# Classification of Findings

<table>
<thead>
<tr>
<th>Subject Code</th>
<th>Description</th>
<th>Nr of Studies on this Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>F6</td>
<td>FRIENDSHIP</td>
<td>0</td>
</tr>
<tr>
<td>F6.1</td>
<td>Friendship career</td>
<td>0</td>
</tr>
<tr>
<td>F6.1.1</td>
<td>Earlier friendships</td>
<td>1</td>
</tr>
<tr>
<td>F6.1.2</td>
<td>Change in friendships</td>
<td>2</td>
</tr>
<tr>
<td>F6.1.3</td>
<td>History of current friendships</td>
<td>1</td>
</tr>
<tr>
<td>F6.1.4</td>
<td>Later friendships</td>
<td>1</td>
</tr>
<tr>
<td>F6.2</td>
<td>Current number of friends</td>
<td>8</td>
</tr>
<tr>
<td>F6.2.1</td>
<td>Number of close friends</td>
<td>12</td>
</tr>
<tr>
<td>F6.2.2</td>
<td>Number of friends/acquaintances</td>
<td>1</td>
</tr>
<tr>
<td>F6.3</td>
<td>Current contacts with friends</td>
<td>30</td>
</tr>
<tr>
<td>F6.3.1</td>
<td>Visits to friends</td>
<td>5</td>
</tr>
<tr>
<td>F6.3.2</td>
<td>Telephone calls with friends</td>
<td>3</td>
</tr>
<tr>
<td>F6.3.3</td>
<td>Attendance of parties</td>
<td>2</td>
</tr>
<tr>
<td>F6.3.5</td>
<td>Intimate discussions</td>
<td>3</td>
</tr>
<tr>
<td>F6.4</td>
<td>Current friendship network</td>
<td>2</td>
</tr>
<tr>
<td>F6.4.1</td>
<td>Friends in community</td>
<td>0</td>
</tr>
<tr>
<td>F6.4.2</td>
<td>Friends are friends</td>
<td>1</td>
</tr>
<tr>
<td>F6.4.3</td>
<td>Married friends</td>
<td>1</td>
</tr>
<tr>
<td>F6.5</td>
<td>Current characteristics of friends</td>
<td>0</td>
</tr>
<tr>
<td>F6.5.1</td>
<td>Happiness of friends</td>
<td>0</td>
</tr>
<tr>
<td>F6.5.2</td>
<td>Similarity with friends</td>
<td>0</td>
</tr>
<tr>
<td>F6.6</td>
<td>Attitudes to friendship</td>
<td>2</td>
</tr>
</tbody>
</table>
## Findings on Happiness and FRIENDSHIP

<table>
<thead>
<tr>
<th>Appendix</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F6.6.1</td>
<td>Concern about friends</td>
</tr>
<tr>
<td>F6.6.2</td>
<td>Satisfactions with friends</td>
</tr>
</tbody>
</table>

### Appendices

- **Appendix 1**: Happiness Items 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 Subjects

### Cite as

Veenhoven, R.: Findings on FRIENDSHIP  
World Database of Happiness, Correlational Findings  
Internet: worlddatabaseofhappiness.eur.nl  
Erasmus University Rotterdam, 2009, Netherlands
Correlational finding on Happiness and Earlier friendships
Subject code: F6.1.1

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, 27 - 41
Page in Report: 35/36

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

Correlate

Authors label: Number of emotionally close friends (1)
Our classification: Earlier friendships, code F6.1.1
Measurement: Ss were first asked to list the persons they consider as friends. Next they indicated which of these are emotionally close.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>r=+.17</td>
<td>Synchronic correlation at T1. ns</td>
</tr>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>r=+.38</td>
<td>Synchronic correlation at T2. The correlation has increased between T1 and T2 (difference in r .21). p&lt;.05</td>
</tr>
</tbody>
</table>
Findings on Happiness and FRIENDSHIP

Diachronic correlation: T1 emotionally close friends by T2 happiness, controlled for T1 happiness.
Rpc indicates the effect of earlier emotionally close friends on later CHANGE IN HAPPINESS.

