPINESS CAREER  

**Study**  
**LEISU 1980/3**  
*Reported in:* The Leisure Development Center.  
A 13 country survey of values  
Table book for the 1980 International Conference on Human Values, The Leisure Development Center, Tokyo  
*Population:* 18+ aged, general public, Canada, 1979  
*Sample:*  
*Non-Response:*  
*N:* 1012  

### Measured Correlate  
*Class:* Expected level of happiness (period unspecified)  
*Code:* H 5.1.3  
*Measurement:* Single direct question: "How much hope or expectation do you have for your future life?"  
1. not hopeful at all  
2. fairly hopeless  
3. neither hopeful nor hopeless  
4. fairly hopeful  
5. very hopeful  

### Measured Values:  

### Error Estimates:  

### Remarks:  

### Observed Relation with Happiness  

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/5/e</td>
<td>G=+.19</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>tb=+.11</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/a</td>
<td>G=+.53</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>tb=+.32</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
Page 48 of 198
Findings on Happiness & HAPPINESS CAREER

Study  
**LEISU 1980/4**

*Reported in:* The Leisure Development Center, 1980
A 13 country survey of values
Tablebook for the 1980 International Conference on Human Values. The Leisure Development Center, Tokyo

*Population:* 18+ aged, general public, France, 1979

*Sample:
*Non-Response:

**Measured Correlate**

*Class:* Expected level of happiness (period unspecified)  Code: H 5.1.3

*Measurement:* Single direct question: "How much hope or expectation do you have for your future life?"
1. not hopeful at all
2. fairly hopeless
3. neither hopeful nor hopeless
4. fairly hopeful
5. very hopeful

*Measured Values:
*Error Estimates:

*Remarks:

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/5/e</td>
<td>G=+.30</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>tb=+.21</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/a</td>
<td>G=+.17</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>tb=+.12</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

**Study**
LEISU 1980/5

*Reported in*: The Leisure Development Center, 1980
A 13 country survey of values
Table book for the 1980 International Conference on Human Values. The Leisure Development Center, Tokyo.

*Population*: 18+ aged, general public, India, 1979

*Sample*

*Non-Response*: 1000

*Measured Correlate*

*Class*: Expected level of happiness (period unspecified) Code: H 5.1.3

*Measurement*: Single direct question: "How much hope or expectation do you have for your future life?"
1. not hopeful at all
2. fairly hopeless
3. neither hopeful nor hopeless
4. fairly hopeful
5. very hopeful

*Measured Values*

*Error Estimates*

Remarks:

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/5/e</td>
<td>G=+.50</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>tb=+.35</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/a</td>
<td>G=+.51</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>tb=+.34</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness
Findings on Happiness & HAPPINESS CAREER

Study

LEISU 1980/6

Reported in: The Leisure Development Center, 1980
A 13 country survey of values
Tablebook for the 1980 International Conference on Human Values. The Leisure Development Center, Tokyo

Population: 18+ aged, general public, Italy, 1979

Sample:

Non-Response:

N: 1042

Measured Correlate

Class: Expected level of happiness (period unspecified) Code: H 5.1.3

Measurement: Single direct question: "How much hope or expectation do you have for your future life?"
1. not hopeful at all
2. fairly hopeless
3. neither hopeful nor hopeless
4. fairly hopeful
5. very hopeful

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/5/e</td>
<td>G=+.36 p&lt;.01</td>
<td></td>
</tr>
<tr>
<td></td>
<td>tb=+.25 p&lt;.01</td>
<td></td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/a</td>
<td>G=+.32 p&lt;.01</td>
<td></td>
</tr>
<tr>
<td></td>
<td>tb=+.22 p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness Page 51 of 198
Findings on Happiness & HAPPINESS CAREER

Study LEISU 1980/7

- **Reported in:** The Leisure Development Center, 1980
  - A 13 country survey of values
  - Tablebook for the 1980 International Conference on Human Values. The Leisure Development Center, Tokyo

- **Population:** 18+ aged, general public, Japan, 1979

- **Sample:**

- **Non-Response:**
  - **N:** 1574

---

**Measured Correlate**

**Class:** Expected level of happiness (period unspecified)  Code: H 5.1.3

**Measurement:** Single direct question: "How much hope or expectation do you have for your future life?"
1. not hopeful at all
2. fairly hopeless
3. neither hopeful nor hopeless
4. fairly hopeful
5. very hopeful

- **Measured Values:**
- **Error Estimates:**
- **Remarks:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/5/e</td>
<td>G=+.50</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>tb=+.34</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/a</td>
<td>G=+.49</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>tb=+.33</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

Study  LEISU 1980/8

Reported in: The Leisure Development Center, 1980
A 13 country survey of values
Table book for the 1980 International Conference on Human Values. The Leisure Development Center, Tokyo

Population: 18+ aged, general public, Philippines, 1979

Sample:
Non-Response:

N: 996

Measured Correlate

Class: Expected level of happiness (period unspecified) Code: H 5.1.3

Measurement:
Single direct question: "How much hope or expectation do you have for your future life?"
1. not hopeful at all
2. fairly hopeless
3. neither hopeful nor hopeless
4. fairly hopeful
5. very hopeful

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks

O-HL/c/sq/v/5/e  G=+.26  p<.01
   tb=+.16  p<.01

O-SLu/c/sq/v/5/a  G=+.31  p<.01
   tb=+.20  p<.01
### Study

**LEISU 1980/9**

**Reported in:** The Leisure Development Center, 1980
A 13 country survey of values
Tablebook for the 1980 International Conference on Human Values. The Leisure Development Center, Tokyo

**Population:** 18+ aged, general public, Singapore, 1979

**Sample:**

**Non-Response:**

**N:** 1006

### Measured Correlate

**Class:** Expected level of happiness (period unspecified)  Code: H 5.1.3

**Measurement:** Single direct question: "How much hope or expectation do you have for your future life?"
1. not hopeful at all
2. fairly hopeless
3. neither hopeful nor hopeless
4. fairly hopeful
5. very hopeful

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/5/e</td>
<td>G=+.56 p&lt;.01</td>
<td></td>
</tr>
<tr>
<td></td>
<td>tb=+.26 p&lt;.01</td>
<td></td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/a</td>
<td>G=+.53 p&lt;.01</td>
<td></td>
</tr>
<tr>
<td></td>
<td>tb=+.24 p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

Leisure Development Center, 1980
A 13 country survey of values
Tablebook for the 1980 International Conference on Human Values. The Leisure Development Center, Tokyo

Population: 18+ aged, general public, urban areas, South Korea, 1972
Sample:
Non-Response:
N: 997

Measured Correlate

Class: Expected level of happiness (period unspecified)  Code: H 5.1.3

Measurement: Single direct question: "How much hope or expectation do you have for your future life?"
1. not hopeful at all
2. fairly hopeless
3. neither hopeful nor hopeless
4. fairly hopeful
5. very hopeful

Observed Relation with Happiness

Happiness Query  Statistics  Remarks
O-HL/c/sq/v/5/e  G=.32  p<.01
                   tb=.18  p<.01
O-SLu/c/sq/v/5/a  G=.29  p<.01
                   tb=.17  p<.01
Findings on Happiness & HAPPINESS CAREER

**Study** LEISU1980/11

*Reported in:* The Leisure Development Center, 1980
A 13 country survey of values
Table book for the 1980 International Conference on Human Values. The Leisure Development Center, Tokyo

*Population:* 18+ aged, general public, United Kingdom, 1972

*Sample:*

*Non-Response:* 987

---

**Measured Correlate**

*Class:* Expected level of happiness (period unspecified) Code: H 5.1.3

*Measurement:* Single direct question: "How much hope or expectation do you have for your future life?"
1. not hopeful at all
2. fairly hopeless
3. neither hopeful nor hopeless
4. fairly hopeful
5. very hopeful

*Measured Values:

*Error Estimates:

*Remarks:

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/5/e</td>
<td>G=+.53 p&lt;.01</td>
<td></td>
</tr>
<tr>
<td></td>
<td>tb=+.35 p&lt;.01</td>
<td></td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/a</td>
<td>G=+.53 p&lt;.01</td>
<td></td>
</tr>
<tr>
<td></td>
<td>tb=+.34 p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>

---

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness
Findings on Happiness & HAPPINESS CAREER

**Study**

**LEISU1980/12**

*Reported in:* The Leisure Development Center, 1980
A 13 country survey of values
Table book for the 1980 International Conference on Human Values. The Leisure Development Center, Tokyo

*Population:* 18+ aged, general public, USA, 1979

*Sample:*

*Non-Response:*

*N:* 1127

---

**Measured Correlate**

*Class:* Expected level of happiness (period unspecified)  Code: H 5.1.3

*Measurement:* Single direct question: "How much hope or expectation do you have for your future life?"
1. not hopeful at all
2. fairly hopeless
3. neither hopeful nor hopeless
4. fairly hopeful
5. very hopeful

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/5/e</td>
<td>G=+.54</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>tb=+.33</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/a</td>
<td>G=+.60</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>tb=+.37</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003
World Database of Happiness: www.eur.nl/fsw/research/happiness
Findings on Happiness & HAPPINESS CAREER

Correlate Code: H 5

Study

LEISU1980/13

Reported in: The Leisure Development Center, 1980
A 13 country survey of values
Table book for the 1980 International Conference on Human Values. The Leisure Development Center, Tokyo

Population: 18+ aged, general public, West Germany, 1979

Sample:

Non-Response:

N: 1020

Measured Correlate

Class: Expected level of happiness (period unspecified) Code: H 5.1.3

Measurement: Single direct question: "How much hope or expectation do you have for your future life?"
1. not hopeful at all
2. fairly hopeless
3. neither hopeful nor hopeless
4. fairly hopeful
5. very hopeful

Measured Values:

Error Estimates:

Remarks:
<table>
<thead>
<tr>
<th>Study</th>
<th>PEIL 1984</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Peil, M.</td>
</tr>
</tbody>
</table>
African urban life: components of satisfaction in Sierra Leone
| Population: | Adult, general public, urban areas (Freetown, Bo and Kenema), Sierra Leone, 1981 |
| Sample: | |
| Non-Response: | 5% (on some items up to 60%) |
| N: | 640 |

**Measured Correlate**

| Class: | Expected level of happiness (period unspecified) | Code: H 5.1.3 |
| Measurement: | Direct question: "Will your life be disappointing/rewarding, enjoyable/miserable, or in between?". |
| Measured Values: | |
| Error Estimates: | |
| Remarks: | |

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/l/7/a</td>
<td>r=+</td>
<td>Males: r = +.52</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Females: r = +.46</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness Page 59 of 198
**Study**  
**ANDRE 1976/4**  
*Reported in:* Andrews, F.M. & Withey, S.B.  
Social Indicators of Well-being: Americans’ Perceptions of Life Quality  
Plenum Press, 1976, New York, USA  
*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/3  
*Sample:*  
*Non-Response:* 26%  
*N:* 1433

### Measured Correlate

- **Class:** in the near future (up to 5 years)  
- **Measurement:** Single closed question: "Where do you expect your life to be five years from now?"  
  Rated on a 9-point graphic scale ranging from best life (9) to worst life (1). (HAP 3.1)

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/cy/sq/l/9/a</td>
<td>r=+.48</td>
<td></td>
</tr>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>m-r=+.42</td>
<td>HAPP 3.1 asked twice: at the beginning of the interview: r=+.42</td>
</tr>
<tr>
<td>O-DT/u/sqt/v/7/a</td>
<td>r=+.45</td>
<td>at the end of the interview: r=+.42</td>
</tr>
<tr>
<td>O-GBB/u/sq/c/9/a</td>
<td>r=+.42</td>
<td></td>
</tr>
</tbody>
</table>
Study ANDRE 1976/5

Reported in: Andrews, F.M. & Withey, S.B.
Social Indicators of Well-being: Americans' Perceptions of Life Quality
Plenum Press, 1976, New York, USA

Population: 18+ aged, general public, non-institutionalized, USA, 1973/7

Sample:

Non-Response:

N: 222

Measured Correlate

Class: in the near future (up to 5 years) Code: H 5.1.3.1

Measurement: Single closed question rated on a graphic scale: "Where do you expect your life to be five years from now?" Rated on a 9-point graphic scale ranging from best life (9) to worst life (1). (HAP 3.1)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v2/a</td>
<td>r=+.20</td>
<td></td>
</tr>
<tr>
<td>O-BW/cy/sq/l9/a</td>
<td>r=+.40</td>
<td></td>
</tr>
<tr>
<td>O-DT/u/sq/v7/a</td>
<td>mr=+.37</td>
<td>HAP 4.1 asked thrice during the interview: at the beginning, in the middle and at the end. HAP 4.1 asked first: r=+.40 HAP 4.1 asked second: r=+.40 HAP 4.1 asked third: r=+.30</td>
</tr>
<tr>
<td>O-GBB/u/sq/c9/a</td>
<td>r=+.30</td>
<td></td>
</tr>
<tr>
<td>O-HL/c/sq/v3/aa</td>
<td>r=-.30</td>
<td></td>
</tr>
<tr>
<td>O-HL/u/sq/v7/b</td>
<td>r=+.30</td>
<td></td>
</tr>
<tr>
<td>O-SLW/u/sq/f7/a</td>
<td>r=+.40</td>
<td></td>
</tr>
</tbody>
</table>
### Study  
**BORTN 1970**  

**Reported in:**  Bortner, R.W. & Hultsch, D.F.  
A multivariate analysis of correlates of life satisfaction in adulthood  

**Population:**  21+ aged, general public, USA 1959  

**Sample:**  
**Non-Response:**  9%  
**N:**  1406

### Measured Correlate  
**Class:**  in the near future (up to 5 years)  
**Code:**  H 5.1.3.1  

**Measurement:**  Closed question rated on an 11-point self-anchoring scale (Cantril future personal ratings; see CANTR, 1965).  

### Observed Relation with Happiness  

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-RG/h/sq/l/11/a</td>
<td>r=.27</td>
<td></td>
</tr>
<tr>
<td>O-BW/c/sq/l/11/a</td>
<td>r=.58</td>
<td></td>
</tr>
<tr>
<td>O-SLu/c/sq/l/11/a</td>
<td>r=.28</td>
<td></td>
</tr>
</tbody>
</table>
**Study**  
**GORMA 1971**  

*Reported in:* Gorman, B.S.  
A multivariate study of the relationship of cognitive control and cognitive style  
Unpublished doctoral dissertation, 1971, City University of New York, USA  

*Population:* Undergraduate students, Nassau Community College, USA, 1970  

*Sample:*  

*Non-Response:* 4%, 3% refusal, 1% incomplete information  

*N:* 67  

---

### Measured Correlate

*Class:* . in the near future (up to 5 years)  
Code: H 5.1.3.1  

*Measurement:* Closed question rated on an 11-point self-anchoring scale (Control past personal rating).  

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=+.23</td>
<td>ns</td>
</tr>
<tr>
<td>O-BW/c/sq/l/11/b</td>
<td>r=+.44</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER  Correlate Code: H 5

<table>
<thead>
<tr>
<th>Study</th>
<th>HALMA 1987</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Population:</strong></td>
<td>18+ aged, general public, EU nations, 1981</td>
</tr>
<tr>
<td><strong>Sample:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Non-Response:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>N:</strong></td>
<td>12464</td>
</tr>
</tbody>
</table>

**Measured Correlate**

<table>
<thead>
<tr>
<th>Class</th>
<th>. in the near future (up to 5 years)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measurement:</strong></td>
<td>Direct question, rated on a 10 point scale (higher numbers indicating higher expected satisfaction): &quot;How satisfied or dissatisfied you think you'll be 5 years from now?&quot;.</td>
</tr>
</tbody>
</table>

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/u/sq/v/4/a</td>
<td>Beta=.2</td>
<td>France</td>
</tr>
<tr>
<td></td>
<td>Beta=.2</td>
<td>Great-Britain</td>
</tr>
<tr>
<td></td>
<td>Beta=.1</td>
<td>West Germany</td>
</tr>
<tr>
<td></td>
<td>Beta&lt;=.1</td>
<td>Italy</td>
</tr>
<tr>
<td></td>
<td>Beta&lt;=.1</td>
<td>Netherlands</td>
</tr>
<tr>
<td></td>
<td>Beta=.1</td>
<td>Denmark</td>
</tr>
<tr>
<td></td>
<td>Beta=.1</td>
<td>Belgium</td>
</tr>
<tr>
<td></td>
<td>Beta&lt;=.1</td>
<td>Spain</td>
</tr>
<tr>
<td></td>
<td>Beta=.2</td>
<td>Northern Ireland</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 64 of 198
Findings on Happiness & HAPPINESS CAREER

Correlate Code: H 5

EC

\[ \beta \text{ controlled for: life satisfaction (HAPP 2.1), affect (AFF 2.3); satisfaction with health, income and family life; age, income, education, marital status, male sex, having children, work; urbanisation, type of dwelling, own home, religiousness, social participation; uncertainty about future, expected negative changes in income; satisfaction 5 years in past; tolerance, loneliness, misanthropy, hopeless about life and sense of control.} \]

O-SLW/c/sq/n/10/aa

\[ \beta = +.4 \] France

\[ \beta = +.3 \] Great Britain

\[ \beta = +.3 \] West Germany

\[ \beta = +.4 \] Italy

\[ \beta = +.3 \] Netherlands

\[ \beta = +.3 \] Denmark

\[ \beta = +.4 \] Belgium

\[ \beta = +.3 \] Spain

\[ \beta = +.4 \] Ireland

\[ \beta = +.5 \] Northern Ireland

\[ \beta = +.3 \] EC

\[ \beta 's \text{ controlled for: happiness (HAPP 1.1), affect (AFF 2.3); satisfaction with health, income and family life; age, income, education, marital status, having children, male sex, work; urbanisation, type of dwelling, own home, religiousness, social participation; uncertainty about future, expected negative changes in income; satisfaction 5 years in past; tolerance, loneliness, misanthropy, hopeless about life and sense of control.} \]
### Study

**MOLNA 1985**

*Reported in:* Molnar, J.J.
Determinants of subjective well-being among farm operators: characteristics of the
Rural Sociology, Vol 50, 1985, pp. 141-162

*Population:* Farm operators, Alabama, USA, 1981

*Sample:*

*Non-Response:* 29.9%

*N:* 705

### Measured Correlate

*Class:* . in the near future (up to 5 years) Code: H 5.1.3.1

*Measurement:* Single direct question 'Where do you expect your life to be five years from now?'. Rated on a 9-point ladder scale ranging from 'worst' to 'best I could expect'. (Cantril 1965)

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/cy/sq/l/9/a</td>
<td>r=+.46</td>
<td>p&lt;.05</td>
</tr>
<tr>
<td></td>
<td>r=+.46</td>
<td>p&lt;.05</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

Study  ZUMA 1989  
Reported in: Zentrum fur Umfrageforschung MAennheim (ZUMA)

Population: 18+ aged, general public, West-Germany, 1978-88

Sample:
Non-Response: ?
N: varies from about 2000 - 2300

Measured Correlate

Class: . in the near future (up to 5 years) Code: H 5.1.3.1

Measurement: Question: 'What do you think how satisfied will you with your life over 5 years ?'
0 very unsatisfied
10 very satisfied

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/4/b SNR=</td>
<td>eta</td>
<td>G</td>
</tr>
<tr>
<td>1978</td>
<td>+.42</td>
<td>+.57</td>
</tr>
<tr>
<td>1980</td>
<td>+.38</td>
<td>+.49</td>
</tr>
<tr>
<td>1984</td>
<td>+.40</td>
<td>+.53</td>
</tr>
<tr>
<td>1988</td>
<td>+.37</td>
<td>+.49</td>
</tr>
</tbody>
</table>

B's controlled for age, gender, perceived class and marital status.

| O-SLW/c/sq/n/11/b SNR= | eta | G | r | B |
| 1978 | +.75 | +.80 | +.73 | +.74 |
| 1980 | +.68 | +.69 | +.67 | +.69 |
| 1984 | +.70 | +.73 | +.69 | +.69 |
| 1988 | +.70 | +.76 | +.69 | +.70 |

B's controlled for age, gender, perceived class and marital status.
Study: MATLI 1979  
Reported in: Matlin M.W. & Gavron V.J. 
Individual Differences in Pollyannaism  
Journal of Personality Assessment, 1979, Vol.43, p411-412  
Population: University students white, middle-class, State University of New-York, USA, 197?  
Sample: 
Non-Response: 
N: 133  

Measured Correlate  
Class: Expected change in happiness (period unspecified) Code: H 5.1.4  
Measurement: Difference between selfratings of “future happiness” and “present happiness” on Cantril’s Ladder of Life Scale. (see CANTR 1965)  
Measured Values: 
Error Estimates: 
Remarks: 

Observed Relation with Happiness  
Happiness Query | Statistics | Remarks  
--- | --- | ---  
O-BW/c/sq/l/11/a | r=-.23 p<.s |  
O-H?/?/sq/?/0/a | r= ns |
### Study

**ANDRE 1976/4**

**Reported in:** Andrews, F.M. & Withey, S.B.  
*Social Indicators of Well-being: Americans' Perceptions of Life Quality*  
Plenum Press, 1976, New York, USA

**Population:** 18+ aged, general public, non-institutionalized, USA, 1973/3

**Sample:**

<table>
<thead>
<tr>
<th>Non-Response:</th>
<th>26%</th>
</tr>
</thead>
<tbody>
<tr>
<td>N:</td>
<td>1433</td>
</tr>
</tbody>
</table>

### Measured Correlate

**Class:** in the near future (up to 5 years)  
Code: H 5.1.4.1

**Measurement:** Difference in response to two questions 1. "Where was your life five years ago?"  
2. "Where do you expect your life to be five years from now?"  
Both rated on a 9-point graphic scale ranging from best life (9) to worst life (1). (HAP 3.1)

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/cy/sq/l/9/a</td>
<td>r=+.04</td>
<td></td>
</tr>
</tbody>
</table>
| O-DT/u/sq/v/7/a  | mr=+.13    | HAP 4.1 asked twice:  
at the beginning of the interview: r=+.11  
at the end of the interview: r=+.14 |
| O-DT/u/sqt/v/7/a | r=+.13     |         |
| O-GBB/u/sq/c/9/a | r=+.05     |         |
### Study

**ANDRE 1976/4**

- **Reported in:** Andrews, F.M. & Withey, S.B.
- **Social Indicators of Well-being: Americans' Perceptions of Life Quality**
  Plenum Press, 1976, New York, USA
- **Population:** 18+ aged, general public, non-institutionalized, USA, 1973/3
- **Sample:**
  - **Non-Response:** 26%
  - **N:** 1433

### Measured Correlate

- **Class:** in the near future (up to 5 years) Code: H 5.1.4.1
- **Measurement:** Difference in response to two identical questions asked twice in the interview:
  - "Where do you expect your life to be five years from now?"
  - Rated on a 9-point graphic scale ranging from best life (9) to worst life (1). (HAP 3.1)

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/cy/sq/l/9/a</td>
<td>r=-.41</td>
<td></td>
</tr>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>mr=-.03</td>
<td>HAP 4.1 asked twice: at the beginning of the interview: r=-.04 at the end of the interview: r=-.01</td>
</tr>
<tr>
<td>O-DT/u/sqt/v/7/a</td>
<td>r=-.03</td>
<td></td>
</tr>
<tr>
<td>O-GBB/u/sq/c/9/a</td>
<td>r=-.10</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

Study ANDRE 1976/5

Reported in: Andrews, F.M. & Withey, S.B.
Social Indicators of Well-being: Americans' Perceptions of Life Quality
Plenum Press, 1976, New York, USA

Population: 18+ aged, general public, non-institutionalized, USA, 1973/7
Sample:
Non-Response:
N: 222

Measured Correlate

Class: in the near future (up to 5 years) Code: H 5.1.4.1
Measurement: Difference in response to two single direct questions:
1. "Where do you expect your life
   to be five years from now?"
2. "Where was your life most of the time during the past year?"
Rated on a 9-point graphic scale ranging from best life (9) to
worst life (0). (HAP 3.1)

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-BB/cm/mq/v/2/a r=+.00
O-BW/cy/sq/l/9/a r=-.50
O-DT/u/sq/v/7/a mr=-.07 HAP 4.1 asked thrice during the interview:
at the beginning, in the middle and at the end.
HAP 4.1 asked first: r=-.00
HAP 4.1 asked second: r=-.10
HAP 4.1 asked third: r=-.10
O-GBB/u/sq/c/9/a r=-.10
O-HL/c/sq/v/3/aa r=-.00
O-HL/u/sq/v/7/b r=+.20
O-SLW/u/sq/f/7/a r=-.00
Findings on Happiness & HAPPINESS CAREER

Study: **ANDRE 1976/5**

*Reported in:* Andrews, F.M. & Withey, S.B.
*Social Indicators of Well-being: Americans' Perceptions of Life Quality* Plenum Press, 1976, New York, USA

*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/7

*Sample:*

*Non-Response:*

*N:* 222

**Measured Correlate**

*Class:* . in the near future (up to 5 years)  Code: H 5.1.4.1

*Measurement:*

Difference in response to two questions:
1. "Where was your life five years ago?"
2. "Where do you expect your life to be five years from now?"

Rated on a 9-point graphic scale ranging from best life (9) to worst life (1). (HAP 3.1)

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v2/a</td>
<td>r=.20</td>
<td></td>
</tr>
<tr>
<td>O-BW/cy/sq/l9/a</td>
<td>r=.00</td>
<td></td>
</tr>
<tr>
<td>O-DT/u/sq/v7/a</td>
<td>mr=.07</td>
<td>HAP 4.1 asked thrice during the interview: at the beginning, in the middle and at the end. HAP 4.1 asked first: r=.10 HAP 4.1 asked second: r=.10 HAP 4.1 asked third: r=.00</td>
</tr>
<tr>
<td>O-GGB/u/sq/c9/a</td>
<td>r=-.00</td>
<td></td>
</tr>
<tr>
<td>O-HL/c/sq/v3/aa</td>
<td>r=-.20</td>
<td></td>
</tr>
<tr>
<td>O-HL/u/sq/v7/b</td>
<td>r=.10</td>
<td></td>
</tr>
<tr>
<td>O-SLW/u/sq/f7/a</td>
<td>r=.10</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

**Study**

**BORTN 1970**  
*Reported in:* Bortner, R.W. & Hultsch, D.F.  
A multivariate analysis of correlates of life satisfaction in adulthood  

**Population:**  
21+ aged, general public, USA 1959

**Sample:**

**Non-Response:** 9%

**N:** 1406

**Measured Correlate**

**Class:** in the near future (up to 5 years)  
**Code:** H 5.1.4.1

**Measurement:**  
Difference in scores on questions on satisfaction with life now,  
and expected satisfaction 5 years from now (Cantril present and  
future personal ratings: see CANTR, 1965).

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-RG/h/sq/l/11/a</td>
<td>r=+.04</td>
<td></td>
</tr>
<tr>
<td>O-BW/c/sq/l/11/a</td>
<td>r=+.08</td>
<td></td>
</tr>
<tr>
<td>O-SLu/c/sq/l/11/a</td>
<td>r=+.10</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

Study

<table>
<thead>
<tr>
<th>Measured Correlate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Class:</strong></td>
</tr>
<tr>
<td><strong>Measurement:</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Observed Relation with Happiness</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Happiness Query</strong></td>
</tr>
<tr>
<td>A-BC/cm/mq/v/4/a</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER  

**Study**  
**GORMA 1971**  

*Reported in:* Gorman, B.S.  
A multivariate study of the relationship of cognitive control and cognitive style  
Unpublished doctoral dissertation, 1971, City University of New York, USA  

*Population:* Undergraduate students, Nassau Community College, USA, 1970  

*Sample:*  

*Non-Response:* 4%, 3% refusal, 1% incomplete information  

*N:* 67  

---  

**Measured Correlate**  

*Class:* in the near future (up to 5 years)  
Code: H 5.1.4.1  

*Measurement:* Actual difference in scores on questions on satisfaction with life 5 years ago, and expected satisfaction 5 years from now (Cantril past and future personal ratings; see Cantril, 1965).  

*Measured Values:*  

*Error Estimates:*  

*Remarks:*  

---  

**Observed Relation with Happiness**  

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=+.11 ns</td>
<td>For past and future personal ratings see resp. under &quot;Perceived Past Happiness&quot; (H 1.4.1) and under &quot;Future Happiness&quot; (H 1.5).</td>
</tr>
<tr>
<td>O-BW/c/sq/l/11/b</td>
<td>r=-.06 ns</td>
<td>For past and future personal ratings see resp. under &quot;Perceived Past Happiness&quot; (H 1.4.1) and under &quot;Future Happiness&quot; (H 1.5).</td>
</tr>
</tbody>
</table>
### Study GORMA 1971

**Reported in:** Gorman, B.S.

A multivariate study of the relationship of cognitive control and cognitive style

*Unpublished doctoral dissertation, 1971, City University of New York, USA*

**Population:** Undergraduate students, Nassau Community College, USA, 1970

**Sample:**

**Non-Response:** 4%, 3% refusal, 1% incomplete information

**N:** 67

### Measured Correlate

**Class:** in the near future (up to 5 years) Code: H 5.1.4.1

**Measurement:** Actual difference in scores on questions on satisfaction with life now, and expected satisfaction 5 years from now (Cantril present and future personal ratings; see Cantril 1965).

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>$r = -0.11$ ns</td>
<td>See also second instrument in excerpt (Part II), and under 'Future Happiness' (Part III, H 1.5).</td>
</tr>
<tr>
<td>O-BW/c/sq/l/11/b</td>
<td>$r = -0.74$, p&lt;.01</td>
<td>See also under 'Future Happiness' (H 1.5)</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER  

**Study**  
**MICHA 1983**  

*Reported in:* Michalos, A.C.  
Satisfaction and happiness in a rural northern resource community  

*Population:* 18+ aged, rural community, N.Ontario, Canada, 1982  

*Sample:*  
Non-Response: 8%  
N: 598  

**Measured Correlate**  

*Class:* in the near future (up to 5 years)  
Code: H 5.1.4.1  

*Measurement:* Closed question: "All things considered, do you expect the next five years to be extremely worse than the last five years?"  
Question rated on a 7-point scale, ranging from extremely worse(1) to extremely better(7).  

*Measured Values:*  

*Error Estimates:*  

*Remarks:*  

**Observed Relation with Happiness**  

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-RG/u/sq/v/7/b</td>
<td>r=+.23</td>
<td>Beta=+.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8 controlled for life compared with best previous experience and that of average folks</td>
</tr>
<tr>
<td>O-DT/c/sq/v/7/aa</td>
<td>r=+.30</td>
<td>Beta=+.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8 controlled for best previous experience, comparison with average folks and goal achievement (CON 1.1)</td>
</tr>
<tr>
<td>O-HL/u/sq/v/7/a</td>
<td>r=+.31</td>
<td>Beta=+.1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8 controlled for life compared with best previous experience, average folks and goal achievement (CON 1.1)</td>
</tr>
</tbody>
</table>
### Study

**GONZA 1967**

**Reported in:** González, J.R.
Study of student teachers' life adjustment.

**Population:** Students teachers, University of California, USA, 1967

**Sample:**

**Non-Response:**

**N:** 75

### Measured Correlate

**Class:** in the long run  
**Code:** H 5.1.4.2

**Measurement:** Closed question on anticipation of happiness 5 or 10 years from now, compared with present life. Less happy / about the same / happier

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/u/sq/v/3/c</td>
<td>G = -.43</td>
<td>p &lt; .05</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

<table>
<thead>
<tr>
<th>Study</th>
<th>GURIN 1960</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population:</td>
<td>21+ aged, general public, non-institutionalized, USA,1957</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>13%; 5% not at home, 8% refusals</td>
</tr>
<tr>
<td>N:</td>
<td>2460</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Measured Correlate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class:</td>
</tr>
<tr>
<td>Code:</td>
</tr>
<tr>
<td>Measurement:</td>
</tr>
<tr>
<td>Measured Values:</td>
</tr>
<tr>
<td>Error Estimates:</td>
</tr>
<tr>
<td>Remarks:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Observed Relation with Happiness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Happiness Query</td>
</tr>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER  

**Study**  
**VEROFE 1962**  

*Reported in:* Veroff, J., Feld, S. & Gurin, G.  
Dimensions of subjective adjustment.  

*Population:* 21+ aged, married, with children, USA, 1957  

*Sample:*  

*Non-Response:* -  
*N:* 797

**Measured Correlate**  

*Class:* in the long run  
*Code:* H 5.1.4.2  

*Measurement:* Closed question on anticipation of happiness 5 or 10 years from now, compared with present life: not as happy / about the same / happier.  

**Measured Values:**  

**Error Estimates:**  

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| O-HL/u/sq/v3/a   | tb= ns     | Males : $b = +.04$ (ns)  
Females : $b = -.04$ (ns) |
Findings on Happiness & HAPPINESS CAREER

Study

VEROF 1981

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: . in the long run
Measurement: Compared to your life today, how do you think things will 5 or 10 years from now?
- Happier
- About the same
- Less happy
- Don't know - won't be here
- Not ascertained

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
tc=-.13 p<.01
G=+.00 ns 1976
tc=+.00 ns

% very happy: 1957 1976
- Happier 43 38
- About the same 38 37
- Less happy 6 8
- Don't know - Won't be here 11 10
- Not ascertained 2 6
### Study: BERNO 1985

**Reported in:** Bernow, R
Livskvaliteten i Sverige. (Lifequality in Sweden)

**Population:** 18-70 aged, general public, Sweden., 1982

**Sample:**

**Non-Response:** ?

**N:** 1558

###Measured Correlate

**Class:** recent happiness (< 1 year ago) Code: H 5.2.1.1

**Measurement:** Retest after 3-4 weeks.

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sqt/v/7/a</td>
<td>r=+.57</td>
<td></td>
</tr>
</tbody>
</table>
**Study**

**BRADB 1965/2**

*Reported in:* Bradburn, N.M. & Caplovitz, D.
Reports on happiness
Aldine Publishing Company, 1965, Chicago USA

*Population:* Adult, general public, 2 towns, prosperous and depressed, Illinois, USA, 1962/3 - 1962/10

*Sample:

*Non-Response:* ?
*N:* 547

**Measured Correlate**

*Class:* recent happiness (< 1 year ago) Code: H 5.2.1.1

*Measurement:* 10 item index of specific affects in the past few weeks. (Bradburn Affect Balance Scale)

Assessed at T1 and T2
(8 month interval)

*Measured Values:

*Error Estimates:

*Remarks:

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cw/mq/v/4/e</td>
<td>r=+.41 p&lt;.001</td>
<td>Negative Affect scale</td>
</tr>
<tr>
<td></td>
<td>r=.36 p&lt;.001</td>
<td>Positive Affect scale</td>
</tr>
</tbody>
</table>

Turnover in full ABS not reported.
### Study

**BRADB 1965/2**

**Reported in:** Bradburn, N.M. & Caplovitz, D.  
Reports on happiness  
Aldine Publishing Company, 1965, Chicago USA

**Population:** Adult, general public, 2 towns, prosperous and depressed, Illinois, USA, 1962/3 - 1962/10

**Sample:**

**Non-Response:** ?

**N:** 547

### Measured Correlate

**Class:** Recent happiness (< 1 year ago) Code: H 5.2.1.1

**Measurement:** Single direct question: Taking all together, how happy would you say you are these days? Would you say you are very happy, pretty happy or not too happy?

Assessed at T1 and T2  
(8 month interval)

### Measured Values:

### Error Estimates:

### Remarks:

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=+.48</td>
<td>p&lt;.00</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

Correlate Code: H 5

---

**Study**

**BRADB 1969**

**Reported in:** Bradburn, N.M.
The structure of psychological well-being
Aldine Publishing Company, 1969, Chicago, USA

**Population:** 21-60 aged, general public, urban areas, USA, 1963 - 64

**Sample:**

**Non-Response:** ± 20%, Attrition
± 30%

**N:** 2787

---

**Measured Correlate**

**Class:** recent happiness (< 1 year ago) Code: H 5.2.1.1

**Measurement:**

*Single direct question:* Taking all things together. How happy would you say you are: Would you say you are;
- very happy (3)
- pretty happy (2)
- not too happy (1)

*(HAPP 1.1)*

Assessed at
T1: January 1963
T3: Oktober 1963

**Measured Values:**

**Error Estimates:**

**Remarks:**

CHANGE in overall happiness (HAPP 1.1) by
CHANGE in hedonic level of affect (AFF 2.3)

Hedonic level of affect assessed at T1, T2 and T3.

---

**Observed Relation with Happiness**

**Happiness Query**

A-BB/cm/mq/v/2/a DMr=+ p<.05

**Statistics**

*Hedonic level of affect in average ridits (RT):*

<table>
<thead>
<tr>
<th>T1 Happiness</th>
<th>T1-3 Change</th>
<th>T3 Happiness</th>
</tr>
</thead>
<tbody>
<tr>
<td>very</td>
<td>.51</td>
<td>.44</td>
</tr>
<tr>
<td>pretty</td>
<td>.66</td>
<td>.60</td>
</tr>
<tr>
<td>not too</td>
<td>.66</td>
<td>.60</td>
</tr>
</tbody>
</table>

*Hedonic level of affect assessed at T1, T2 and T3.*

---

Print date: 7-2-2003
World Database of Happiness: www.eur.nl/fsw/research/happiness
Page 85 of 198
<table>
<thead>
<tr>
<th>Change in happiness</th>
<th>T1-T2</th>
<th>T2-T3</th>
<th>T3-T4</th>
</tr>
</thead>
<tbody>
<tr>
<td>increase</td>
<td>.69</td>
<td>.58</td>
<td>.66</td>
</tr>
<tr>
<td>stable</td>
<td>.52</td>
<td>.46</td>
<td>.45</td>
</tr>
<tr>
<td>decrease</td>
<td>.42</td>
<td>.38</td>
<td>.38</td>
</tr>
</tbody>
</table>

Ridit analysis compares distribution in category with distribution in total sample. RT above .50 means relative high level, RT below .50 relative low level.
Findings on Happiness & HAPPINESS CAREER

CRNIC 1984

Reported in: K.A. Crnic, M.T. Greenberg, N.M. Robinson, A.S. Ragozin
Maternal stress and social support: effects on the mother-infant relationship from birth to eighteen months

Population: Mother-child pairs, followed 18 months after birth, USA, 1981-82

Sample:

Non-Response: Attrition at T2:
10%, at T3: 14%

N: 105

Measured Correlate

Class: recent happiness (< 1 year ago) Code: H 5.2.1.1

Measurement:
T1: 1 month after birth of child
T2: 8 months after birth of child
T3: 10 months after birth of child

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks
O-QLS/c/sq/v/5/a  r+.61  T1 happiness by T2 happiness
r+.51  T1 happiness by T3 happiness
<table>
<thead>
<tr>
<th>Study</th>
<th>FUGL 1991</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Vocational rehabilitation in Northern Sweden; Aspects of life satisfaction.</td>
</tr>
<tr>
<td>Population:</td>
<td>Handicapped referred for vocational rehabilitation, followed 2 years, Umea, Sweden, 198?</td>
</tr>
<tr>
<td>Sample:</td>
<td>Non-probability chunk sample</td>
</tr>
<tr>
<td>N:</td>
<td>T1:149; T2: 126</td>
</tr>
</tbody>
</table>

### Measured Correlate

| Class: | . recent happiness (< 1 year ago) Code: H 5.2.1.1 |
| Measurement: | Retest after 2 months |
| Measured Values: | |
| Error Estimates: | |
| Remarks: | N = 53: randomly selected from sample at follow-up (N = 126) |

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/v/6/a</td>
<td>rs=+.66 p&lt;.001</td>
<td>N = 53: randomly selected from sample at follow-up (N = 126)</td>
</tr>
</tbody>
</table>
### Study

**GEHMA 1988**  
**Reported in:** Gehmacher, E.  
Wohlbefinden und Lebensqualität (Feeling well and Quality of Life)  
in: Interdisziplinäre Methoden und Vergleichungsgrundlagen zur Erfassung der  
Wohnzufriedenheit. Institut Stadtorschung  
**Population:** Adults, followed 6 months, Austria, 198?  
**Non-Response:**  

### Measured Correlate

**Class:** recent happiness (< 1 year ago)  
Code: H 5.2.1.1  
**Measurement:** Retest after 6 month  
**Measured Values:**  
**Error Estimates:**  
**Remarks:**

### Observed Relation with Happiness

**Happiness Query**  
**Statistics**  
**Remarks**  
M-FH/cm/sq/v/5/a  
r=+.34
### Study

**GEHMA 1988**

*Reported in:* Gehmacher, E.
*Wohlbefinden und Lebensqualität (Feeling well and Quality of Life)*
in: *Interdisziplinäre Methoden und Vergleichungsgrundlagen zur Erfassung der Wohnzufriedenheit. Institut Stadtforschung*

*Population:* Adults, followed 6 months, Austria, 198?