Diachronic correlation: T1 happiness by T2 emotionally close friends, controlled for T1 emotionally close friends.
Rpc indicates the EFFECT OF EARLIER HAPPINESS on later change of emotionally close friends.

The effect of emotionally close friends on happiness appears somewhat smaller than the effect of happiness on emotionally close friends (difference in rpc .08).

Correlational finding on Happiness and Change in friendships
Subject code: F6.1.2

Study HEADE 1982/2

Reported in: Headey, B.; Holström, E.; Wearing, A.J. 
Australians' Priorities Satisfactions and Well-being: Methodological Issues. Monograph in Public Policy Studies, nr.8, University of Melbourne, 1982, Australia

Population: Adults, general public, Melbourne, Australia, followed 25 months 1978-81

Sample: Probability sample (unspecified)

Non-Response: 0

N: 184

Correlate

Authors label: Change in satisfaction with friends

Our classification: Change in friendships, code F6.1.2
Findings on Happiness and FRIENDSHIP

**Measurement:** Index of 4 single questions on satisfaction with:

a: The people you see socially
b: Your friends
c: The friends of opposite sex you have
d: How much you are accepted and included by others

All scored on a 1-9 D-T rating scale, summation by average.

**Remarks:** Both Happiness (ABS) and satisfaction with friends were assessed at T1 and T2 (25 month interval)

---

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Beta= +.20 p&lt;.020</td>
<td>T1-T2 CHANGE in happiness by T1-T2 CHANGE in satisfaction with friends</td>
</tr>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Beta= +.06 ns</td>
<td>T1-T2 CHANGE in happiness by T1-T2 CHANGE in satisfaction with friends Beta controlled for satisfaction with - sex life - health - house - standard of living - self-fulfillment - leisure</td>
</tr>
</tbody>
</table>

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Correlational finding on Happiness and Change in friendships

**Subject code: F6.1.2**

**Study**

POWDT 2007


**Population:** 16-65 aged, followed 6 years, Great-Britain, 1997-2003

---

Sample: Probability stratified sample
Non-Response: n.a.
N: 54424

Correlate

Authors label: Change in Meeting friends and relatives
Our classification: Change in friendships, code F6.1.2
Measurement: T1-T2 change in self-report on single question:
How often do you meet friends or relatives who are not living with you, whether here at your home or elsewhere?
1 never or less often than once a month
2 once or twice a month
3 once or twice a week
4 on most days
Change in social network from T1 to T2
a Remain the same
b Increased in frequency
c Reduced in frequency

Measured Values: Range= a-d:1-4 M=3.31 SD(within)=0.54 Frequencies in %: All Men Women Age<=30 Age>30 1: 2 3 2 1 3 2: 11 12 9 6 13 3: 40 42 39 31 44 4: 47 43 50 62 40

Remarks: Due to a small number of respondents Less often than once a month is considered as Never
T1=average 1997-2000, T2=2002

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>

### Findings on Happiness and FRIENDSHIP

#### NO CHANGE IN MEETINGS

<table>
<thead>
<tr>
<th>Average change in happiness</th>
<th>SD</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 to 1: -.02</td>
<td>1.43</td>
<td>346</td>
</tr>
<tr>
<td>2 to 2: -.03</td>
<td>1.15</td>
<td>1.565</td>
</tr>
<tr>
<td>3 to 3: -.03</td>
<td>1.14</td>
<td>10.153</td>
</tr>
<tr>
<td>4 to 4: -.04</td>
<td>1.25</td>
<td>13.248</td>
</tr>
</tbody>
</table>

#### INCREASE IN MEETINGS

<table>
<thead>
<tr>
<th>Average change in happiness</th>
<th>SD</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 to 2: +.03</td>
<td>1.35</td>
<td>316</td>
</tr>
<tr>
<td>1 to 3: +.06</td>
<td>1.34</td>
<td>326</td>
</tr>
<tr>
<td>1 to 4: +.01</td>
<td>1.50</td>
<td>234</td>
</tr>
<tr>
<td>2 to 3: -.03</td>
<td>1.21</td>
<td>1.739</td>
</tr>
<tr>
<td>2 to 4: +.01</td>
<td>1.26</td>
<td>894</td>
</tr>
<tr>
<td>3 to 4: +.00</td>
<td>1.20</td>
<td>5374</td>
</tr>
</tbody>
</table>