*Sample:

*Non-Response:*

**Measured Correlate**

*Class:* recent happiness (< 1 year ago) Code: H 5.2.1.1

*Measurement:* Retest after 6 month

*Measured Values:

*Error Estimates:

*Remarks:

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CA/mh/ri/?/0/a</td>
<td>r=+.29</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

Study	GEHMA 1988

Reported in: Gehmacher, E.
Wohlbefinden und Lebensqualität (Feeling well and Quality of Life)
in: Interdisziplinäre Methoden und Vergleichungsgrundlagen zur Erfassung der Wohnzufriedenheit. Institut Stadtforshung

Population: Adults, followed 6 months, Austria, 198?

Sample:
Non-Response:

Measured Correlate

Class: . recent happiness (< 1 year ago) Code: H 5.2.1.1
Measurement: Retest after 6 month

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-SLW/u/sq/n/5/b r=+.44
Study: GEHMA 1988

Reported in: Gehmacher, E.
Wohlbefinden und Lebensqualität (Feeling well and Quality of Life)
in: Interdisziplinäre Methoden und Vergleichungsgrundlagen zur Erfassung der Wohnzufriedenheit. Institüt Stadtforschung

Population: Adults, followed 6 months, Austria, 198?
Sample:
Non-Response:

Measured Correlate

Class: . recent happiness (< 1 year ago) Code: H 5.2.1.1
Measurement: Retest after 6 month

Measured Values:

Error Estimates:

Remark:

Observed Relation with Happiness

Happiness Query Statistics Remarks
M-AO/u/mq/*/0/a r=+.70
Findings on Happiness & HAPPINESS CAREER

KOZMA 1980/2

Reported in: Kozma, A. & Stones, M.J.
The measurement of happiness: Development of the Memorial University of New

Population: Elderly, living in old age home, New Foundland, Canada, 197?

Sample: 
Non-Response: 55

N: 

Measured Correlate

Class: . recent happiness (< 1 year ago) Code: H 5.2.1.1
Measurement: 2 item index (AVHT) of direct questions, scored on 7 point scales:
a. happiness 'at this moment of time' (AVH)
b. happiness 'over the past month' (AVH30)
(MIX 1.2; precise items not reported)
Assessed with 6 to 12 month interval

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query | Statistics | Remarks
---|---|---
M-FH/c/mq/?/7/a | r=+.57 | 

World Database of Happiness: www.eur.nl/fsw/research/happiness
### Study

**KOZMA 1980/2**  
**Reported in:** Kozma, A. & Stones, M.J.  
The measurement of happiness: Development of the Memorial University of New  

**Population:** Elderly, living in old age home, New Foundland, Canada, 197?

**Sample:**

**Non-Response:** 55

**N:** 55

### Measured Correlate

**Class:** Recent happiness (< 1 year ago)  
**Code:** H 5.2.1.1

**Measurement:** 10 item index of specific affects in the past few weeks  
(Bradburn's Affect Balance Scale, ABS)  
(AFF 2,3)

Assessed with 6 to 12 month interval

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

**Happiness Query** | **Statistics** | **Remarks**
---|---|---
A-BB/cm/mq/v2/a | $r = 0.27$ |
Findings on Happiness & HAPPINESS CAREER

**Study**  LICHT 1980/1

Increasing happiness through cognitive retraining
New Zealand Psychologist, 1980, vol.9, p.57-64

*Population:* Adults, trainees and controls, followed 10 weeks, Dunedin, New Zealand, 1978

*Sample:
*Non-Response:* 15%
*N:* 23

---

**Measured Correlate**

*Class:* recent happiness (< 1 year ago)  Code: H 5.2.1.1

*Measurement:* Happiness assessed at T1 by affectometer 1 short form, T2 (T1+ 4 weeks) and T3 (T1+ 10 weeks)

*Measured Values:

*Error Estimates:

*Remarks:

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BK/cm/mq/v/5/b</td>
<td>r=+.95 p&lt;.01</td>
<td>T1 happiness by T2 happiness</td>
</tr>
<tr>
<td></td>
<td>r=+.94 p&lt;.01</td>
<td>T1 happiness by T3 happiness</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Control group, only (N=13)</td>
</tr>
</tbody>
</table>

---

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 95 of 198
Findings on Happiness & HAPPINESS CAREER

Study

MOUM 1988

Reported in: Moum, T.
Yea-saying and mood-of-the day effects in self-reported quality of life
Social Indicators Research vol.20, 1988, p.117-139

Population: Adult, general public, county, followed 2 years, Norway, 1984-86

Sample:
Non-Response: 20%
N: 622

Measured Correlate

Class: . recent happiness (< 1 year ago) Code: H 5.2.1.1
Measurement: Happiness assessed at three points in time. The intervals varied from several days to several months.

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLu/c/sq/n/7/a</td>
<td>r=+.69</td>
<td>T2 happiness by T1 happiness</td>
</tr>
<tr>
<td></td>
<td></td>
<td>females: young +.73</td>
</tr>
<tr>
<td></td>
<td></td>
<td>old +.45</td>
</tr>
<tr>
<td></td>
<td></td>
<td>males: young +.76</td>
</tr>
<tr>
<td></td>
<td></td>
<td>old +.66</td>
</tr>
<tr>
<td></td>
<td>r=+.57</td>
<td>T3 happiness by T1 happiness</td>
</tr>
<tr>
<td></td>
<td></td>
<td>females: young +.43</td>
</tr>
<tr>
<td></td>
<td></td>
<td>old +.47</td>
</tr>
<tr>
<td></td>
<td></td>
<td>males: young +.59</td>
</tr>
<tr>
<td></td>
<td></td>
<td>old +.55</td>
</tr>
<tr>
<td></td>
<td>r=+.54</td>
<td>T3 happiness by T2 happiness</td>
</tr>
<tr>
<td></td>
<td></td>
<td>females: young +.51</td>
</tr>
<tr>
<td></td>
<td></td>
<td>old +.43</td>
</tr>
<tr>
<td></td>
<td></td>
<td>males: young +.65</td>
</tr>
<tr>
<td></td>
<td></td>
<td>old +.55</td>
</tr>
</tbody>
</table>
### Study

**NOELL 1977/6**

*Reported in:* Noelle-Neumann, E.

Politik und Glück (Politics and happiness)

H. Baier (ed.) Freiheit und Sachzwang, Westdeutscher Verlag, Opladen, 1977, 208 - 262

*Population:* Carowners, followed 1 year, West-Germany, 1976-77

*Sample:*

*Non-Response:*

*Statistics:*

N: 1084

---

### Measured Correlate

**Class:** recent happiness (< 1 year ago) Code: H 5.2.1.1

**Measurement:**

Interviewer rating of cheerful appearance on the following 8 aspects: look, mouth, posture, movements, eyes, elbows, lips and general cheerful appearance.

(Allensbacher Ausdrücktest) AFF 5.3. Assessed at T1 and T2 (6 month interval)

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CA/mh/ri/v/2/a</td>
<td>D%/=+</td>
<td>- 78% identical ratings at T1 and T2 with the same interviewer.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 64% identical ratings at T1 and T2 with other interviewers.</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER Correlate Code: H 5

<table>
<thead>
<tr>
<th>Study</th>
<th>ORMEL 1980</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Ormel,H.</td>
</tr>
<tr>
<td>Moëte met leven of een moeilijk leven (Difficulty in living or a difficult life)</td>
<td></td>
</tr>
<tr>
<td>Dissertation 1980, University of Groningen, the Netherlands, publisher: Konstapel, Groningen, the Netherlands.</td>
<td></td>
</tr>
<tr>
<td>Population:</td>
<td>15-60 aged, general public, followed 12 month, The Netherlands, 1967-77</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>18%</td>
</tr>
<tr>
<td>N:</td>
<td>296</td>
</tr>
</tbody>
</table>

**Measured Correlate**

- **Class:** recent happiness (< 1 year ago) Code: H 5.2.1.1
- **Measurement:** 4-item additive index of positive affects in the past few weeks (PA index from Bradburns Affect Balance Scale: part of happiness indicator AFF 2.3). Assessed at T2(1976) and T3(1977).

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cw/mq/v/4/c</td>
<td>r=+.72 p&lt;.01</td>
<td>T2 happiness by T2 positive affects</td>
</tr>
<tr>
<td></td>
<td>r=+.32 p&lt;.01</td>
<td>T3 happiness by T2 positive affects</td>
</tr>
<tr>
<td></td>
<td>r=+.32 p&lt;.01</td>
<td>T2 happiness by T3 positive affects</td>
</tr>
<tr>
<td></td>
<td>r=+.74 p&lt;.01</td>
<td>T3 happiness by T3 positive affects</td>
</tr>
</tbody>
</table>
### Study

**ORMEL 1980**

**Reported in:** Ormel, H.

Moeite met leven of een moeilijk leven (Difficulty in living or a difficult life)

Dissertation 1980, University of Groningen, the Netherlands, publisher: Konstapel, Groningen, the Netherlands.

**Population:** 15-60 aged, general public, followed 12 month, The Netherlands, 1967-77

**Sample:**

Non-Response: 18%

**N:** 296

### Measured Correlate

**Class:** Recent happiness (< 1 year ago) Code: H 5.2.1.1

**Measurement:**

- **Age at T1 (1970):**
  - 16-29 (1)
  - 30-44 (2)
  - 45-59 (3)

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cw/mq/v/4/c</td>
<td>r=-.06</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>r=-.11</td>
<td>p&lt;.05 T2 happiness by T1 age</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T3 happiness by T1 age</td>
</tr>
</tbody>
</table>

Findings on Happiness & HAPPINESS CAREER

Correlate Code: H 5

Study  
SEIDL 1993/3

Reported in:  
Seidlitz, L. and Diener E.  
Memory for positive versus negative life events: Theories for the differences  

Population:  
Psychology students, selected for earlier happiness, followed 11 month, USA, 1990-91

Sample:  
Non-Response:  
Drop-out: T0-T1:  
28%, T1-T2:  
41%

N:  54

Measured Correlate

Class:  
recent happiness (< 1 year ago)  Code: H 5.2.1.1

Measurement:  
Fordyce's 'Happiness-Measure'; 4 item index of questions about how happy one generally feels  (MIX 1.2)

Assessed at T1 and T2  
(11 month interval)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks
A-AOL/g/mq/**/0/a  r=+.77  p<.001
rpc=+.70  rpc controled for T1 current mood
rpc=+.71  rpc controled for T2 current mood
<table>
<thead>
<tr>
<th>Study</th>
<th>VERKL 1989</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Verkley, H. &amp; Stolk, J.</td>
</tr>
<tr>
<td>Population:</td>
<td>30-50 aged, in working force, followed 1 year, urban areas, Netherlands, 1983-84</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>T1-T2 attrition: 27%</td>
</tr>
<tr>
<td>N:</td>
<td>1100</td>
</tr>
</tbody>
</table>

**Measured Correlate**

- **Class:** recent happiness (< 1 year ago)  
  Code: H 5.2.1.1
- **Measurement:** 10 item index of specific affects in the past few weeks  
  (Bradburn's Affect Balance Scale AFF 2.3)  
  Assessed at T1 and T2  
  (1 year interval)

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mg/v/2/a</td>
<td>r=+.48</td>
<td>p&lt;.001</td>
</tr>
</tbody>
</table>
**Findings on Happiness & HAPPINESS CAREER**

**Composite clinical rank order of happiness by 6 staff psychologists, based on two years of experience with the subjects (MIX 5).**

**Assessed 6 months earlier.**

**Measured Correlate**

- **Class:** recent happiness (< 1 year ago)  Code: H 5.2.1.1
- **Measurement:** Composite clinical rank order of happiness by 6 staff psychologists, based on two years of experience with the subjects (MIX 5).
  - Assessed 6 months earlier.

**Sample:**
- 37%: 9 dropouts, incomplete; about the same happiness distribution.
- \( N: 17 \)

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>( r = +.71 )</td>
<td>Hedonic level (Elation-Depression Scale: AFF 3.1) scored each night for the highest, lowest and average of the day.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mean daily highest mood : ( r = +.44 )</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mean daily average mood : ( r = +.71 )</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mean daily lowest mood : ( r = +.63 )</td>
</tr>
</tbody>
</table>

**Print date:** 7-2-2003  **World Database of Happiness:** [www.eur.nl/fsw/research/happiness](http://www.eur.nl/fsw/research/happiness)  **Page 102 of 198**
Study: WESSM 1966/2

Reported in: Wessman, A.E. & Ricks, D.F.
Mood and personality
Holt, 1966, New York, USA

Population: Male college students, followed 3 years, Harvard University, USA, 1957-60

Sample:
Non-Response: 37%: 9 dropouts, incomplete; about the same happiness distribution.
N: 17

Measured Correlate

Class: recent happiness (< 1 year ago) Code: H 5.2.1.1
Measurement: Clinical rank on 'happy - unhappy life story', stressing autobiographic reports and information for three years, concerning past life experiences up to the time of entering college (MIX 5).
Assessed 6 months later.

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-ARE/md/sqr/v/10/ r=+.48 p<.05 Hedonic level (Elation-Depression Scale: AFF 3.1)
scored each night for the highest, lowest and
average of the day.

Mean daily highest mood: r = +.42
Mean daily average mood: r = +.48
Mean daily lowest mood: r = +.34
### Study

**WESSM 1966/2**

*Reported in:* Wessman, A.E. & Ricks, D.F.

Mood and personality

Holt, 1966, New York, USA

*Population:* Male college students, followed 3 years, Harvard University, USA, 1957-60

*Sample:* 37%: 9 dropouts, incomplete; about the same happiness distribution.

*N:* 17

---

### Measured Correlate

**Class:** recent happiness (< 1 year ago) Code: H 5.2.1.1

**Measurement:** Clinical rank on present happiness - unhappiness, stressing possible aware subjective feelings (MIX 5).

Assessed 6 months after assessment of hedonic level.

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r = +.76</td>
<td><strong>Hedonic level</strong> (Elation-Depression Scale; AFF 3.1) scored each night for highest, lowest and average of the day.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mean daily highest mood : r = +.57</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mean daily average mood : r = +.76</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mean daily lowest mood : r = +.56</td>
</tr>
</tbody>
</table>

---

**Print date:** 7-2-2003  
**World Database of Happiness:** www.eur.nl/fsw/research/happiness  
**Page:** 104 of 198
Study: ADAMS 1988

Reported in: Adams, R.G.
Which comes first: Poor psychological well-being or decreased friendship activity?
Activities, Adaptation and Aging, 1988, vol. 12, p.27-41

Population: 62+ aged, white, non-married, females, middle class suburb of Chicago, USA. 1981-84

Sample:
Non-Response: Dropout: 27% due to incapacity, 13% refusal
N: 70 (T1), 42 (T2)

Measured Correlate
Class: past happiness (1 to 10 years ago) Code: H 5.2.1.2
Measurement: Bradburn Affect Balance Scale (see BRADB 1969) (AFF 2.3)
Assessed at:
- T1: 1981
- T2: 1984

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query: A-BB/cm/mq/v/2/a
Statistics: r=.38 p<.05
Remarks: T1 happiness by T2 happiness.

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness Page 105 of 198
Findings on Happiness & HAPPINESS CAREER

Study | BACHM 1970
---|---
**Reported in:** | Bachman, J.G./Kahn, R.L./Mednick, M./Davidson, T.N.
Youth in transition. Vol.II: The impact of family background on intelligence in 10th-grade

**Population:** | Public highschool boys followed 3 years from grade 10, USA, 1966-69

**Sample:** | 2.8% incomplete information in 1966

**Non-Response:** | T1:2213, T2: 1886, T3: 1799

**N:** | T1:2213, T2: 1886, T3: 1799

**Measured Correlate**

**Class:** | past happiness (1 to 10 years ago) Code: H 5.2.1.2

**Measurement:** | Six item index of closed questions:
1. I feel like smiling
2. I generally feel in good spirits
3. I feel happy
4. I am satisfied with life
5. I find a good deal of happiness in life
6. I feel sad
Scored: almost always true, often true, sometimes true, seldom true, never true

**Assessed at:**
T1 Fall 1966
T2 Spring 1968
T3 Spring 1969

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/g/mq/v/5/a</td>
<td>r=+.63</td>
<td>T2 - T3 (12 months)</td>
</tr>
<tr>
<td></td>
<td>r=+.54</td>
<td>T1 - T2 (18 months)</td>
</tr>
<tr>
<td></td>
<td>r=+.47</td>
<td>T1 - T3 (30 months)</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003
World Database of Happiness: www.eur.nl/fsw/research/happiness
Page 106 of 198
Findings on Happiness & HAPPINESS CAREER

**Study**

**BACHM 1978**

**Reported in:** Bachman, J. G., O’Malley, P. M., Johnston, J.
Youth in transition, vol. VI: Adolescence to adulthood, change and stability in the lives Institute for Social Research, University of Michigan, Ann Arbor, Michigan, 1978

**Population:** Public highschool boys followed 8 years from grade 10, USA, 1966-74

**Sample:**
Non-Response: 2.8% at T1,
17.2% at T2,
21.0% at T3,
28.9% at T4,
28.5% at T5

N: T1 - T5:
2213/1886/1799/
1620/1628

**Measured Correlate**

**Class:** past happiness (1 to 10 years ago) Code: H 5.2.1.2

**Measurement:**
Six item index of closed questions:
1 I feel like smiling
2 I generally feel in good spirits
3 I feel happy
4 I am satisfied with my life
5 I find a good deal of happiness in life
6 I feel sad
Scored: Almost always true, often true, sometimes true, seldom true, never true

Assessed at:
T1 Fall 1966
T2 Spring 1968
T3 Spring 1969
T4 Spring 1970

**Measured Values:**

**Error Estimates:**

**Remarks:** Raw correlations provided by the author:

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/g/mq/v/5/a</td>
<td>r=+.54</td>
<td>p&lt;.001</td>
</tr>
<tr>
<td></td>
<td>T1-T2 1.5 yr</td>
<td></td>
</tr>
<tr>
<td></td>
<td>r=+.45</td>
<td>p&lt;.001</td>
</tr>
<tr>
<td></td>
<td>T1-T3 2.5 yr</td>
<td></td>
</tr>
<tr>
<td></td>
<td>r=+.43</td>
<td>p&lt;.001</td>
</tr>
<tr>
<td></td>
<td>T1-T4 3.5 yr</td>
<td></td>
</tr>
</tbody>
</table>

Raw correlations provided by the author:
Findings on Happiness & HAPPINESS CAREER  

Correlate Code: H 5

\[ r = +.64 \quad p < .001 \quad T_2 \cdot T_3 \quad 1 \text{ yr} \]
\[ r = +.53 \quad p < .001 \quad T_2 \cdot T_4 \quad 1 \text{ yr} \]
\[ r = +.54 \quad p < .001 \quad T_3 \cdot T_4 \quad 1 \text{ yr} \]

Attenuated overtime correlations:
\[ r = +.75 \quad p < .001 \quad T_1 \cdot T_2 \]
\[ r = +.84 \quad p < .001 \quad T_2 \cdot T_3 \]
\[ r = +.89 \quad p < .001 \quad T_3 \cdot T_4 \]

Estimated yearly stability:
\[ r = +.84 \quad p < .001 \quad T_1 \cdot T_2 \]
\[ r = +.84 \quad p < .001 \quad T_2 \cdot T_3 \]
\[ r = +.89 \quad p < .001 \quad T_3 \cdot T_4 \]
Study  BLOCK 1971/1

Reported in:  Block, J.
Lives through time
Bancroft Books inc., 1971, Berkely, USA

Population:  Highschool pupils, followed from age 11 to 35, USA, 1936-1957

Sample:  
Non-Response:  65% dropout, 11% incomplete data
N:  160

Measured Correlate

Class:  past happiness (1 to 10 years ago)  Code:  H 5.2.1.2

Measurement:  Rating on the basis of interview-protocols by independent judges of cheerfulness as personality descriptive variable from most uncharacteristic to most characteristic of the subject. Rated on a scale ranging from 1 to 9.

Happiness assessed at:
T1: junior high school: age 11-14, ±1936
T2: senior high school: age 14-17, ±1942
T3: fourth decade: age 28-35, ±1957

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks
A-CP/g/rc/?/9/a  mr=+.54  T1 by T2 happiness:
males:  r=+.57 (001)
        r corrected for attenuation =+.75
females:  r=+.50 (001)
        r corrected for attenuation =+.69
Females tend to become less happy between T1 and T2. The individual rankorder is largely maintained (conclusion based on corrected r).

mr=+.31  T2 by T3 happiness:
males:  r=+.26 (05)
        r corrected for attenuation =+.34
females:  r=+.36 (001)
        r corrected for attenuation =+.46
Females tend to become more happy between T2 and T3. The individual rankorder changes considerably (conclusion based on corrected r).
Findings on Happiness & HAPPINESS CAREER

Study

BRADB 1969

Reported in: Bradburn, N.M.
The structure of psychological well-being
Aldine Publishing Company, 1969, Chicago, USA

Population: 21-60 aged, general public, urban areas, USA, 1963 - 64

Sample:
Non-Response: ± 20%, Attrition
± 30%
N: 2787

Measured Correlate

Class: . past happiness (1 to 10 years ago) Code: H 5.2.1.2
Measurement: 10-item index of specific affects in the past few weeks (Bradburns' Affect Balance Scale AFF 2.3)

Assessed at:
T1: January 1963
T2: June 1963
T3: Oktober 1963
T4: January 1964

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks
A-BB/cm/mq/v/2/a  DMr=  Data Detroit Suburban sample only (N=408).

Happiness level (Affect Balance) in average ridits. (RT)
T1: RT=.47
T2: RT=.54
T3: RT=.53
T4: RT=.50

Only T1-T2 difference significant.

Ridit analysis compares distribution in category with distribution in total sample. RT above .50 means relative high level, RT below .50 relative low level.

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 111 of 198
Study CHIRI 1982

Reported in: Chiriboga, D.A.
Consistency in adult functioning: The influence of social stress
Ageing and Society, vol.2 part 1, p.7-29

Population: People in transition followed 4 years, metropolis, USA, 1969-1980

Sample:
Non-Response: Attrition after 11 years 24%
N: 163 (in 1969:216)

Measured Correlate

Class: past happiness (1 to 10 years ago) Code: H 5.2.1.2
Measurement: Happiness (HAPP 1.1) as assessed 11 years ago at T1 (1969).
Closed question rated on a 3-point scale: "In general how happy are you these days?" Very happy: 1, pretty happy: 2, not too happy: 3 (order reversed).

Assessed at:
- T1 (1969)
- T5 (1980; 11 years interval)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/3/cb</td>
<td>r=+.03 ns</td>
<td>Males: r = +.03 ns</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Females: r = +.18 ns</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness Page 112 of 198
### Study: CHIRI 1989

**Reported in:** Chiriboga, D.A.
Stress and loss in middle age

**Population:** People in transition, followed 4 years, metropolis, USA, 1969-1980

**Sample:**

**Non-Response:** Attrition after 11 years 24%

**N:** 163 (in 1969) 216

---

**Measured Correlate**

**Class:** past happiness (1 to 10 years ago) Code: H 5.2.1.2

**Measurement:** Affect Balance Score (AFF 3.2)
8-item index of specific affects (Bradburn 1969), scored "never", "once", "several times" or "often" during the past week.

**Assessed at:**
- T1 (1969)
- T2 (1972)
- T3 (1974)
- T4 (1976)
- T5 (1980; 11 years interval)

**Measured Values:**

**Error Estimates:**

**Remarks:** HIGH STRESS GROUP (N=21)

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| A-BB/cw/mq/v/4/d | r=+.38 p<.05 | T1 happiness by T2 happiness  
· T1 positive affect by T2 pos. affect r=+.53 (01)  
· T1 negative affect by T2 neg. affect r=+.36 ns |
|                 | r=+.46 p<.05 | T1 happiness by T3 happiness  
· T1 positive affect by T3 pos. affect r=+.55 (01)  
· T1 negative affect by T3 neg. affect r=+.34 ns |
|                 | r=+.57 p<.01 | T1 happiness by T4 happiness  
· T1 positive affect by T4 pos. affect r=+.44 (05)  
· T1 negative affect by T4 neg. affect r=+.50 (01) |
<table>
<thead>
<tr>
<th>r</th>
<th>Correlations of Happiness &amp; Affect</th>
<th>Stress Measured by...</th>
</tr>
</thead>
<tbody>
<tr>
<td>+.04</td>
<td><strong>NS</strong></td>
<td>T1 happiness by T5 happiness</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T1 positive affect by T5 pos. affect $r=+.48$ (01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T1 negative affect by T5 neg. affect $r=+.01$ ns</td>
</tr>
</tbody>
</table>

**LOW STRESS GROUP (N=51)**

<table>
<thead>
<tr>
<th>r</th>
<th>Correlations of Happiness &amp; Affect</th>
<th>Stress Measured by...</th>
</tr>
</thead>
<tbody>
<tr>
<td>+.45</td>
<td><strong>p&lt;.01</strong></td>
<td>T1 happiness by T2 happiness</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T1 positive affect by T2 pos. affect $r=+.30$ (05)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T1 negative affect by T2 neg. affect $r=+.39$ (01)</td>
</tr>
<tr>
<td>+.37</td>
<td><strong>p&lt;.01</strong></td>
<td>T1 happiness by T3 happiness</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T1 positive affect by T3 pos. affect $r=+.52$ (01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T1 negative affect by T3 neg. affect $r=+.37$ (01)</td>
</tr>
<tr>
<td>+.39</td>
<td><strong>p&lt;.01</strong></td>
<td>T1 happiness by T4 happiness</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T1 positive affect by T4 pos. affect $r=+.55$ (01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T1 negative affect by T4 neg. affect $r=+.48$ (01)</td>
</tr>
<tr>
<td>+.26</td>
<td><strong>p&lt;.05</strong></td>
<td>T1 happiness by T5 happiness</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T1 positive affect by T5 pos. affect $r=+.36$ (01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T1 negative affect by T5 neg. affect $r=+.29$ (05)</td>
</tr>
</tbody>
</table>

Stress measured by a 48-item list of burdening life events, similar to Holmes & Rahe (1967) and Horowitz (1976). Scores assessed at T3, T4 and T5 and added. Ss were then subdivided into groups with high stress (N=21) and low stress (N=51).
Findings on Happiness & HAPPINESS CAREER

Study: COSTA 1981

Reported in: Costa, P.T., McCrae, R.R. & Morris, A.H.


Sample:
Non-Response: Attrition 79% at T3, mostly among psychologically least adjusted

N: 557 at T1, 423 at T2, 117 at T3

Measured Correlate

Class: . past happiness (1 to 10 years ago) Code: H 5.2.1.2

Measurement: Single closed question: 'How do you feel about what you have accomplished in life: well satisfied, reasonably satisfied or dissatisfied?'
Assessed at:
- T1 (1958-1963)
- T2 (1964-1969; mean interval 5.3 yr)
- T3 (1969-1975; mean interval 12.6 yr)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-A/h/sq/v/3/a</td>
<td>r=+.49</td>
<td>T1 by T2</td>
</tr>
<tr>
<td></td>
<td>r=+.46</td>
<td>T1 by T3</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

**Study**

**HEADE 1984**

*Reported in:* Headey,B., Holmstroem,E. & Wearing,A.

The impact of life events and changes in domain-satisfaction on well-being


*Population:* 18-65 aged, general public, followed 3 years, Melbourne, Australia, 1979-80

*Sample:*

*Non-Response:*

*N:* 184

---

**Measured Correlate**

*Class:* past happiness (1 to 10 years ago) Code: H 5.2.1.2

*Measurement:*

Affect Balance Score, 10 item index of closed questions on occurrence of specific positive or negative affects during the past few weeks. (AFF 2.3)

Assessed at: - T1 (1978)

- T2 (1981)

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Beta=+.3</td>
<td>β controlled for:</td>
</tr>
</tbody>
</table>

- Satisfaction with standard of living at T1

- Satisfaction with standard of living at T2
Findings on Happiness & HAPPINESS CAREER  
Correlate Code: H 5

**Study**  
**HEADE 1989**  

*Reported in:*  
Headey,B & Veenhoven,R.  
Does happiness induce a rosy outlook?  
in:R.Veenhoven,ed.'How harmful is happiness?'. UniversitairePers Rotterdam, Rotterdam, the Netherlands, 1989, p.106-127  

*Population:*  
18-65 aged, general public, followed 6 years, Melbourne, Australia, 1981-87  

*Sample:*  

*Non-Response:*  
Attrition T1-T4:  
31%  

*N:*  
649

**Measured Correlate**  

*Class:*  
past happiness (1 to 10 years ago)  
Code: H 5.2.1.2

*Measurement:*  
Single direct question asked twice: "How do you feel about your life-as-a-whole?" Rated on a 9 point scale. 1: terrible to 9: delightful.  

*Measured Values:*  

*Error Estimates:*  

*Remarks:*  

**Observed Relation with Happiness**  

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| O-DT/u/sqt/v10/a | βL=.68 p<.05 | Current happiness by earlier happiness: (T4 by T3, T3 by T2, T2 by T1).  
βL is a path coefficient in a 4-wave LISREL model in which coefficients are assumed to be equal for all waves. Controls: satisfaction with marriage (T1, T2, T3 and T4), and T1 sex, age, SES, extraversion and neuroticism. |
|                 | βL=.77 p<.05 | T4 happiness by T3 happiness.  
βL is a path coefficient in a two wave LISREL model. Controls: earlier net life-events (reported at T3 and T4) and T1 sex, age, SES, extraversion and neuroticism. |
Findings on Happiness & HAPPINESS CAREER  Page in Report:

**Study**  
**HENLE 1967**

**Reported in:**  
Henley, B. & Davis, M.S.  
Satisfaction and dissatisfaction: A study of the chronically-ill aged patient.  

**Population:**  
60+ aged chronically-ill, followed three years, USA, 1959-62

**Sample:**

**Non-Response:**  
24% not available  
because of death, mental deterioration, unknown address or r

**N:**  
167 (dropout at T2 46%)

---

**Measured Correlate**

**Class:**  
. past happiness ( 1 to 10 years ago)  
Code: H 5.2.1.2

**Measurement:**  
Single direct question:  
"In general, how satisfied are you with your way of life? Quite satisfied, fairly satisfied, sometimes dissatisfied, usually dissatisfied?"

**Assessed at:**  
- T1 (1959)  
- T2 (1962; 3 years interval)

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

**Happiness Query**  
O-SLL/g/sq/v/4/a

<table>
<thead>
<tr>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>G=+.65 p&lt;.01</td>
<td>T1 happy T1 unhappy T2 happy T2 unhappy</td>
</tr>
<tr>
<td>T2 happy</td>
<td>50</td>
</tr>
<tr>
<td>T2 unhappy</td>
<td>14</td>
</tr>
</tbody>
</table>

T1: 74% happy  
T2: 69% happy  
Change in happiness between T1 and T2: 28%  
Both decrease and turnover greater in domainsatisfactions than in overall satisfaction

---

Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
Page 118 of 198
Study: HENLE 1967

Reported in: Henley, B. & Davis, M.S.
Satisfaction and dissatisfaction: A study of the chronically-ill aged patient.

Population: 60+ aged chronically-ill, followed three years, USA, 1959-62

Sample: 24% not available because of death, mental deterioration, unknown address or r

Non-Response: 167 (dropout at T2 46%)

N: 60+ aged chronically-ill, followed three years, USA, 1959-62

Measured Correlate

Class: Single direct question

Measurement: In general, how satisfied are you with your life? Quite satisfied, fairly satisfied, sometimes dissatisfied, usually dissatisfied?

Assessed at T1 and T2 (three years interval)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query: O-SLL/g/sq/v/4/a

Statistics: G=+.65, p<.01, tb=+.33, p<.01

Remarks: T1 happy T1 unhappy

T2 happy 50 10
T2 unhappy 14 13

T1: 74% happy T2: 69% happy
Change between T1 and T2: 28%
Both decrease and turnover greater in domainsatisfactions than in overall satisfaction
Findings on Happiness & HAPPINESS CAREER

**Study**

**KEITH 1985**

*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:* past happiness (1 to 10 years ago)  
Code: H 5.2.1.2

*Measurement:* Single closed question, rated on a 3-point scale: "Taking things altogether, would you say you’re very happy (3), pretty happy (2) or not too happy these days (1)?" (HAPP 1.1)

Assessed at T1 (10 years ago) and T2.

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| O-HL/c/sq/v/3/aa | r=+ | Current happiness assessed at T2: Widowed \( r = +.36 \text{ (ns)} \) \& = +.30 (05)  
Divorced/Separated \( r = +.33 \text{ (ns)} \) \& = +.30 (05)  
Never married \( r = +.34 \text{ (ns)} \) \& = +.23 (05)  
\( \theta \)'s controlled for sex, earlier education, age, earlier occupation, retirement attitudes, health, income and employment. |
Findings on Happiness & HAPPINESS CAREER

**Study**

**MCCRA 1990**

*Reported in:* McCrae, R.R. & Costa jr, P.T.

Adding Liebe und Arbeit. The full five factor model and Well-being

*Population:* Single males and couples followed 7 years, Baltimore, USA, 1979-86

*Sample:

*Non-Response:*

N: 429

**Measured Correlate**

*Class:* past happiness (1 to 10 years ago) Code: H 5.2.1.2

*Measurement:* 10-item index of closed questions on specific affects Bradburn

Affect Balance Score (AFF 2.3).

*Assessed at:*
- T1: 1979
- T2: 1981

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>r=+.51 p&lt;.01</td>
<td>T2 happiness (full ABS) by T1 happiness (full ABS)</td>
</tr>
<tr>
<td></td>
<td>r=+.37 p&lt;.01</td>
<td>T2 happiness (full ABS) by T1 positive affect (part ABS)</td>
</tr>
<tr>
<td></td>
<td>r=-.39 p&lt;.01</td>
<td>T2 happiness (full ABS) by T1 negative affect (part ABS)</td>
</tr>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>r=+.51 p&lt;.01</td>
<td>T2 happiness (LS: HAPP 2.1) by T1 happiness (ABS: AFF 2.3)</td>
</tr>
<tr>
<td></td>
<td>r=+.37 p&lt;.01</td>
<td>T2 happiness (LS: HAPP 2.1) by T1 positive affect</td>
</tr>
<tr>
<td></td>
<td>r=-.39 p&lt;.01</td>
<td>T2 happiness (LS: HAPP 2.1) by T1 negative affect</td>
</tr>
</tbody>
</table>
**Study**  
**MCCRA 1990**

*Reported in:* McCrae, R.R. & Costa Jr., P.T.  
Adding Liebe und Arbeit. The full five factor model and Well-being  

*Population:* Single males and couples followed 7 years, Baltimore, USA, 1979-86  

*Non-Response:*  
N: 429  

### Measured Correlate

*Class:* past happiness (1 to 10 years ago)  
Code: H.5.2.1.2  

*Measurement:* 10-item index of closed questions on specific affects Bradburn Affect Balance Score (AFF 2.3).  
Assessed at:  
- T1: 1979  
- T2: 1981  

*Measured Values:*  

*Error Estimates:*  

*Remarks:*  

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mg/v/2/a</td>
<td>r=+.51 p&lt;.01</td>
<td>T1 happiness (full ABS) by T2 happiness (full ABS)</td>
</tr>
<tr>
<td></td>
<td>r=+.39 p&lt;.01</td>
<td>T1 happiness (full ABS) by T2 positive affect (part ABS)</td>
</tr>
<tr>
<td></td>
<td>r=-.39 p&lt;.01</td>
<td>T1 happiness (full ABS) by T2 negative affect (part ABS)</td>
</tr>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>r=+.40 p&lt;.01</td>
<td>T1 happiness (LS: HAPP 2.1) by T2 happiness (ABS: AFF 2.3)</td>
</tr>
<tr>
<td></td>
<td>r=+.25 p&lt;.01</td>
<td>T1 happiness (LS: HAPP 2.1) by T2 positive affect</td>
</tr>
<tr>
<td></td>
<td>r=-.36 p&lt;.01</td>
<td>T1 happiness (LS: HAPP 2.1) by T2 negative affect</td>
</tr>
</tbody>
</table>
**Study**  
**MCCRA 1990**  
Reported in: McCrae, R.R. & Costa Jr, P.T.  
Adding Liebe und Arbeit. The full five factor model and Well-being  

**Population:** Single males and couples followed 7 years, Baltimore, USA, 1979-86  
**Sample:**  
**Non-Response:**  
N: 429

**Measured Correlate**  
Class: . past happiness (1 to 10 years ago) Code: H 5.2.1.2  
Measurement: Single direct question: "How do you feel about your life as a whole?" Rated on a 7-point terrible-delighted scale (HAP 4.1).  
Assessed at:  
- T1: 1979  
- T2: 1981

**Measured Values:**  
**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>r=+.40, p&lt;.01</td>
<td>T2 happiness (ABS: AFF 2.3) by T1 happiness (LS: HAP 2.1)</td>
</tr>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>r=+.61, p&lt;.01</td>
<td>T2 happiness (LS: HAP 2.1) by T1 happiness (LS: HAP 2.1)</td>
</tr>
</tbody>
</table>
**Study**

**MCCRA 1990**

*Reported in:* McCrae, R.R. & Costa jr., P.T.
Adding Liebe und Arbeit. The full five factor model and Well-being

*Population:* Single males and couples followed 7 years, Baltimore, USA, 1979-86

*Sample:*

*Non-Response:*

*N:* 429

---

**Measured Correlate**

*Class:* past happiness (1 to 10 years ago) Code: H 5.2.1.2

*Measurement:* Single direct question: "How do you feel about your life as a
whole?" Rated on a 7-point terrible-delighted scale (HAP 4.1).

*Assessed at:*
- T1: 1979
- t2: 1981

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v2/a</td>
<td>r=+.51 p&lt;.01</td>
<td>T1 happiness (ABS: AFF 2.3) by T2 happiness (LS: HAP 2.1)</td>
</tr>
<tr>
<td>O-DT/u/sq/v7/a</td>
<td>r=+.61 p&lt;.01</td>
<td>T1 happiness (LS: HAP 2.1) by T2 happiness (LS: HAP 2.1)</td>
</tr>
</tbody>
</table>
### Study

**MORTI 1981**

*Reported in:* Mortimer, J.T. & Lorence, J.
Self-concept stability and change from late adolescence to early adulthood
Research on community and mental health 1981, vol 2, page 5-42

*Population:* University graduates 1966/67, followed into adulthood, Michigan, USA, 1962-76

*Sample:*

*Non-Response:* Attrition: 12%

*N:* 442

### Measured Correlate

*Class:* . past happiness (1 to 10 years ago) Code: H 5.2.1.2

*Measurement:* Single direct question rated on 7 point scale.
Happy..................Unhappy
(lead sentence not reported)

**Assessed at:**
T1: 1962/63
T2: 1966
T3: 1976

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-H/?/?/sq/n7/a</td>
<td>r=+.33</td>
<td>T1·T2</td>
</tr>
<tr>
<td></td>
<td>r=+.14</td>
<td>T1·T3</td>
</tr>
<tr>
<td></td>
<td>r=+.26</td>
<td>T2·T3</td>
</tr>
</tbody>
</table>

*Overtime correlations (r') computed from Lisrel model*
**Study**  
**MUSSE 1980**  
Continuity and change in women’s characteristics over four decades  
*Population:* Mothers, followed from age 30 to 70, Berkeley, USA, 1930-70

<table>
<thead>
<tr>
<th>Sample</th>
<th>Non-Response:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N: 81</td>
</tr>
</tbody>
</table>

**Measured Correlate**  
*Class:* . past happiness (1 to 10 years ago)  
*Measurement:* Rating of satisfaction with lot on 7 point scales by independent interviewers.  

- **T1 (1930):** Ratings by two interviewers:  
  - Clinical psychologist on the basis of an interview  
  - Social worker on the basis of observations at home and during tests of the child at university.  
  Inter-rater agreement: \( r = +.60 \).  