#### DECREASE IN MEETINGS

<table>
<thead>
<tr>
<th>Average change in happiness</th>
<th>SD</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 to 1: -.05</td>
<td>1.30</td>
<td>322</td>
</tr>
<tr>
<td>3 to 1: -.11</td>
<td>1.43</td>
<td>332</td>
</tr>
<tr>
<td>3 to 2: -.05</td>
<td>1.16</td>
<td>2.008</td>
</tr>
<tr>
<td>4 to 1: -.26</td>
<td>1.33</td>
<td>246</td>
</tr>
<tr>
<td>4 to 2: -.05</td>
<td>1.29</td>
<td>949</td>
</tr>
<tr>
<td>4 to 3: -.04</td>
<td>1.21</td>
<td>5.675</td>
</tr>
</tbody>
</table>

**O-SLW/sq/n/7/e**

- **DM=-**
- **B=+.12**
- **p<.01**

2 once or twice a month (vs. 1)

- **DM=+**
- **B=+.14**
- **p<.01**

3 once or twice a week (vs. 1)
Findings on Happiness and FRIENDSHIP

B\(^{\text{2}}\) = .17, p < .01

4 on most days (vs. 1)

B's are estimated by means of fixed effects estimators instead of OLS.

B's controlled for:
- frequency of talking to neighbours
- gender
- age
- real household income
- marital status
- employment status
- look after home
- health status
- education level
- household size
- home ownership
- days spent in hospital
- number of children

Additional control variables about quality of accommodation and neighbourhood do not make a difference:
- shortage of space
- noise from neighbours
- street noise
- not enough lights
- lack of adequate heating
- condensation
- leaky roof
- damp wall, floors, etc.
- rot windows, floors, etc
- pollution/environmental problems
- vandalism or crime
- average district income

Fixed effect estimators differ significantly from OLS estimators denoting a positive inborn personality bias on the observed relationship between frequency of social contacts, income and life satisfaction.

Correlational finding on Happiness and History of current friendships

Subject code: F6.1.3
### Findings on Happiness and FRIENDSHIP

<table>
<thead>
<tr>
<th>Study</th>
<th>AUSTR 1984/2</th>
</tr>
</thead>
</table>
| *Reported in:* | Austrom, D.R.  
The Consequences of Being Single.  
Peter Lang Publisher, 1984, New York, USA ISBN 0 8204 0095 5  
Page in Report: 217 |
| *Population:* | 23-59 aged English speaking, Toronto and Ontario, Canada, 198? |
| *Sample:* | Non-Response: 45%  
N: 1038 |

#### Correlate

<table>
<thead>
<tr>
<th>Authors label</th>
<th>Durability of confident relationship (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Our classification:</em></td>
<td>History of current friendships, code F6.1.3</td>
</tr>
<tr>
<td><em>Measurement:</em></td>
<td>Single open-ended question. The respondents were asked how many years they knew one friend in particular that they confided in.</td>
</tr>
</tbody>
</table>

#### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/n/11/a</td>
<td>r=+.02</td>
<td>ns</td>
</tr>
</tbody>
</table>

**Correlational finding on Happiness and Later friendships**  
**Subject code: F6.1.4**

<table>
<thead>
<tr>
<th>Study</th>
<th>ADAMS 1988</th>
</tr>
</thead>
</table>
| *Reported in:* | Adams, R.G.  
Which Comes First: Poor Psychological Well-Being or Decreased Friendship Activity?  
Activities, Adaptation and Aging, 1988, Vol. 12, 27 - 41  
Page in Report: 35/36 |
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

Correlate

Authors label: Number of emotionally close friends (2)
Our classification: Later friendships, code F6.1.4
Measurement: Ss were first asked to list the persons they consider as friends. Next they indicated which of these are emotionally close.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>r=+.17 ns</td>
<td>Synchronic correlation at T1.</td>
</tr>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>r=+.38 p&lt;.05</td>
<td>Synchronic correlation at T2. The correlation has increased between T1 and T2 (difference in r .21).</td>
</tr>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>rpc=+.12 ns</td>
<td>Diachronic correlation: T1 emotionally close friends by T2 happiness, controlled for T1 happiness. Rpc indicates the effect of earlier emotionally close friends on later CHANGE IN HAPPINESS.</td>
</tr>
</tbody>
</table>
Diachronic correlation: T1 happiness by T2 emotionally close friends, controlled for T1 emotionally close friends. Rpc indicates the EFFECT OF EARLIER HAPPINESS on later change of emotionally close friends.

The effect of emotionally close friends on happiness appears somewhat smaller than the effect of happiness on emotionally close friends (difference in rpc .08).

**Correlational finding on Happiness and Current number of friends**

**Subject code:** F6.2

**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, 27 - 41
Page in Report: 35/36

*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

**Correlate**

*Authors label:* Number of friends (1)

*Our classification:* Current number of friends, code F6.2

*Measurement:* Ss were asked to list the persons they consider as friends. The persons mentioned were counted.

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>

A-BB/cm/mq/v/2/a  

Synchronic correlation at T1.

\[ r = +.21 \]
\[ p < .10 \]

Synchronic correlation at T2.

The correlation has decreased between T1 and T2 (difference in \( r \) .06).

Diachronic correlation: T1 friends by T2 happiness, controlled for T1 happiness.

\[ r_{pc} = +.27 \]
\[ p < .05 \]

Diachronic correlation: T1 happiness by T2 friends, controlled for T1 friends.

\[ r_{pc} = +.21 \]
\[ p < .10 \]

 Rpc indicates the effect of earlier friends on later change in happiness.

 Rpc indicates the effect of earlier happiness on later change in friends.

The effect of friends on happiness appears somewhat smaller than the effect of happiness on friends (difference in \( r_{pc} \) .06).

---

**Correlational finding on Happiness and Current number of friends**

**Subject code: F6.2**

**Study**

ALLAR 1973/1

**Reported in:**
Allardt, E.  
Research Group for Comparative Sociology, 1973, Research Report Nr. 1, University of Helsinki, Finland

**Population:**
15-64 aged, general public, Denmark, 1972

**Sample:**
Probability multistage stratified area sample

**Non-Response:**

\[ N = 1000 \]
Findings on Happiness and FRIENDSHIP

Correlate

Authors label: Number of friends (1)

Our classification: Current number of friends, code F6.2

Measurement: 8-point scale, ranging from 'no friends' to '13 or more'

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/4/a</td>
<td>rpc=+.12</td>
<td>Controlled for: Income, housing density, education, social status, chronic illness, anxiety, frequency of meetings with relatives, opportunities to make personal contacts, possibilities to decide on matters concerning one's own personal life, number of memberships in clubs and associations, interesting life, easyness of life, loneliness, feelings of being liked, feeling of being able to use knowledge and skills, feeling of chance to succeed, gets sufficient attention, satisfaction with income, age, gender, no. of communities in which lived.</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current number of friends
Subject code: F6.2

Study

ALLAR 1973/2

Reported in: Allardt, E.
Research Group for Comparative Sociology, Research, 1973, Report nr. 1, University of Helsinki, Finland
Page in Report:

Population: 15-64 aged, general public, Finland, 1972
Sample: Probability multistage stratified area sample

Non-Response:
Findings on Happiness and FRIENDSHIP

N: 1000

Correlate

Authors label: Number of friends (1)

Our classification: Current number of friends, code F6.2

Measurement: 8-point scale, ranging from 'no friends' to '13 or more'