- **T2 (1970):** Rating by one interviewer on the basis of an extensive interview

**Measured Values:**  

**Error Estimates:**  

**Remarks:** Guidance group only (N=53)

**Observed Relation with Happiness**  
<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLC/g/fi/v/7/b</td>
<td>( r = +.15 ) ns</td>
<td>Guidance group only (N=53)</td>
</tr>
</tbody>
</table>

| DMt=-.07 | T1: M=4.0 SD=1.2 Mt'=5.01 |
| T2: M=3.6 SD=1.3 Mt'=4.34 |

---

Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
Page 126 of 198
Study: MUSSE 1980

Continuity and change in women's characteristics over four decades

Population: Mothers, followed from age 30 to 70, Berkeley, USA, 1930-70

Sample:
Non-Response: 81

Measured Correlate

Class: . past happiness (1 to 10 years ago) Code: H 5.2.1.2
Measurement:
- Rating by independent interviewers, scored on a 7 point scale
- T1 (1930): Ratings by two interviewers
  - Clinical psychologist on the basis of interview
  - Social worker on the basis of observations during visits at home and during tests of the child at university
- T2 (1970): Rating by one interviewer on the basis of extensive interview

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-SLC/g/ i/v/7/b DMt=-0.7 T1: M=4.0  SD=1.2  Mt'=5.01
T2: M=3.6  SD=1.3  Mt'=4.34
Findings on Happiness & HAPPINESS CAREER  
Correlate Code: H 5

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

**Measured Correlate**

- **Class**: past happiness (1 to 10 years ago)  
  Code: H 5.2.1.2

- **Measurement**: 8-item additive index of specific affects in the past few weeks  
  (Bradburn Affect Balance Scale: AFF 2.3)
  Assessed at:  
  - T2 (1976)
  - T3 (1977)

| Measured Values: | |
| Error Estimates: | |
| Remarks:         | |

**Observed Relation with Happiness**

- **Happiness Query**: A-BB/cw/mq/v/4/c  
  **Statistics**: r=.52  
  **p**: <.01  
  **Remarks**: T3 happiness by T2 happiness.
Findings on Happiness & HAPPINESS CAREER

**Measured Correlate**

**Class:** past happiness (1 to 10 years ago)  
**Measurement:** Assessed at:
- T1: 1968/70
- T2: 1970/72
- T3: 1972/74

**Population:** 46+ aged whites, North Carolina, USA, 1968-1972/74
**Sample:** Probability stratified sample

**Non-Response:**
- N: 378

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/c/sq/l/10/c</td>
<td>r=+.40 p&lt;.05</td>
<td>T1 life satisfaction by T3 life satisfaction</td>
</tr>
<tr>
<td>Beta=+.3 p&lt;.05</td>
<td>Residual regression. Dependent T3 life satisfaction.</td>
<td></td>
</tr>
<tr>
<td>T1 life satisfaction</td>
<td>R =+.40</td>
<td></td>
</tr>
<tr>
<td>T1 selfrated health</td>
<td>B1=+.41</td>
<td></td>
</tr>
<tr>
<td>Beta=+.1 p&lt;.05</td>
<td>Residual regression. Dependent T3 life satisfaction.</td>
<td></td>
</tr>
<tr>
<td>T2 life satisfaction</td>
<td>R =+.56</td>
<td></td>
</tr>
<tr>
<td>T2 selfrated health</td>
<td>B1=+.57</td>
<td></td>
</tr>
<tr>
<td>T1 life satisfaction</td>
<td>B2=+.59</td>
<td></td>
</tr>
<tr>
<td>r=+.56 p&lt;.05</td>
<td>T2 life satisfaction by T3 life satisfaction</td>
<td></td>
</tr>
<tr>
<td>Beta=+.4 p&lt;.05</td>
<td>Residual regression. Dependent T3 life satisfaction.</td>
<td></td>
</tr>
<tr>
<td>T2 life satisfaction</td>
<td>R =+.56</td>
<td></td>
</tr>
<tr>
<td>T2 selfrated health</td>
<td>B1=+.57</td>
<td></td>
</tr>
<tr>
<td>T1 life satisfaction</td>
<td>B2=+.59</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER  

**Study**  
**PALMO 1979**  
*Reported in:*  
Palmore, E.B., Cleveland Jr, P.C., Nowlin, J.B., Ramm, D. & Siegler, I.C.  
Stress and Adaptation in Later Life  
Reprint from 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:* past happiness (1 to 10 years ago)  
*Code:* H 5.2.1.2

*Measurement:* Self-report 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

*Name:* Cantril’s selfanchoring ladder rating of life (adapted version)  
*Assessed at T1 and T4.*

**Measured Values:**  
T1 M = 7.0  
T4 M = 7.0

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/c/sq/l10/c</td>
<td>DM = ns</td>
<td>Difference life satisfaction T1 to T4.</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
Page 130 of 198
<table>
<thead>
<tr>
<th>Study</th>
<th>PALMO 1981</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in</td>
<td>Palmore, E.B.</td>
</tr>
<tr>
<td>Sample</td>
<td>Probability stratified sample</td>
</tr>
<tr>
<td>Non-Response</td>
<td>N: 375</td>
</tr>
</tbody>
</table>

**Measured Correlate**

<table>
<thead>
<tr>
<th>Class</th>
<th>. past happiness (1 to 10 years ago) Code: H 5.2.1.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement</td>
<td>46-50 years old</td>
</tr>
<tr>
<td></td>
<td>51-55</td>
</tr>
<tr>
<td></td>
<td>56-60</td>
</tr>
<tr>
<td></td>
<td>61-65</td>
</tr>
<tr>
<td></td>
<td>66-70</td>
</tr>
<tr>
<td>Assessed at</td>
<td>T1 1968/70</td>
</tr>
<tr>
<td></td>
<td>T2 1970/72</td>
</tr>
<tr>
<td></td>
<td>T3 1972/74</td>
</tr>
<tr>
<td></td>
<td>T4 1974/76</td>
</tr>
</tbody>
</table>

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/c/sq/l/10/c</td>
<td>DM=ns</td>
<td></td>
</tr>
</tbody>
</table>
Study  PALMO 1981

**Reported in:** Palmore, E.B.  
Social Patterns in Normal Aging: Findings from the Duke Longitudinal Study.  

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

**Sample:** Probability stratified sample

**Non-Response:**

| N: | 375 |

**Measured Correlate**

**Class:**. past happiness (1 to 10 years ago)  
**Measurement:** Assessed at:

| T1  | 1968/70 |
| T2  | 1970/72 |
| T3  | 1972/74 |
| T4  | 1974/76 |

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

**Happiness Query**  
O-BW/c/sq/l/10/c

**Statistics**  
DM=ns

**Remarks**
Findings on Happiness & HAPPINESS CAREER

SCHAE 1963/2

Reported in: Schaefer, E.S. & Bailey, N.

Population: Girls, followed from age 0 to 18, Berkely, California, USA, 1929-47

Sample:

Non-Response: 19

N: 19

Measured Correlate

Class: past happiness (1 to 10 years ago) Code: H 5.2.1.2

Measurement:

T1: age 0-3 (1929)
Clinical ratings on the basis of repeated observations of expressive behavior (AFF 5.1). Ratings were scored on a 7 point scale, that ranged from 'happy' to 'unhappy'. These ratings were part of wider observations on social and psychological functioning.
Ratings were made in the following ages in months: 10, 11, 12, 14, 15, 18, 21, 27, 30, 36.

T2: age 12-18 (1947)
Happiness assessed in adolescence.
HAP 7.3 based on various interviews and observations in adolescence.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/ti/v/7/a</td>
<td>mr=-.11</td>
<td>month 11   r=-.14 (ns)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>month 14   r=-.21 (ns)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>month 21   r=-.19 (ns)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>month 30   r=+.09 (ns)</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003
World Database of Happiness: www.eur.nl/fsw/research/happiness
Findings on Happiness & HAPPINESS CAREER Correlate Code: H 5

### Study

**STACE 1991**

**Reported in:** Stacey, C.A. & Gatz, M.

Cross-sectional age-differences and longitudinal change on the Bradburn Affect Balance Scale.


**Population:** Three generations of family members, followed 14 years, USA, 1971-85

**Sample:**

**Non-Response:**

- Attrition T1-T2: 43%

- **N:** 1159

### Measured Correlate

**Class:** Past happiness (1 to 10 years ago) Code: H 5.2.1.2

**Measurement:**

10 item index of specific affects in the past few weeks (Bradburn’s Affect Balance Scale) (AFF 2.3)

**Assessed at:**

- T1: 1971
- T2: 1985

(14 year interval)

### Observed Relation with Happiness

**Happiness Query**

<table>
<thead>
<tr>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mg/v/2/a</td>
<td>r = +.32</td>
</tr>
</tbody>
</table>

**Age (years)**

<table>
<thead>
<tr>
<th></th>
<th>T1</th>
<th>T2</th>
<th>T1</th>
<th>T2</th>
</tr>
</thead>
<tbody>
<tr>
<td>15-19</td>
<td>29.33</td>
<td>5.81</td>
<td>6.70</td>
<td></td>
</tr>
<tr>
<td>20-34</td>
<td>34.48</td>
<td>6.02</td>
<td>6.82</td>
<td></td>
</tr>
<tr>
<td>35-49</td>
<td>49.63</td>
<td>6.93</td>
<td>7.40</td>
<td></td>
</tr>
<tr>
<td>50-64</td>
<td>64.78</td>
<td>7.23</td>
<td>7.62</td>
<td></td>
</tr>
<tr>
<td>65-86</td>
<td>79.100</td>
<td>7.51</td>
<td>6.38</td>
<td></td>
</tr>
</tbody>
</table>

Significant effect of age. Both positive affect (PA) and negative affect (NA) decline with age. Negative affect declines most. As a result Affect Balance (Hedonic level) rises. This appears both in cross-sectional and longitudinal comparison.

Unaffected by sex

Negative affect: overtime correlation +.44
Positive affect: overtime correlation +.30
Findings on Happiness & HAPPINESS CAREER  
Correlate Code: H 5

Study  
**THOMP 1960**  
*Reported in:* Thompson, W.E., Streib, G.F. & Kosa, J.  
The effect of retirement on personal adjustment: a panel analysis.  

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

*Non-Response:*  

*N:* 1559

Measured Correlate  
*Class:* past happiness (1 to 10 years ago)  
*Measurement:* Happiness (MIX 1.2) assessed at:  
- T1 (1952)  
- T2 (1954)

1. All in all, how much happiness would you say you find in life today?  
2. In general, how would you say you feel most of the time, in good spirits or in low spirits?  
3. On the whole, how satisfied would you say you are with your way of life today?

Observed Relation with Happiness  
*Happiness Query*  
M-AO/g/mq/*0/a

*Statistics*  
G =+.70  p<.01  Current happiness assessed at T2

*Remarks*  
Gainfully employed throughout: G' =+.75 (01)  
Retired between T1 and T2: G' =+.57 (01)  
- Positive orientation to retirement at T1: G =+.53 (01)  
- Negative orientation to retirement at T1: G =+.45 (01)  
- Voluntary retired: G' =+.60 (01)  
- Compulsory retired: G' =+.41 (01)  
- Pos. orientation (T1), voluntary retired: G' =+.69 (01)  
- Pos. orientation (T1), compulsory retired: G' =+.37 (01)  
- Neg. orientation (T1),
<table>
<thead>
<tr>
<th></th>
<th>( G' )</th>
</tr>
</thead>
<tbody>
<tr>
<td>voluntary retired</td>
<td>+.24 (05)</td>
</tr>
<tr>
<td>Neg. orientation (T1), compulsory retired</td>
<td>+.52 (01)</td>
</tr>
</tbody>
</table>
### Study

**WESSM 1966/2**

- **Reported in:** Wessman, A.E. & Ricks, D.F.
- **Mood and personality**
  Holt, 1966, New York, USA
- **Population:** Male college students, followed 3 years, Harvard University, USA, 1957-60
- **Sample:**
- **Non-Response:** 37%: 9 dropouts, incomplete; about the same happiness distribution.
- **N:** 17

### Measured Correlate

- **Class:** Past happiness (1 to 10 years ago) Code: H 5.2.1.2
- **Measurement:** Questionnaire items indicative of avowed happiness - unhappiness. Assessed two years earlier.
- **Measured Values:**
- **Error Estimates:**
- **Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>$r = +.67$</td>
<td>Hedonic level (Elation-Depression Scale: AFF 3.1) scored each night for the highest, lowest and average of the day.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mean daily highest mood: $r = +.66$</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mean daily average mood: $r = +.67$</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mean daily lowest mood: $r = +.32$</td>
</tr>
</tbody>
</table>

---

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness
Findings on Happiness & HAPPINESS CAREER

Correlate Code: H 5

<table>
<thead>
<tr>
<th>Study</th>
<th>YEO 1987</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reported in:</strong></td>
<td>Yeo, G., Ingram, L., Skurnick, J., and Crapo, L.</td>
</tr>
<tr>
<td>Effects of a Geriatric Clinic on Functional Health and Well-being of Elders</td>
<td></td>
</tr>
<tr>
<td><strong>Population:</strong></td>
<td>65+ aged, patients, ambulatory medical center, followed 18 mth, California, USA, 198?</td>
</tr>
<tr>
<td><strong>Sample:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Non-Response:</strong></td>
<td>Refusal 15.91%, unable 6.17%, to 1st question. 11.36%, to 2nd question. 21.43%</td>
</tr>
<tr>
<td><strong>N:</strong></td>
<td>139</td>
</tr>
</tbody>
</table>

**Measured Correlate**

<table>
<thead>
<tr>
<th>Class:</th>
<th>past happiness (1 to 10 years ago)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measurement:</strong></td>
<td>10 item index of closed questions on specific affects in the past few weeks. (Bradburn Affect Balance Scale)</td>
</tr>
<tr>
<td>Assessed at</td>
<td></td>
</tr>
<tr>
<td>- T1: 1979</td>
<td></td>
</tr>
<tr>
<td>- T2: 18 months later</td>
<td></td>
</tr>
</tbody>
</table>

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mg/v/2/a</td>
<td>r=+.34</td>
<td>geriatric clinic</td>
</tr>
<tr>
<td></td>
<td>r=+.34</td>
<td>general medical clinic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(r' computed from b and SD in table)</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 139 of 198
Findings on Happiness & HAPPINESS CAREER

**Study**

**BLOCK 1971/1**

*Reported in:* Block, J.

*Lives through time*

Bancroft Books inc., 1971, Berkely, USA

*Population:* Highschool pupils, followed from age 11 to 35, USA, 1936-1957

*Sample:*

*Non-Response:* 65% dropout, 11% incomplete data

*N:* 160

---

**Measured Correlate**

*Class:* . long term happiness (< 10 years ago)  
*Code:* H 5.2.1.3

*Measurement:* Rating on the basis of interview-protocols by independent judges of cheerfulness as personality descriptive variable from most uncharacteristic to most characteristic of the subject. Rated on a scale ranging from 1 to 9.

*Happiness assessed at:*

- **T1:** junior high school: age 11-14, ±1936
- **T2:** senior high school: age 14-17, ±1942
- **T3:** fourth decade: age 28-35, ±1957

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| A-CP/g/rc/?/9/a  | mr=.54     | T1 by T2 happiness:  
|                 |            | males: \( r=+.57 \) (001)  
|                 |            | \( r \) corrected for attenuation =+.75  
|                 |            | females: \( r=+.50 \) (001)  
|                 |            | \( r \) corrected for attenuation =+.69  
|                 |            | **Females tend to become less happy between T1 and T2. The individual rankorder is largely maintained (conclusion based on corrected r).** |

|                 | mr=.31     | T2 by T3 happiness:  
|                 |            | males: \( r=+.26 \) (05)  
|                 |            | \( r \) corrected for attenuation =+.34  
|                 |            | females: \( r=+.36 \) (001)  
|                 |            | \( r \) corrected for attenuation =+.46  
|                 |            | **Females tend to become more happy between T2 and T3. The individual rankorder changes considerably (conclusion based on corrected r).** |

---

Print date: 7-2-2003  
World Database of Happiness: [www.eur.nl/fsw/research/happiness](http://www.eur.nl/fsw/research/happiness)  
Page 140 of 198
### Findings on Happiness & HAPPINESS CAREER

**Correlate Code:** H 5

**Rating on the basis of interview protocols.**

**T1:** adolescence age 11 to 17 ± 1936.  
**T2:** adulthood age 32 ± 1951.

---

**Measured Correlate**

**Class:** Lives through time  
**Measurement:**
- Rating on the basis of interview protocols.  
- T1: adolescence age 11 to 17 ± 1936.  
- T2: adulthood age 32 ± 1951.

**Population:** Highschool pupils, followed from age 11 to 32, USA, 1936-51

**Sample:**

**Non-Response:**

**N:** 72

---

**Observed Relation with Happiness**

**Happiness Query**  
**Statistics**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| A-CP/g/rc/?/9/a  | mr=.23     | T1 by T2 happiness:  
- males : r = +.26 (ns)  
- females : r = +.20 (ns) |
Findings on Happiness & HAPPINESS CAREER

CHIRI 1982

Reported in: Chiriboga, D.A.
Consistency in adult functioning: The influence of social stress
Ageing and Society, vol.2 part 1, p.7-29

Population: People in transition followed 4 years, metropolis, USA, 1969-1980

Sample: 
Non-Response: Attrition after 11 years 24%
N: 163 (in 1969:216)

Measured Correlate

Class: . long term happiness (< 10 years ago) Code: H 5.2.1.3
Measurement: Happiness (HAPP 1.1) as assessed 11 years ago at T1 (1969).
Closed question rated on a 3-point scale: "In general how happy are you these days?" Very happy:1, pretty happy:2, not too happy:3 (order reversed).
Assessed at:
- T1 (1969)
- T5 (1980; 11 years interval)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-HL/c/sq/v/3/cb r=+ ns Males: r = +.03 ns Females: r = +.18 ns

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness Page 143 of 198
Findings on Happiness & HAPPINESS CAREER

Study: CHIRI 1989

Reported in: Chiriboga, D.A.
Stress and loss in middle age

Population: People in transition, followed 4 years, metropolis, USA, 1969-1980

Sample:
Non-Response: Attrition after 11 years 24%
N: 163 (in 1969 216)

Measured Correlate

Class: long term happiness (< 10 years ago) Code: H 5.2.1.3
Measurement: Affect Balance Score (AFF 3.2)
8-item index of specific affects (Bradburn 1969), scored "never", "once", "several times" or "often" during the past week.

Assessed at:
- T1 (1969)
- T2 (1972)
- T3 (1974)
- T4 (1976)
- T5 (1980; 11 years interval)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cw/mq/v/4/d</td>
<td>r=+.38</td>
<td>T1 happiness by T2 happiness</td>
</tr>
<tr>
<td></td>
<td>p&lt;.05</td>
<td>- T1 positive affect by T2 pos. affect r=+.53 (01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T1 negative affect by T2 neg. affect r=+.53 ns</td>
</tr>
<tr>
<td></td>
<td>r=+.46</td>
<td>T1 happiness by T3 happiness</td>
</tr>
<tr>
<td></td>
<td>p&lt;.05</td>
<td>- T1 positive affect by T3 pos. affect r=+.55 (01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T1 negative affect by T3 neg. affect r=+.34 ns</td>
</tr>
<tr>
<td></td>
<td>r=+.57</td>
<td>T1 happiness by T4 happiness</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td>- T1 positive affect by T4 pos. affect r=+.44 (05)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T1 negative affect by T4 neg. affect r=+.50 (01)</td>
</tr>
<tr>
<td>Correlation</td>
<td>Significance</td>
<td>Description</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------</td>
<td>-------------</td>
</tr>
<tr>
<td>r=+.04</td>
<td>ns</td>
<td>T1 happiness by T5 happiness</td>
</tr>
<tr>
<td>r=+.45</td>
<td>p&lt;.01</td>
<td>T1 happiness by T2 happiness</td>
</tr>
<tr>
<td>r=+.37</td>
<td>p&lt;.01</td>
<td>T1 happiness by T3 happiness</td>
</tr>
<tr>
<td>r=+.39</td>
<td>p&lt;.01</td>
<td>T1 happiness by T4 happiness</td>
</tr>
<tr>
<td>r=+.26</td>
<td>p&lt;.05</td>
<td>T1 happiness by T5 happiness</td>
</tr>
</tbody>
</table>

**LOW STRESS GROUP (N=51)**

- T1 positive affect by T5 pos. affect \( r=+.48 \) (01)
- T1 negative affect by T5 neg. affect \( r=+.01 \) ns
Findings on Happiness & HAPPINESS CAREER

COSTA 1981

Reported in: Costa, P.T., McCrae, R.R. & Morris, A.H.
Personal adjustment to aging: Longitudinal prediction from neuroticism and extraversion.