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/4/a</td>
<td>rpc=+.13</td>
<td>Controlled for: Income, housing density, education, social status, chronic illness, anxiety, frequency of meetings with relatives, opportunities to make personal contacts, possibilities to decide on matters concerning one's own personal life, number of memberships in clubs and associations, interesting life, easyness of life, loneliness, feelings of being liked, feeling of being able to use knowledge and skills, feeling of chance to succeed, gets sufficient attention, satisfaction with income, age, gender, no. of communities in which lived.</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current number of friends

Subject code: F6.2

Study

ALLAR 1973/3

Reported in: Allardt, E.
Research Group for Comparative Sociology, 1973, Report nr. 1, University of Helsinki, Finland
Page in Report:

Population: 15-64 aged, general public, Norway, 1972
Sample: Probability multistage stratified area sample

Non-Response:

N: 1000

Correlate

Authors label: Number of friends (1)

Our classification: Current number of friends, code F6.2

Measurement: 8-point scale, ranging from 'no friends' to '13 or more'

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/4/a</td>
<td>rpc=+.17</td>
<td>Controlled for: Income, housing density, education, social status, chronic illness, anxiety, freq. of meetings with relatives, opportunities to make personal contacts, possibilities to decide on matters concerning one's own personal life, no. of memberships in clubs and associations, interesting life, easyness of life, loneliness, feeling of being liked, feeling of being able to use knowledge and skills, feeling of chance to succeed, gets sufficient attention, satisfaction with income, age, gender, no. of communities in which lived.</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current number of friends

Subject code: F6.2

Study

ALLAR 1973/4
Findings on Happiness and FRIENDSHIP

Reported in: Allardt, E.  
Research Reports, no.1, 1973; Eesearch Group for Comparative Sociology, 1973,  
Research Report nr. 1, University of Helsinki, Finland  

Page in Report:  

Population: 15-64 aged, general public, Sweden, 1972  
Sample: Probability multistage stratified area sample  
Non-Response:  
N: 1000

Correlate

Authors label: Number of friends (1)  
Our classification: Current number of friends, code F6.2  
Measurement: 8-point scale, ranging from 'no friends' to '13 or more'

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/4/a</td>
<td>rpc=+.10</td>
<td>Controlled for: Income, housing density, education, social status, chronic illness, anxiety, freq. of meetings with relatives, opportunities to make personal contacts, possibilities to decide on matters concerning one's own personal life, no. of memberships in clubs and associations, interesting life, easyness of life, loneliness, feeling of being liked, feeling of being able to use knowledge and skills, feeling of chance to succeed, gets sufficient attention, satisfaction with income, age, gender, no. of communities in which lived.</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current number of friends  
Subject code: F6.2

### Study: AUSTR 1984/2

**Reported in:** Austrom, D.R.  
The Consequences of Being Single.  
Peter Lang Publisher, 1984, New York, USA ISBN 0 8204 0095 5  
Page in Report: 217

**Population:** 23-59 aged English speaking, Toronto and Ontario, Canada, 198?

**Sample:**

- **Non-Response:** 45%
- **N:** 1038

### Correlate

**Authors label:** Number of friends (1)  
**Our classification:** Current number of friends, code F6.2

**Measurement:** Single closed question rated on a 6-point scale:  
Approximately how many friends do you have altogether: 1-5 / 6-10 / 11-15 / 16-25 / 26-35 / 35+?

### Observed Relation with Happiness

**Happiness Measure** | **Statistics** | **Elaboration/Remarks**
---|---|---
O-SLW/u/sq/n/11/a | $r = +.23$ | $p < .001$

### Correlational finding on Happiness and Current number of friends

**Subject code:** F6.2

**Study:** MAKAR 1962

**Reported in:** Makarczyk, W.  
Factors affecting Life Satisfaction among People in Poland.  
Page in Report: 108

**Population:** Adults, general public, students and peasants excluded, Poland, 1960
Findings on Happiness and FRIENDSHIP

Sample:

Non-Response: 5%

N: 2387

Correlate

Authors label: Number of friends (1)

Our classification: Current number of friends, code F6.2

Measurement: Single question: what can you say about your friends?
I live more or less on my own / On the whole I stick to the family / I only have a small number of friends / I have a lot of friends.