Population: 17-97 aged males, visitors of the Gerontology Research Centre, followed ± 10 years
Baltimore, USA. 1958-70

Sample:
Non-Response: Attrition 79% at T3, mostly among psychologically least adjusted

N: 557 at T1, 423 at T2, 117 at T3

Measured Correlate
Class: Long term happiness (< 10 years ago) Code: H 5.2.1.3
Measurement: Single closed question: 'How do you feel about what you have accomplished in life: well satisfied, reasonably satisfied or dissatisfied?'
Assessed at:
- T1 (1958-1963)
- T2 (1964-1969; mean interval 5.3 yr)
- T3 (1969-1975; mean interval 12.6 yr)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
C-A/h/sq/v/3/a r=+.49 T1 by T2
r=+.46 T1 by T3
Findings on Happiness & HAPPINESS CAREER

Study

DOBSO 1985

Reported in: Dobson, C.
Attitudes and Perceptions

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

Sample: T1 refusals: 8%
T1-T2 drop-out: 29%, of which 20% deceased

N: T1: 1870, T2: 1319

Measured Correlate

Class: Long term happiness (< 10 years ago)  Code: H 5.2.1.3

Measurement: Single direct 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 (CON 1.1)

Assessed at T1 and T2 (10 yr interval)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
M-CO/h/sq/v/4/a r=.39 p<.001 T2 T2 T2

very fairly not

T1: very 71% 32% 23%
T1: fairly 28% 65% 62%
T1: not 1% 3% 15%

T1: M=3.52 SD= 0.54 Mt’ =8.40
T2: M=3.53 SD=0.55 Mt’ =8.43

About one-third changed their estimate of well-being. The average remained the same.

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsr/research/happiness Page 147 of 198
Study | MUSSE 1980 | Page in Report: 337
---|---|---
Population: | Mothers, followed from age 30 to 70, Berkeley, USA, 1930-70 | |
Sample: | | |
Non-Response: | N: 81 | |

Measured Correlate
Class: | long term happiness (< 10 years ago) | Code: H 5.2.1.3 |
Measurement: | Rating of cheerfulness (vs gloomy) on 7 point scales by independent interviewers. |
T1 (1930): Ratings by two interviewers: | - Clinical psychologist on the basis of an interview |
| | - Social worker on the basis of observations at home and during tests of the child at university. |
| Inter-rater agreement: r=+.59 | |
T2 (1970): Rating by one interviewer on the basis of an extensive interview | |

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/ft/n/7/a</td>
<td>r=+.28 p&lt;.05</td>
<td>Guidance group (N=53)</td>
</tr>
<tr>
<td>r=+.27 ns</td>
<td>Control group (N=28)</td>
<td></td>
</tr>
</tbody>
</table>

DMt=0
T1: M=3.7 SD=1.1 Mt'=4.51
T2: M=3.7 SD=1.2 Mt'=4.51
Findings on Happiness & HAPPINESS CAREER

**MUSSE 1980**

Continuity and change in women's characteristics over four decades

*Population:* Mothers, followed from age 30 to 70, Berkeley, USA, 1930-70

*Sample:
Non-Response:
N: 81

**Measured Correlate**

*Class:* . long term happiness (< 10 years ago) Code: H 5.2.1.3

*Measurement:* Rating of cheerfulness (vs gloomy) on 7 point scale by independent interviewers
T1 (1930): Rating by two independent interviewers:
- clinical psychologist on the basis of an interview, and
- social worker on the basis of observations during visits at home and during tests of the child at university
T2 (1970): Rating by one interviewer on the basis of an extensive interview

*Measured Values:
Error Estimates:

*Remarks:* Guidance group only (N=53)

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/fi/n/7/a</td>
<td>DMt=0</td>
<td>Guidance group only (N=53)</td>
</tr>
</tbody>
</table>
Findings on Happiness & HAPPINESS CAREER

**Study**

**MUSSE 1980/2**


*Population:* Mothers of preschool-aged-children, Berkeley USA, 1928-68

*Sample:*

*Non-Response:* N: 28

---

**Measured Correlate**

*Class:* Long term happiness (< 10 years ago) Code: H 5.2.1.3

*Measurement:* T1 happiness (age ± 30) assessed by interviewer ratings of cheerfulness. Index of two ratings by a psychologist and a psychiatric social worker, who interviewed the subject independently.

T2 happiness (age ± 70) assessed by an index of two independent ratings: one by the interviewer and the other by a clinical psychologist who read the interview protocol.

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

**Observed Relation with Happiness**

*Happiness Query* A-CP/g/3/v7/a

*Statistics* r=+.27  p<.10

*Remarks*
### Study

#### SCHAE 1963/1

**Reported in:** Schaefer, E.S. & Bayley, N.
Maternal behavior, child behavior, and their intercorrelations from infancy through
Monographs of the Society for Research in Child Development, Serial no. 87, vol. 28,
nr. 3.

**Population:** Children followed from age 0 to 18, Berkeley, California, USA, 1929-47

**Sample:**

**Non-Response:** 13% drop-outs (7 children and their mothers)

**N:** 54: see under remarks

### Measured Correlate

**Class:** long term happiness (< 10 years ago)  Code: H 5.2.1.3

**Measurement:**

T1: (1929)
Happiness (AFF 5.1, hedonic level) rated 12 times between 10-36 months of age. Ratings combined: months 10 + 11 + 12 / 13 + 14 + 15 / 18 + 21 + 24 / 27 + 30 + 36.

T2: (1947)
Ratings by two judges on the basis of notes from observations and interviews between age 12-18. (inter-rater agreement rather low)

1. 4-item index involving:
   - discontented
   - unhappy
   - dissatisfied
   - complains  (HAPP 3.4)

2. 2-item index involving:
   - gloomy
   - not cheerful  (AFF 1.5)

**Measured Values:**

**Error Estimates:**

**Remarks:**
### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/mi/tsb/n/7/a</td>
<td>$mr = -0.03$</td>
<td>1. $-0.09 (ns)$ $-0.07 (ns)$ $-0.02 (ns)$ $+0.07 (ns)$</td>
</tr>
<tr>
<td></td>
<td>$mr = -0.11$</td>
<td>2. $-0.14 (ns)$ $-0.21 (ns)$ $-0.19 (ns)$ $+0.09 (ns)$</td>
</tr>
</tbody>
</table>

Computed for girls only ($N = 19$).
Findings on Happiness & HAPPINESS CAREER

**Study**  
**SCHAE 1963/2**  
**Reported in:** Schaefer, E.S. & Bailey, N.  
Maternal behavior, child behavior and their intercorrelations from infancy through adolescence.  

**Population:** Girls, followed from age 0 to 18, Berkely, California, USA, 1929-47

**Sample:**

**Non-Response:** 19

**N:**

**Measured Correlate**  
**Class:** long term happiness (< 10 years ago) Code: H 5.2.1.3

**Measurement:**  
T1: age 0-3 (1929)  
Clinical ratings on the basis of repeated observations of expressive behavior (AFF 5.1). Ratings were scored on a 7 point scale, that ranged from ‘happy’ to ‘unhappy’. These ratings were part of wider observations on social and psychological functioning. Ratings were made in the following ages in months: 10, 11, 12, 14, 15, 18, 21, 27, 30, 36.

T2: age 12-18 (1947)  
Happiness assessed in adolescence. HAP 7.3 based on various interviews and observations in adolescence.

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-Sum/g/rc/v/7/a</td>
<td>mr=-.03</td>
<td></td>
</tr>
<tr>
<td>month 11</td>
<td>r=-.09 (ns)</td>
<td></td>
</tr>
<tr>
<td>month 14</td>
<td>r=-.07 (ns)</td>
<td></td>
</tr>
<tr>
<td>month 21</td>
<td>r=-.02 (ns)</td>
<td></td>
</tr>
<tr>
<td>month 30</td>
<td>r=+.07 (ns)</td>
<td></td>
</tr>
</tbody>
</table>

World Database of Happiness: www.eur.nl/fsw/research/happiness  
Print date: 7-2-2003  
Page 153 of 198
Findings on Happiness & HAPPINESS CAREER

**TUDDE 1959**

Reported in: Tuddenham, R.D.
The constancy of personality ratings over two decades.
Genetic Psychology Monographs, 1959, vol. 60, page 3-29

Population: High school pupils, followed into adulthood, California USA, 1934-53

Sample:

Non-Response:

N: 72

---

**Measured Correlate**

Class: Long term happiness (< 10 years ago)  Code: H 5.2.1.3

Measurement:

Clinical rating by two independent observers:
T1: Observation on playground by two female staff members
T2: Ratings on the basis of clinical interviews with two psychologists (interviews with one week interval)

Interrater agreement high
T1: boys r=+.66  girls  r=+.80
T2: men  r=+.78  women  r=+.78

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/c/rc/n/9/a</td>
<td>r=+.26</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>r=+.20</td>
<td>ns</td>
</tr>
</tbody>
</table>

---

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 154 of 198
Findings on Happiness & HAPPINESS CAREER  

**TUDDE 1962**  

**Reported in:** Tuddenham, R.D.  
Constancy of personal morale over a 15 year interval.  
Child Development 1962, vol. 33, page 663-673  

**Population:** Senior high-school pupils, followed into adulthood, USA, 1938-53  

**Non-Response:**  
N: 92  

**Measured Correlate**  

**Class:** . Long term happiness (< 10 years ago)  
**Code:** H 5.2.1.3  

**Measurement:**  

- Single direct question: "Will people of your age get the things they want most of life?"  
  4. I expect to get almost all the things I really want in life  
  3. I will probably get more of the things I really want than not  
  2. There are several things I want in life but will probably never have  
  1. I will probably never have most of the things I really want in life  

**Assessed at:**  
- T1 (1938)  
- T2 (1953)  
(25 year interval)  

**Measured Values:**  

**Error Estimates:**  

**Remarks:** Temporal stability:  

**Observed Relation with Happiness**  

**Happiness Query**  

- C-W/u/sq/v/4/a  
  **Statistics**  
  - C-W/u/sq/v/4/a  
    r=+.23 p<.05  
    r=+.08 ns  
  - males  
  - females  

**Temporal stability:**  

**Temporal shift:**  

- DMt=+1.  
  - males  
    T1: M=2.79 Mt'=5.96  
    Chi²=+ p<.05  
  - females  
    T1: M=2.90 Mt'=6.32  
    DMt=+1.  
    Chi²=+ ns  
  
**Both males and females get more contented**
### Study

**TUDDE 1962**

**Reported in:** Tuddenham, R.D.  
Constancy of personal morale over a 15 year interval.  
Child Development 1962, vol. 33, page 663-673

**Population:** Senior high-school pupils, followed into adulthood, USA, 1938-53

**Sample:**

**Non-Response:**

| N | 92 |

### Measured Correlate

**Class:** long term happiness (< 10 years ago)  
**Code:** H.5.2.1.3

**Measurement:**

Single direct question: "Is it fun to be alive?"

4. I enjoy life so much that it is really just fun to be alive
3. There are only a few things in life that are really disappointing
2. There are many things in life that are really disappointing
1. Sometimes life seems just a series of disappointments

**Assessed at:**

- T1 (1938)
- T2 (1953)  
(25 year interval)

### Measured Values:

### Error Estimates:

### Remarks:

Temporal stability:

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-W/u/sq/v/4/a</td>
<td></td>
<td></td>
</tr>
<tr>
<td>r=+.10 ns</td>
<td>males</td>
<td>Temporal stability:</td>
</tr>
<tr>
<td>r=+.19 ns</td>
<td>females</td>
<td></td>
</tr>
</tbody>
</table>

**Temporal shift:**

| DMT=.06 |
| males |
| T1: M=3.21 Mt' =7.35 |
| T2: M=3.25 Mt' =7.49 |

| Chi²=+ ns |
| T1: M=3.18 Mt' =7.25 |
| T2: M=3.18 Mt' =7.25 |

Fewer adults than adolescents say to enjoy life (score 4), but also fewer emphasize disappointments (scores 2 and 1)
Vocational rehabilitation in Northern Sweden; Aspects of life satisfaction.

Population: Handicapped referred for vocational rehabilitation, followed 2 years, Umea, Sweden, 198?
Sample: Non-probability chunk sample
Non-Response: N: T1: 149; T2: 126

Measured Correlate

Class: Actual changes in happiness Code: H 5.2.2
Measurement: Difference in life satisfaction at:
T1: before start of vocational training
T2: two years after

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/v/6/a</td>
<td>W= ns</td>
<td>Same job T1 and T2 (N = 24)</td>
</tr>
<tr>
<td></td>
<td>W= p&lt;.02</td>
<td>New job/ vocationally activated at T2 (N = 50)</td>
</tr>
<tr>
<td></td>
<td>W= p&lt;.03</td>
<td>In training/education at T2 (N = 21)</td>
</tr>
<tr>
<td></td>
<td>W= ns</td>
<td>Sick/unemployed at T1 and T2 (N = 31)</td>
</tr>
</tbody>
</table>
Study | PALMO 1977
---|---
Reported in: | Palmore, E.B. and Kivett, V.  
Change in Life Satisfaction: A Longitudinal Study of Persons Aged 46-70  
Population: | 46+ aged whites, North Carolina, USA, 1968-1972/74
Sample: | Probability stratified sample
Non-Response: | N: 378

Measured Correlate

Class: | Actual changes in happiness  Code: H 5.2.2
Measurement: | Tabel 1 nog invoeren hier.
Assessed at: | T1: 1968/70  
T2: 1970/72  
T3: 1972/74

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| O-BW/c/sq/l/10/c | DM=0 p<.05 | Age groups at T1, T2, T3: no difference of means.  
Change from round 1 to 3: -1. |
Study | ORMEL 1980
---|---
**Reported in:** | Ormel,H. Moite met leven of een moeilijk leven (Difficulty in living or a difficult life)
Dissertation 1980, University of Groningen, the Netherlands, publisher: Konstapel, Groningen, the Netherlands.

**Population:** | 15-60 aged, general public, followed 12 month, The Netherlands, 1967-77

**Sample:**

**Non-Response:** | 18%

**N:** | 296

**Measured Correlate**

**Class:** | . change over life time Code: H 5.2.2.1

**Measurement:** | Increase in happiness over T2-T3.
8-item additive index of specific affects in the past few weeks (Bradburn Affect Balance Scale: AFF 2.3)
Assessed at T2(1976) and T3(1977).

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cw/mq/v/4/c</td>
<td>r=.18 p&lt;.01</td>
<td>T3 happiness by T2-T3 increase in happiness</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 159 of 198
### Study

**THOMA 1986**

**Reported in:** Thomas, M.E.; Hughes, M.

**Population:** 18+ aged, general public, USA, 1972-85

**Sample:** Probability multi-stage cluster sample

**Non-Response:**

**N:** 18000

### Measured Correlate

**Class:** change over life time  Code: H 5.2.2.1

**Measurement:**

- 1972
- 1985

**Measured Values:**

**Error Estimates:**

**Remarks:** cross-sectional analysis split-up by age cohorts

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>DMa= ns</td>
<td>youngest cohort (turned 18 in 1970 or later)</td>
</tr>
<tr>
<td></td>
<td>DMa= ns</td>
<td>young/middle cohort (turned 18 between 1960-69)</td>
</tr>
<tr>
<td></td>
<td>DMa= p&lt;.05</td>
<td>middle cohort (turned 18 between 1950-59)</td>
</tr>
<tr>
<td></td>
<td>DMa= ns</td>
<td>middle/old cohort (turned 18 between 46-49)</td>
</tr>
<tr>
<td></td>
<td>DMa= p&lt;.05</td>
<td>eldest cohort (turned 18 prior to 1940)</td>
</tr>
</tbody>
</table>

Means adjusted for social class, age and marital status.

---

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 160 of 198
Findings on Happiness & HAPPINESS CAREER

Thurnher, M.

Turning points and development change: Subjective and "objective" assessments

Population: People in transition, followed 8 years, Metropolis USA, 1969-77

Sample:

Non-Response: Sample attrition: 17%

N: 180 (216 in 1969)

Measured Correlate

Class: change over lifetime

Measurement:
- Index (HAP 3.2) consisting of:
  - "Dissatisfied" and "unhappy" responses on the Block (1961) Adjective Rating List
  - Overall happiness
  - Present-year score on the Life-Evaluation Chart

Assessed at T1 (1969) and T2 (1977)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query | Statistics | Remarks
---|---|---
O-Sum/u/mq/*/0/a | AoV= ns | T2 Happiness by change in happiness (T2-T1).

Change in happiness over the 8 years period indicated by including 'time' in ANOVA.
No interaction with age and sex.
Findings on Happiness & HAPPINESS CAREER  
Correlate Code: H 5

<table>
<thead>
<tr>
<th>Study</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>THURN 1983</strong></td>
</tr>
</tbody>
</table>

**Reported in:** Thurnher, M.  
Turning points and development change: Subjective and "objective" assessments  

**Population:** People in transition, followed 8 years, Metropolis USA, 1969-77

**Sample:**

**Non-Response:** Sample attrition: 17%  
N: 180 (216 in 1969)

<table>
<thead>
<tr>
<th>Measured Correlate</th>
</tr>
</thead>
</table>
| **Class:** | change over life time  
| Code: | H 5.2.2.1 |

**Measurement:** 8-item index of specific affects (Bradburn 1969), scored "never", "once", "several times" or "often" during the past week (AFF 2.3).  
Assessed at T1 (1969) and T2 (1977)

**Measured Values:**

**Error Estimates:**

<table>
<thead>
<tr>
<th>Remarks:</th>
</tr>
</thead>
</table>

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| A-BB/cw/mq/v/4/d | AoV=+ p<.01 | T2 Happiness by change in happiness (T2-T1).  
Change in happiness over the 8 years period indicated by including 'time' in ANOVA.  
No interaction with age and sex.  
E²=+.18 p<.01 |
Appendix 1  Queries on Happiness used in reported Studies

Happiness Query Code  Full Text

A-AOL/g/mq/*/0/a  Selfreport on 2 questions:

A: "In general how happy or unhappy do you usually feel? Check the one statement below that best describes your average happiness.
10 extremely happy (feeling ecstatic, joyous, fantastic)
  9 very happy (feeling really good, elated)
  8 pretty happy (spirits high, feeling good)
  7 mildly happy (feeling fairly good and somewhat cheerful)
  6 slightly happy (just a bit above neutral)
  5 neutral (not particularly happy or unhappy)
  4 slightly unhappy (just a bit below neutral)
  3 mildly unhappy (just a little low)
  2 pretty unhappy (somewhat "blue", spirits down)
  1 very unhappy (depressed, spirits very low)
  0 extremely unhappy (utterly depressed, completely down)"

B: "Consider your emotions a moment further. On the average.
- What percent of the time do you feel happy?
- What percent of the time do you feel unhappy?
- What percent of the time do you feel neutral (neither happy nor unhappy)?
  Make sure the three figures add-up to equal 100%".

Scoring:
- Question A :  0.- 10
- Question B :  % happy
Summation : (A * 10 + B)/2

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

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

A-ARE/md/sqr/v/10/a  Selfreport on single question, repeated every evening before retiring during 3 weeks (experience sampling).

"On the average, how happy or unhappy did you feel today....?"
2  Very unhappy. Depressed. Spirits very low.
3  Pretty unhappy. Somewhat 'blue'. Spirits down.
4  Mildly unhappy. Just a little low.
5  Barely unhappy. Just this side of neutral.
6  Barely happy. Just this side of neutral.
7  Mildly happy. Feeling fairly good and somewhat cheerful.

Name: Wessman & Ricks' `Elation - Depression Scale" (adapted version)

A-ARE/md/sqr/v/10/b  Selfreport on single question, answered every evening before retiring during six weeks (experience sampling)

"On average; how elated or depressed, happy or unhappy you felt today....?
10  Complete elation, rapturous joy and soaring ecstasy
  9    Very elated and in very high spirits. Tremendous delight and buoyancy
  8    Elated and in high spirits
  7    Feeling very good and cheerful
  6    Feeling pretty good, "OK"
  5    Feeling a little bit low. Just so-so
  4    Spirits low and somewhat 'blue'
  3    Depressed and feeling very low. Definitely 'blue'
  2    Tremendously depressed. Feeling terrible, really miserable, "just awful"
  1    Utter depression and gloom. Completely down. All is black and leaden. Wish it were all over.

Name: Wesssman & Ricks’ `Elation - depression scale'

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)

A-BB/cw/mq/v/4/c
Selfreport on 8 questions:

"In the past few weeks did you ever feel.....?"
A  Pleased about having accomplished something
B  Upset because someone criticized you
C  Proud because someone complimented you on something you had done
D  That things are going your way
E  So restless you couldn't sit long in a chair
F  Unhappy or depressed
G  Particularly interested in something
H  Lonely and remote from other people

Response options:
0  not at all
1  sometimes
2  often
3  very often

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

Summation:
Positive Affect Score (PAS): summed scores on A, C, D, G
Negative Affect Score (NAS): summed scores on B, E, F, H
Affect Balance Score (ABS): PAS minus NAS

Name: Bradburn's Affect Balance Scale (variant)

A-BB/cw/mq/v/4/d
Selfreport on 8 questions.

"During the past week, did you ever feel.....?"
A  very lonely
B  restless
C  bored
D  depressed
E  on top of the world
F  exited or interested
G  pleased about accomplishment
H  proud

Answer options:
1  never
2  once
3  several times
4  often

Summation:
-Positive Affect Score (PAS): E+F+G+H
-Negative Affect Score (NAS): A+B+C+D
-Affect Balance Score (ABS): PAS-NAS+13

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

Selfreport on 9 questions:

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

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

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

Answer options:
0  not at all
1  once
2  several times
3  often

Summation:
Positive Affect Score (PAS): summed scores on A, C, E, G
Negative Affect Score (NAS): summed scores on B, D, F, H, I
Affect Balance Score (ABS):  PAS minus NAS

Possible range: -15 tot +12

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

Selfreport on 13 questions:

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

A. Exited or pleased about something you were doing
B. That important things in life are going your way
C. Happy, satisfied, or pleased with your personal life.
D. Exited or pleased with something you did or a problem you
    solved
E. That you have a lot of friends you can count on
F. Nervous or tense
G. So restless and irritated you couldn't sit still
H. Down-hearted or depressed
I. Felt concerned or worried about your health
J. Guilty about something you shouldn't have done
K. Unable to get a good night's sleep
L. That your mind was not working the way it should
M. Miserable or discouraged about your future

Answer options:
1 none of the time
2
3
4 most of the time

Summation:
Positive Affect Scale (PAS): A+B+C+D+E
Negative Affect Scale (NAS): F+G+H+I+J+K+L+M
Affect Balance Scale (ABS): PAS minus NAS
Possible range: -32 to +20

Name: Bradburn's Affect Balance Scale (variation by Cohen)

A-BK/cm/mq/v/5/a
Selfreport on 40 questions:

"Over this time period (the last few weeks) I have had the feeling described by":
A  My life is on the right track
B  I seem to be left alone when I don't want to be
C  I feel I can do whatever I want to
D  I think clearly and creatively
E  I feel like a failure
F  Nothing seems very much fun any more
G  I like myself
H  I can't be bothered doing anything
I  I feel close to people around me
J  I feel as though the best years of my life are over
K  My future looks good
L  I have lost interest in other people and don't care about them
M  I have energy to spare
N  I smile and laugh a lot
O  I wish I could change some parts of my life
P  My thoughts go around in useless circles
Q  I can handle any problems that come up
R  My life seems stuck in a rut
S  I feel loved and trusted
T  I feel there must be something wrong with me

"Over this period (the last few weeks), "how often you felt..."
U  Satisfied
V  Lonely
W  Free-and-easy
X  Clear-headed
Y  Helpless
Z  Impatient
AA  Usefull
AB  Depressed
AC Loving
AD Hopeless
AE Optimistic
AF Withdrawn
AG Enthusiastic
AH Good-natured
AI Discontented
AJ Confused
AK Confident
AL Tense
AM Understood
AN Insignificant

Answer options;
0 not at all
1 occasionally
2 some of the time
3 often
4 all the time

Summation:
- Positive Affect score (PAS): mean positive items
- Negative Affect Score (NAS): mean negative items
- Affect balance score (ABS): PAS minus NAS
Possible range: -4 to +4

Selfreport on 48 questions:

Each of the sentences below describes a FEELING. Mark HOW OFTEN you had that feeling during the past few weeks.
A    Nothing goes right with me
B    I feel close to people around me
C    I feel as though the best years of my life are over
D    I feel my life is on the right track
E    I feel loved and trusted
F    My work gives me a lot of pleasure
G    I don't like myself
H    I feel very tense
I    I feel life isn't worth living
J    I am content with myself
K    My past life is filled with failure
L    Everything I do seems worthwhile
M    I amn't be bothered doing anything
N    I feel I can do whatever I want to
O    I have lost interest in other people and don't care about them
P    Everything is going right for me
Q    I can express my feelings and emotions towards other people
R    I'm easy going
S    I seem to be left alone when I don't want to be
T I wish I could change some parts of my life
U I seem to have no real drive to do anything
V The future looks good
W I become very lonely
X I can concentrate well on what I’m doing
Y I feel out of place
Z I think clearly and creatively
AA I feel alone
AB I feel free and easy
AC I smile and laugh a lot
AD I feel things are going my way
AE The world seems a cold and impersonal place
AF I feel I’ve made a mess of things again
AG I feel like hiding away
AH I feel confident about decisions I make
AI I feel depressed for no apparent reason
AJ I feel other people like me
AK I feel like a failure
AL I feel I’m a complete person
AM I’m not sure I’m done the right thing
AN My future looks good
AO I’m making the most out of my life
AP Everything is going right for me
AQ I feel unimportant
AR I feel as though there must be something wrong with me
AS I don’t feel like making the effort to do anything
AT I feel confident in my dealings with the opposite sex
AU I want to hurt those who have hurt me
AV The results I have obtained make my efforts worthwhile

ADJECTIVES
Each of the objectives below describe a FEELING. Mark HOW OFTEN you had that feeling during the past few weeks;
A Confident
B Hopeless
C Pleasant
D Insignificant
E Discontented
F Healthy
G Dejected
H Annoyed
I Down
J Glad
K Glowing
L Relaxed
M Comfortable
N Moody
O Understood
P Blue
Q Miserable
R Joyful
Findings on Happiness & HAPPINESS CAREER

Correlate Code: H 5

S  Tense
T  Insecure
U  Shaky
V  Satisfied
W  Safe
X  Successful
Y  Free
Z  Sad
AA  Good-natured
AB  Impatient
AC  Rejected
AD  Lively
AE  Frustrated
AF  Fearful
AG  Lonely
AH  Warm
AI  Contented
AJ  Good
AK  Secure
AL  Disappointed
AM  Understanding
AN  Depressed
AO  Low
AP  Calm
AQ  Unhappy
AR  Upset
AS  Empty
AT  Enthusiastic
AU  Happy
AV  Vibrant

Answer options:
0  not at all
1  occasionally
2  some of the time
3  often
4  all of the time

Summation:
- Positive Affect Score (PAS): mean positive items
- Negative Affect Score (NAS): mean negative items
- Affect Balance Score (ABS): PAS minus NAS
Possible range -4 to +4

A-CA/mh/ri/?/0/a
Interviewer rating

Interviewer rating of happiness, using flexible standards relative to the age of the subject.

Full instructions not reported.

A-CA/mh/ri/v/2/a
Interviewer-rating of cheerful appearance on 8 aspects
A The look is
2) open
1) evasive
- impossible to say
B The corners of the mouth turn
2) up
1) down
- impossible to say
C The posture is
2) relaxed, at ease
1) rather tense
- impossible to say
D The movements are
2) relaxed, at ease
1) limited, withdrawn
- impossible to say
E The eyes are
2) big, open
1) small, screw up
- impossible to say
F The elbows are kept
2) not close to the body
1) close to the body
- impossible to say
G The lips are more
2) broad, full
1) thin, pend up
- impossible to say
H All in all the subject looks
2) quite cheerfull
1) not very cheerfull
- difficult to say

Scoring: sum of aspect ratings

Name: `Allensbacher Ausdruckstest'

Original text in German:
A Der Blick ist-
2) frei
1) eher ausweichend
- unmöglich zu sagen
B Die Mundwinkel weisen -
2) nach oben
1) nach unten
- unmöglich zu sagen
C Die Haltung ist -
2) locker, gelöst
1) eher steif
- unmöglich zu sagen
D Die Bewegungen sind -
2) locker, gelöst  
1) sparsam, zurückhaltend  
- unmöglich zu sagen  
E Die Augen sind eher -  
2) groß, offen  
1) klein, verengt  
- unmöglich zu sagen  
F Die Ellbogen werden gehalten -  
2) nicht so eng am Körper  
1) eng am Körper  
- unmöglich zu sagen  
G Die Lippen sind eher -  
2) breit, voll  
1) schmal, verpresst  
- unmöglich zu sagen  
H Die Beobachtete sieht insgesamt  
2) ganz frohlich aus  
1) nicht so frohlich aus  
- schwer zu sagen  

A-CP/rc/n/9/a Clinical rating of cheerfullness:  
Based on independent interviews by two psychologists with one week interval.  
Rating cheerfull - glum on 9 step scale (rating scale not reported)  

A-CP/gfi/n/7/a Selfreport in focussed interview:  
Rating of cheerfullness by interviewer on the basis of an extensive interview.  
Rating options:  
7 cheerfull  
6  
5  
4  
3  
2  
1 gloomy  

A-CP/gfi/v/7/a Selfreport in focussed interview  
Rating two independant interviewers.  
A. Psychiatric social worker who interviewed parents at home. Interview focussed on child  
B. Clinical psychologist who interviewed parents separately. Interview focussed on family life.  
Rating options:  
7 extremely cheerfull, animated, jolly  
6  
5  
4 usually good-humored air  
3  
2
1 dejected, melancholic appearance, in the dumps

Summation: average ratings A and B

A-CP/g/rc/?/9/a Clinical rating of cheerfullness.

Rating on the basis of interview-protocols by 2 or 3 independent judges of cheerfulness as personality descriptive variable from most uncharacteristic to most characteristic of the subject.

Rating options: scale rating from 1 to 9 (scale options not reported)

A-CP/mi/tsy/n/7/a Time sampling of happy behaviors

The children were rated during the first 3 years of their lives, after 10, 11, 12, 13, 14, 15, 18, 21, 24, 27, 30 and 36 months of living for 'Emotional tone: unhappy - happy' on a 7-point scale.

Scoring rated on 7-step numerical scale.

Summation:
Later the ratings of 10 - 12, 13 - 15, 18 - 24, and 27 - 36 months were combined.

Rated on 7-step numerical scale.

C-A/h/sq/v/3/a Selfreport on single question:

"How do you feel about what you have accomplished in life...?"
3 well satisfied
2 reasonable satisfied
1 dissatisfied:

C-RG/h/sq/l/11/a Selfreport on single question:

"How would you rate yourself as to how successful or unsuccessful you have been in terms of achieving your own goals and aims in life? Think of the top of the ladder as being completely successful, the bottom being entirely unsuccessfull."
[ 10 ] completely succesfull
[ 9 ]
[ 8 ]
[ 7 ]
[ 6 ]
[ 5 ]
[ 4 ]
[ 3 ]
[ 2 ]
[ 1 ]
[ 0 ] entirely unsuccessfull

C-RG/u/sq/v/7/b Selfreport on single question:

"Some people have certain goals or aspirations for various aspects of their lives. They aim for a particular sort of home, income, family lifestyle, and so on. Compared to your general aims and goals, how would you say that your life measures up to it.....?"
1 not at all
2 fairly
Findings on Happiness & HAPPINESS CAREER

Selfreport on single question:

"Will people of your age get the things they want most in life.....?"
4 I expect to get almost all the things I really want in life
3 I will probably get more of the things I want than not
2 There are several things I want in life but will probably not get
1 I will probably never get most of the things I really want in life

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.

Selfreport on 2 questions:

A "Taking all things together, how would you say things are these days? Would you say you are......?"
1 not too happy
2 pretty happy
3 very happy

B "How often do you feel that you are really enjoying life.....?"
1 rarely
2 now and than
3 fairly often
4 all the time

Summation: factor score

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

M-FH/c/mq/?/7/a Selfreport on 2 questions:
A " ........avowed happiness at this moment of life......"
B " ........avowed happiness over the past month......"
(Full questions not reported)

Response options:
1
2
3
4
5
6
(response labels not reported)

Summation : not reported

M-FH/c/sq/v/7/a Selfreport on single question:
"Taking all things together, how would you say you have been this period? Check
the frase that best describes how you have felt."
7 very happy
6 happy
5 somewhat happy
4 mixed (about equally happy and unhappy)
3 somewhat unhappy
2 unhappy
1 very unhappy

M-FH/cm/sq/v/5/a Selfreport on single question:
"How would you rate the last month of your life. Was it a happy or an unhappy
time for you......?"
5 very happy time
4 fairly happy time
3 happy nor unhappy
2 rather unhappy time
1 very unhappy time

Original text in German:
"Wie wurden Sie den letzten Monat Ihres Lebens einstufen? War das für Sie eine
glückliche oder eine unglückliche Zeit......?"
e sehr glückliche Zeit
d recht glückliche Zeit
c weder glücklich noch unglücklich
b eher unglückliche Zeit
a sehr unglückliche Zeit

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

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.

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

Selfreport on single question:

"Above you see a numbered ladder. Consider the top of the ladder as the best possible life and the bottom of the ladder as the worst possible life. 
A Please place an X where you feel you are now. 
B Place an Y at the point where you were five years ago. 
C Please place a Z at the point that you feel you will be at five years from now."

[ 10  ] best possible life
[  9  ]
[  8  ]
[  7  ]
Question A is the case question.

Name: Cantril's self-anchoring ladder rating of life (modified version)

Self-report on single question:

"Here is a picture of a ladder. At the bottom of the ladder is the worst life you might reasonably expect to have. At the top is the best life you might expect to have. Of course, life from week to week falls somewhere in between. Where was your life most of the time during the past year?"

[ 9 ] best life you might expect to have
[ 8 ]
[ 7 ]
[ 6 ]
[ 5 ]
[ 4 ]
[ 3 ]
[ 2 ]
[ 1 ] worst life you might expect to have

Name: Cantril's self-anchoring ladder rating (modified version)

Self-report on single question:

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

Self-report on single question:

"How do you feel about your life as a whole.....?"
7 delighted
6 pleased
5 mostly satisfied
4 mixed
3 mostly dissatisfied
2 unhappy
Findings on Happiness & HAPPINESS CAREER

---

1 terrible

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

O-DT/u/sq/v/10/a  Selfreport on single question asked twice in interview,

"How do you feel about your life as a whole......?"
10  delightfull
9
8
7
6
5
4
3
2
1  terrible

Summation: mean

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

O-DT/u/sq/v/7/a  Selfreport on single question, asked twice in interview:

"How do you feel about your life as a whole......?"
7  delighted
6  pleased
5  mostly satisfied
4  mixed
3  mostly dissatisfied
2  unhappy
1  terrible

Summation: arithmetic mean

Name: Andrews & Withey's "Delighted-Terrible Scale" (original version)

O-GBB/u/sq/c/9/a  Selfreport on single question:

"Here are some circles that we can imagine represent the lives of different people. Circle eight has all pluses in it, to represent a person who has all the good things in his life. Circle zero has all minuses in it, to represent a person who has all the bad things in his life. Other circles are in between. Which circle do you think comes closest to matching your life?"
(circles not reproduced here)
8  + + + + + + + +
7  + + + + + + + -
6  + + + + + + - -
5  + + + + + - - -
4  + + + + - - - -
3  + + + - - - - -
2  + - - - - - - -
1  - - - - - - - -
0  - - - - - - - -

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 178 of 198
Findings on Happiness & HAPPINESS CAREER

Correlate Code: H 5

Name: Andrews & Withey's 'Circles Scale'

O-H/?/sq/?/0/a Selfreport on single question:

"......happiness....."
(Full text not reported)

O-H/?/sq/n/7/a Selfreport on single question:

Lead item not reported.
Response options:
7 happy
6
5
4
3
2
1 unhappy
(Originally scored on a horizontal scale)

O-H/?/c/sq/v/5/a Selfreport on single question:

Lead item not reported
Response options:
1 unhappy
2 not very happy
3 fairly happy
4 happy
5 very 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/3/cb Selfreport on single question:

"In general, how happy are you these days .....?"
3 very happy
2 pretty happy
1 not too happy

O-HL/c/sq/v/4/b Selfreport on single question:

" Is your life at this moment ....?"
4 very happy
3 fairly happy
2 fairly unhappy
1 very unhappy

In German:
"Ist Ihr Leben im Augenblick....?"
Findings on Happiness & HAPPINESS CAREER

O-HL/c/sq/v/5/e
Selfreport on single question:

"How happy do you feel as you live now? Please choose one item on this card that comes closest to your feeling.
5  very happy
4  fairly happy
3  neither happy nor unhappy
2  fairly unhappy
1  very unhappy

O-HL/c/sq/v/5/h
Selfreport on single question

'How happy are you now?'
5  very happy
4  happy
3  neither happy nor unhappy
2  unhappy
1  very unhappy

Original text in Danish:
'Hvor lykkelig er du for tiden?'
5  meget lykkelig
4  lykkelig
3  hverken eller
2  ullykklig
1  meget ullykkelig

O-HL/g/sq/v/3/c
Selfreport on single question:

"In general, how happy would you say you are.....?"
3  very happy
2  fairly happy
1  not too happy

O-HL/u/sq/v/3/a
Selfreport on single question:

"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

O-HL/u/sq/v/3/c
Selfreport on single question:

"Would you say:......?"
1  You are unhappy?
2  You are reasonably happy?
3  You are happy?

O-HL/u/sq/v/4/a
Selfreport on single question:
"Taking all things together, would you say you are.....?"
4 very happy
3 quite happy
2 not very happy
1 not at all happy.

Selfreport on single question:
"Considering your life as a whole, would you describe it as.....?:"
1 very happy
2
3 unhappy
4 an even mixture of unhappiness and happiness
5
6 happy
7 very happy
no opinion

Selfreport on single question:
"How do you feel how happy you are.....?"
7 delighted
6 pleased
5 mostly satisfied
4 mixed (about equally satisfied and dissatisfied)
3 mostly
2 unhappy
1 terrible

Selfreport on 6 questions:
" Describe the kind of person you are. Please read each sentence, then mark how often it is true for you"
1 I feel like smiling
2 I generally feel in good spirits
3 I feel happy
4 I am very satisfied with life
5 I find a good deal of happiness in life
6 I feel sad

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

Summation: average
Possible range: 1 to 5

Selfreport on single question:
"When you take everything into consideration, your child, your adult life, etc, how
would you describe your current life situation.....?'
1  things are very bad right now
2
3
4
5  things are very good
(Response options not fully reported)

O-SLC/g/fi/v/7/b Selfreport in focussed interview

Two independent interviews. Each interviewer rated 'satisfaction with lot' on the same scale.
1  tremendously satisfied
2
3
4  average
5
6
7  extremely dissatisfied

O-SLL/g/sq/v/4/a Selfreport on single question:

"In general, how satisfied are you with your way of life.......?"
4  quite satisfied
3  fairly satisfied
2  sometimes dissatisfied
1  usually dissatisfied

O-SLu/c/sq/l/11/a Selfreport on single question:

"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?"

[ 10 ]  entirely satisfied
[ 9 ]
[ 8 ]
[ 7 ]
[ 6 ]
[ 5 ]
[ 4 ]
[ 3 ]
[ 2 ]
[ 1 ]
[ 0 ]  entirely dissatisfied

Name Cantril ladder rating (modified version)

O-SLu/c/sq/n/7/a Selfreport on single question:

"Overall, how satisfied are you with your life as it is at this time.....?"
1  completely dissatisfied
2

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 182 of 198
Findings on Happiness & HAPPINESS CAREER

O-SLc/sq/v5/a Selfreport on single question:

"Overall, how satisfied are you with your present life......?"
Please choose from this card that is closest to your feeling.
5 very satisfied
4 fairly satisfied
3 neither satisfied nor dissatisfied
2 fairly dissatisfied
1 very dissatisfied

O-SLc/sq/v5/e Selfreport on single question:

'How satisfied are you with your life now?'
5 very satisfied
4 satisfied
3 neither satisfied nor dissatisfied
2 dissatisfied
1 very dissatisfied

Original text in Danish:
'Hvor tilfreds er du med dit liv for tiden?'
5 meget tilfreds
4 tilfreds
3 hverken tilfreds eller utilfreds
2 utilfreds
1 meget utilfreds

O-SLW/c/sq/l11/b Selfreport on single question:

"How dissatisfied would you say you are with things in general today?"
Rated on ladder scale
[ 10 ] completely satisfied
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[    ]
[  0  ] completely dissatisfied

O-SLW/c/sq/n10/aa Selfreport on single question:

"All things considered, how satisfied are you with your life as-a-whole now.....?"
1 dissatisfied
2
3

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness Page 183 of 198
"What do you think, how satisfied are you at this moment- all in all - with your life ?' 'If for instance you are totally satisfied with your life, please mark a '10'. If you are totally unsatisfied with your life, mark a '0'. If you are not completely unsatisfied nor totally satisfied range yourself somewhere between '1' and '9'

10 completely satisfied
9
8
7
6
5
4
3
2
1
0 completely dissatisfied

Original text in German:
"Was meinen Sie, wie zufrieden sind Sie gegenwärtig - alles in allem - heute mit Ihrem Leben ? Wenn Sie zum Beispiel mit Ihrem Leben heute ganz und gar zufrieden sind, geben Sie bitte die '10' an. Wenn Sie mit Ihrem Leben heute ganz und gar unzufrieden sind, geben Sie '0' an. Wenn Sie weder ganz und gar zufrieden noch ganz und gar unzufrieden sind, dann ordnen Sie sich irgendwo zwischen '1' und '9' ein.

Selfreport on single question:
"Taking everything into consideration, how satisfied are you with life in general at the present time? Would you say you are.....?"
5 extremely satisfied
4 very satisfied
3 fairly satisfied
2 slightly satisfied
1 not satisfied"

Selfreport on single question, asked twice during the interview:
"Are you at this moment satisfied or dissatisfied with life in general......?"
7 very satisfied
6 for the greater part satisfied
5 rather more satisfied than dissatisfied
4 neither satisfied nor dissatisfied
3 somewhat more dissatisfied than satisfied
2 for the greater part dissatisfied
1 very dissatisfied
- Do not know, difficult to say

In Swedish:
"Ar du pa det hela taget nojd eller missnojd met livet i des helnet just nu?"

Selfreport on single question:

"Which face comes closest to expressing how you feel about your life as a whole?"

Rated on pictorial scale, consisting of seven faces varying from smiles to frowns.
7 smiling cheerful face
6
5
4 neutral face
3
2
1 frowning depressed face
(Pictures not reproduced here)

Selfreport on single question:

"How do you feel about your life as a whole?"
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'

[ 7 ] Good, picture of smiling face
[ 6 ]
[ 5 ]
[ 4 ]
[ 3 ]
[ 2 ]
[ 1 ] Bad, picture of frowning face
(Pictures not reproduced here)

Selfreport on single question:

"Taking all together, how satisfied are you with your life as a whole.....?"
5 very satisfied
4
3
2
1 not at all satisfied

Numbers presented in reversed order (very satisfied '1', not at all satisfied '5')

In German:
"Wiezufrieden sind Sie, alles im allem gesehen, mit Ihrem Leben insgesamt....?"
5 sehr zufrieden
2
3
2
1 gar nicht zufrieden

Selfreport on single question:
"How satisfying are these different aspects of your life? Indicate the number which best suits your situation. Life as a whole is....."

1  very dissatisfying
2  dissatisfying
3  rather dissatisfying
4  rather satisfying
5  satisfying
6  very satisfying

This item was followed by eight questions on life domain satisfactions.

O-Sum/g/rc/v/7/a Clinical rating.

Ratings by four judges on the basis of notes from observations and interviews between age 12-18.

Ratings were made on the following dimensions:
A. discontented
B. unhappy
C. dissatisfied
D. complaints

Rating options:
1  not at all true
2
3
4  average
5
6
7
8  extremely true

Summation: not reported

O-Sum/u/mq"/0/a Selfreport on 3 questions:


B. Overall happiness. Single direct question: "Taking all things together, how would you say things are these days? Would you say you are .......?"
3  very happy
2  pretty happy
1  not too happy

C. Present-year score on Life-Evaluation Chart, ranging from:
1  low
2
3
4
5
6
7
On the web you will find an overview of valid queries on happiness and an explanation of the classification used. Go to: www.eur.nl/fsw/research/happiness/hap_quer/hqi_fp.htm. This is the introductory text to the Catalog of Happiness Queries.
## Appendix 2  Statistics used in reported studies

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Explanation</th>
</tr>
</thead>
</table>
| AoV    | 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 Ne -1 for the total variability. If a sum of squares (SS) is divided by its own number of df, a mean square (MS) is obtained. The ratio of two correctly selected mean squares has an F-distribution under the hypothesis that the corresponding association has a zero-value.  
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) |
| Beta   | (8) STANDARDIZED REGRESSION COEFFICIENT  
Type: test statistic.  
Measurement level: Correlates: all metric, Happiness: metric.  
Range: [-1 ; +1]  
Meaning:  
\[ \beta > 0 \] « a higher correlate level corresponds with, on an average, higher happiness rating.  
\[ \beta < 0 \] « a higher correlate level corresponds with, on an average, lower happiness rating.  
\[ \beta = 0 \] « no correlation.  
\[ \beta = \pm 1 \] or \[ \beta = -1 \] « perfect correlation. |
| Chi²   | CHI-SQUARE  
Type: test statistic  
Range: \[ 0; Ne*(\text{min}(c,r)-1) \], where c and r are the number of columns and rows respectively in a cross tabulation of Ne sample elements.  
Meaning:  
\[ \chi^2 \leq (c-1)*(r-1) \] means: no association  
\[ \chi^2 > (c-1)*(r-1) \] means: strong 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. |
| DM     | DIFFERENCE of MEANS |
Findings on Happiness & HAPPINESS CAREER  
Correlate Code: H 5

Type: descriptive statistic only.
Measurement level: Correlate: dichotomous, Happiness: metric
Range: depending on the happiness rating scale of the author; range symmetric about zero.

Meaning: the difference of the mean happiness, as measured on the author’s rating scale, between the two correlate levels.

DMa DIFFERENCE IN ADJUSTED MEANS, See also Ma
Computed in Analysis of Covariance (ANCOVA) or in multiple classification analysis (MCA)
Seldom used in happiness research. See excerpted report for further reference.

DMr DIFFERENCE IN MEAN RIDITS
Type: test statistic
Measurement level: Happiness ordinal
Range: [0; +1]

Meaning:
Mr < .50: average happiness in this subgroup lower than in the larger population
Mr = .50: average happiness in this subgroup the same as in the larger population
Mr > .50: average happiness in this subgroup higher than in the larger population

‘Ridit analysis’ compares the distribution of happiness scores in subgroups to its distribution in the entire sample (“Relative to an Identified Distribution”)

Testing for significance can be performed through a “BROSS Confidence Interval” (BCI). If all values the BCI for a subgroup are above/below 0.500, the subgroup is significantly more/less happy than the larger population.

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.

E² CORRELATION RATIO (Elsewhere sometimes called h² or ETA)
Type: test statistic
Measurement level: Correlate: nominal or ordinal, Happiness: metric
Range: [0; 1]

Meaning: correlate is accountable for E² x 100 % of the variation in happiness.
E² = 0 « knowledge of the correlate value does not improve the prediction quality of the happiness rating.
E² = 1 « knowledge of the correlate value enables an exact prediction of the happiness rating.

G GOODMAN & Kruskal’s GAMMA
Type: test statistic
Measurement level: Correlate: ordinal, Happiness!: ordinal
Range: [-1; +1]

Meaning:
G = 0 « no rank correlation

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 189 of 198
G = +1 « strongest possible rank correlation, where high correlate values correspond with high happiness ratings.
G = -1 « strongest possible rank correlation, where high correlate values correspond with low happiness ratings.

mr  Mean correlation coefficient (r).
For r, see PRODUCT-MOMENT CORRELATION

r  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.

rpc  PARTIAL CORRELATION COEFFICIENT
Type: test statistic
Measurement level: Correlate: metric, Happiness: metric
Range: [-1; +1]

Meaning: a partial correlation between happiness and one of the correlates is that correlation, which remains after accounting for the contribution of the other influences, or some of them, to the total variability in the happiness scores. Under that conditions
rpc > 0 « a higher correlate level corresponds with a higher happiness rating,
rpc < 0 « a higher correlate level corresponds with a lower happiness rating,

rs  SPEARMAN’S RANK CORRELATION COEFFICIENT
Type: test statistic
Measurement level: Correlate: ordinal, Happiness: ordinal.
Range: [-1; +1]

Meaning:
rs = 0 « no rank correlation
rs = 1 « perfect rank correlation, where high correlate values are associated with high happiness ratings
rs = -1 « perfect rank correlation, where high correlate values are associated with low happiness ratings

SNR  Statistic Not Reported

βL  PATH COEFFICIENT OBTAINED IN A LISREL MODEL.
Range: unlimited, but seldom exceeds [-1, +1].

In the Catalogue of Correlational Findings, this statistic or statistical procedure occurs very rarely only.
The reader is referred to the excerpted publication for detailed information or for further reference.

tb  KENDALL’S RANK CORRELATION COEFFICIENT TAU-B
Type: test statistic
Findings on Happiness & HAPPINESS CAREER

Correlate Code: H 5

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.

W
WILCOXON's SIGNED RANK TEST.
Type: test statistic
Seldom used in happiness research. See excerpted report for further reference.

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:

```
Literature on happiness
Selection        on subject

Bibliography (1)
Directory (2)
Selection of Empirical studies        Selection on valid measurement

Happiness Queries (3)
Testbank
Abstracting        and classification        of findings

Distributional Findings
How happy people are
- Happiness in Nations (4)
- Happiness in Publics (6)

Correlational Findings
What goes with happiness
```

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.

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

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

World Database of Happiness: www.eur.nl/fsw/research/happiness
<table>
<thead>
<tr>
<th>Code</th>
<th>Category</th>
<th>Correlate Code: H 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>H 3</td>
<td>HAPPINESS: ATTITUDES</td>
<td>39</td>
</tr>
<tr>
<td>H 5</td>
<td>HAPPINESS CAREER</td>
<td>144</td>
</tr>
<tr>
<td>H 6</td>
<td>HAPPINESS: CURRENT LEVEL</td>
<td>260</td>
</tr>
<tr>
<td>H 8</td>
<td>HEALTH-BEHAVIOR</td>
<td>15</td>
</tr>
<tr>
<td>H 9</td>
<td>HELPING</td>
<td>4</td>
</tr>
<tr>
<td>I 1</td>
<td>INCOME</td>
<td>415</td>
</tr>
<tr>
<td>I 2</td>
<td>INSTITUTIONAL LIVING</td>
<td>28</td>
</tr>
<tr>
<td>I 3</td>
<td>INTELLIGENCE</td>
<td>63</td>
</tr>
<tr>
<td>I 4</td>
<td>INTERESTS</td>
<td>5</td>
</tr>
<tr>
<td>I 5</td>
<td>INTERVIEW</td>
<td>49</td>
</tr>
<tr>
<td>I 6</td>
<td>INTIMACY</td>
<td>70</td>
</tr>
<tr>
<td>L 1</td>
<td>LANGUAGE</td>
<td>1</td>
</tr>
<tr>
<td>L 10</td>
<td>LOCAL ENVIRONMENT</td>
<td>270</td>
</tr>
<tr>
<td>L 11</td>
<td>LOTTERY</td>
<td>7</td>
</tr>
<tr>
<td>L 12</td>
<td>LOVE-LIFE</td>
<td>26</td>
</tr>
<tr>
<td>L 2</td>
<td>LEADERSHIP</td>
<td>8</td>
</tr>
<tr>
<td>L 3</td>
<td>LEISURE</td>
<td>128</td>
</tr>
<tr>
<td>L 4</td>
<td>LIFE APPRAISALS: OTHER THAN HAPPINESS4</td>
<td>290</td>
</tr>
<tr>
<td>L 5</td>
<td>LIFE-CHANGE</td>
<td>26</td>
</tr>
<tr>
<td>L 6</td>
<td>LIFE-EVENTS</td>
<td>63</td>
</tr>
<tr>
<td>L 7</td>
<td>LIFE-GOALS</td>
<td>52</td>
</tr>
<tr>
<td>L 8</td>
<td>LIFE HISTORY</td>
<td>1</td>
</tr>
<tr>
<td>L 9</td>
<td>LIFE STYLE</td>
<td>4</td>
</tr>
<tr>
<td>M 1</td>
<td>MARRIAGE: MARITAL STATUS CAREER</td>
<td>32</td>
</tr>
<tr>
<td>M 10</td>
<td>MIGRATION: MIGRANT WORK</td>
<td>3</td>
</tr>
<tr>
<td>M 11</td>
<td>MILITARY LIFE</td>
<td>5</td>
</tr>
<tr>
<td>M 12</td>
<td>MODERNITY</td>
<td>5</td>
</tr>
<tr>
<td>M 13</td>
<td>MOOD</td>
<td>181</td>
</tr>
<tr>
<td>M 2</td>
<td>MARRIAGE: CURRENT MARITAL STATUS</td>
<td>315</td>
</tr>
<tr>
<td>M 3</td>
<td>MARRIAGE: RELATIONSHIP</td>
<td>99</td>
</tr>
<tr>
<td>M 4</td>
<td>MARRIAGE: PARTNER</td>
<td>34</td>
</tr>
<tr>
<td>M 5</td>
<td>MEANING</td>
<td>18</td>
</tr>
<tr>
<td>M 6</td>
<td>MEDICAL TREATMENT</td>
<td>49</td>
</tr>
<tr>
<td>M 7</td>
<td>MENTAL HEALTH</td>
<td>99</td>
</tr>
<tr>
<td>M 8</td>
<td>MIGRATION: OTHER COUNTRY</td>
<td>9</td>
</tr>
<tr>
<td>M 9</td>
<td>MIGRATION: MOVING WITHIN COUNTRY (residential mobility)</td>
<td>17</td>
</tr>
<tr>
<td>N 1</td>
<td>NATIONALITY</td>
<td>5</td>
</tr>
<tr>
<td>N 2</td>
<td>NATION: TIME &amp; PLACE</td>
<td>20</td>
</tr>
<tr>
<td>N 3</td>
<td>NATIONAL CHARACTER (modal personality)</td>
<td>2</td>
</tr>
<tr>
<td>N 4</td>
<td>NATION'S CONDITION</td>
<td>52</td>
</tr>
<tr>
<td>N 6</td>
<td>ATTITUDES TO THE NATION</td>
<td>111</td>
</tr>
<tr>
<td>N 7</td>
<td>LIVABILITY OF THE NATION</td>
<td>5</td>
</tr>
<tr>
<td>N 8</td>
<td>NUTRITION</td>
<td>18</td>
</tr>
<tr>
<td>O 1</td>
<td>OCCUPATION</td>
<td>133</td>
</tr>
<tr>
<td>Category</td>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>------</td>
<td>-------------</td>
</tr>
<tr>
<td>O 2</td>
<td>ORGAN TRANSPLANTATION</td>
<td>11</td>
</tr>
<tr>
<td>P 1</td>
<td>PERSONALITY: HISTORY</td>
<td>44</td>
</tr>
<tr>
<td>P 10</td>
<td>POSSESSIONS</td>
<td>26</td>
</tr>
<tr>
<td>P 12</td>
<td>PROBLEMS</td>
<td>20</td>
</tr>
<tr>
<td>P 13</td>
<td>PSYCHO-SOMATIC COMPLAINTS</td>
<td>53</td>
</tr>
<tr>
<td>P 2</td>
<td>PERSONALITY: CHANGE</td>
<td>7</td>
</tr>
<tr>
<td>P 3</td>
<td>PERSONALITY: CURRENT ORGANIZATION</td>
<td>7</td>
</tr>
<tr>
<td>P 4</td>
<td>PERSONALITY: CURRENT TRAITS</td>
<td>392</td>
</tr>
<tr>
<td>P 5</td>
<td>PERSONALITY: LATER</td>
<td>23</td>
</tr>
<tr>
<td>P 6</td>
<td>PHYSICAL HEALTH</td>
<td>286</td>
</tr>
<tr>
<td>P 7</td>
<td>PLANNING</td>
<td>7</td>
</tr>
<tr>
<td>P 8</td>
<td>POLITICS</td>
<td>197</td>
</tr>
<tr>
<td>P 9</td>
<td>POPULARITY</td>
<td>22</td>
</tr>
<tr>
<td>R 1</td>
<td>RELIGION</td>
<td>198</td>
</tr>
<tr>
<td>R 2</td>
<td>RESOURCES</td>
<td>8</td>
</tr>
<tr>
<td>R 3</td>
<td>RETIREMENT</td>
<td>46</td>
</tr>
<tr>
<td>R 4</td>
<td>ROLES</td>
<td>13</td>
</tr>
<tr>
<td>S 1</td>
<td>SCHOOL</td>
<td>92</td>
</tr>
<tr>
<td>S 10</td>
<td>SOCIAL SUPPORT: RECEIVED</td>
<td>26</td>
</tr>
<tr>
<td>S 11</td>
<td>SOCIAL SUPPORT: Provided</td>
<td>3</td>
</tr>
<tr>
<td>S 12</td>
<td>SPORTS</td>
<td>32</td>
</tr>
<tr>
<td>S 13</td>
<td>STIMULANTS</td>
<td>33</td>
</tr>
<tr>
<td>S 14</td>
<td>SUICIDE</td>
<td>4</td>
</tr>
<tr>
<td>S 15</td>
<td>SUMMED EFFECTS ON HAPPINESS</td>
<td>71</td>
</tr>
<tr>
<td>S 2</td>
<td>SELF-IMAGE</td>
<td>193</td>
</tr>
<tr>
<td>S 3</td>
<td>SEX-LIFE</td>
<td>54</td>
</tr>
<tr>
<td>S 4</td>
<td>SLEEP</td>
<td>10</td>
</tr>
<tr>
<td>S 5</td>
<td>SOCIAL MOBILITY</td>
<td>16</td>
</tr>
<tr>
<td>S 6</td>
<td>SOCIAL PARTICIPATION: PERSONAL CONTACTS</td>
<td>50</td>
</tr>
<tr>
<td>S 7</td>
<td>SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS</td>
<td>111</td>
</tr>
<tr>
<td>S 8</td>
<td>SOCIAL PARTICIPATION: TOTAL (personal + associations)</td>
<td>25</td>
</tr>
<tr>
<td>S 9</td>
<td>SOCIAL STATUS (Socio-Economic Status)</td>
<td>140</td>
</tr>
<tr>
<td>T 1</td>
<td>TIME</td>
<td>27</td>
</tr>
<tr>
<td>T 2</td>
<td>THERAPY</td>
<td>9</td>
</tr>
<tr>
<td>T 3</td>
<td>TOLERANCE</td>
<td>37</td>
</tr>
<tr>
<td>V 1</td>
<td>VALUE CAREER</td>
<td>8</td>
</tr>
<tr>
<td>V 2</td>
<td>VALUES: CURRENT PREFERENCES (own)</td>
<td>49</td>
</tr>
<tr>
<td>V 3</td>
<td>VALUES: CLIMATE (current values in environment)</td>
<td>4</td>
</tr>
<tr>
<td>V 4</td>
<td>VALUES: SIMILARITY (current fit with others)</td>
<td>5</td>
</tr>
<tr>
<td>V 5</td>
<td>VICTIM</td>
<td>11</td>
</tr>
<tr>
<td>W 1</td>
<td>WAR</td>
<td>5</td>
</tr>
<tr>
<td>W 2</td>
<td>WORK CAREER</td>
<td>1</td>
</tr>
<tr>
<td>W 3</td>
<td>WORK CONDITIONS</td>
<td>34</td>
</tr>
<tr>
<td>W 4</td>
<td>WORK-ATTITUDES</td>
<td>313</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>Value</td>
</tr>
<tr>
<td>------</td>
<td>----------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>W 5</td>
<td>WORK-PERFORMANCE (current)</td>
<td>6</td>
</tr>
<tr>
<td>W 6</td>
<td>WORRIES</td>
<td>27</td>
</tr>
<tr>
<td>X</td>
<td>UNCLASSIFIED</td>
<td>22</td>
</tr>
</tbody>
</table>
## Appendix 5  Related Topics

<table>
<thead>
<tr>
<th>This Topic</th>
<th>Related Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>H 5</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1.1</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1.1.1</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1.1.2</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1.1.3</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1.1.4</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1.2</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1.2.1</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1.2.2</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1.2.3</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1.3</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1.3.1</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1.3.2</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1.3.3</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1.4</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1.4.1</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1.4.2</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.1.4.3</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.2</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.2.1</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.2.1.1</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.2.1.2</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.2.1.3</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.2.2</td>
<td>L 8</td>
</tr>
<tr>
<td>H 5.2.2.1</td>
<td>L 8</td>
</tr>
</tbody>
</table>

Correlate Code: H 5
H 5.3 Attitudes to happiness career

End of Report