Observed Relation with Happiness

Happiness Measure

Statistics

Elaboration/Remarks

O-SLW/u/sq/v/5/a

T=19

p<.001

Non-agricultural people only.

Correlational finding on Happiness and Current number of friends

Subject code: F6.2

Study

MASTE 1984/1

Reported in: Mastekaasa, A.;Moum, T.
The Perceived Quality of Life in Norway: Regional Variations and Contextual Effects. Social Indicators Research, 1984, Vol 14, 385 - 419. ISSN 0303 8300 DOI:10.1007/BF00300450

Page in Report: 411

Population: 15-64 aged, general public, non-institutionalized, Norway, 1971

Sample:

Non-Response: 15%

N: 854
Findings on Happiness and FRIENDSHIP

Correlate

Authors label: Number of friends (1)
Our classification: Current number of friends, code F6.2
Measurement: Direct question about number of friends.
Remarks: Curvilinear relationship.

Observed Relation with Happiness

Happiness Measure | Statistics | Elaboration/Remarks
--- | --- | ---
O-HL/c/sq/v/4/d | Beta=+ p<.01 | $\beta$ controlled for education, income, age, sex, household size, occupational prestige, occupational active, marital status. Unaffected by both traditionalism and economic level of the county.

Correlational finding on Happiness and Number of close friends
Subject code: F6.2.1

Study | ABE 1986
--- | ---
Page in Report: 259
Sample: | Non-probability chunk sample
Non-Response: | 20 % (cases 21%, controls 19%)
N: | 432
Findings on Happiness and FRIENDSHIP

Authors label: Number of intimate friends (1)
Our classification: Number of close friends, code F6.2.1
Measurement: Single direct question

Observed Relation with Happiness

Happiness Measure

<table>
<thead>
<tr>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>

Correlational finding on Happiness and Number of close friends

Subject code: F6.2.1

Study

ABE 1986

Reported in: Abe, T.; Moritsuka, T.
A Case-Control Study on Climacteric Symptoms and Complaints of Japanese Women by Symptomatic Type for Psychological Variables.
Maturitas, 1986, Vol. 8, 255 - 265. ISSN 0378 5122
Page in Report: 259


Sample: Non-probability chunk sample

Non-Response: 20 % (cases 21%, controls 19%)

N: 432

Correlate

Authors label: Number of intimate friends (2)
Our classification: Number of close friends, code F6.2.1
Measurement: Single direct question: How many intimate friends do you have other than members of your family?

Observed Relation with Happiness
Correlational finding on Happiness and Number of close friends

Subject code: F6.2.1

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, 27 - 41
Page in Report: 35/36

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

Correlate

Authors label: Number of emotionally close friends (3)

Our classification: Number of close friends, code F6.2.1

Measurement: Ss were first asked to list the persons they consider as friends. Next they indicated which of these are emotionally close.

Observed Relation with Happiness

Happiness Measure

Statistics Elaboration/Remarks

A-BB/cm/mg/v/2/a r=+.17
ns Synchronic correlation at T1.
Findings on Happiness and FRIENDSHIP

A-BB/cm/mq/v/2/a  r=+.38  
  p<.05 

  Synchronic correlation at T2.  
  The correlation has increased between T1 and T2  
  (difference in r .21).

A-BB/cm/mq/v/2/a  rpc=+.12  
  ns  

  Diachronic correlation: T1 emotionally close  
  friends by T2 happiness, controlled for T1  
  happiness.  
  Rpc indicates the effect of earlier emotionally  
  close friends on later CHANGE IN HAPPINESS.

A-BB/cm/mq/v/2/a  rpc=+.20  
  ns  

  Diachronic correlation: T1 happiness by T2  
  emotionally close friends, controlled for T1  
  emotionally close friends.  
  Rpc indicates the EFFECT OF EARLIER HAPPINESS on  
  later change of emotionally close friends.

  The effect of emotionally close friends on  
  happiness appears somewhat smaller than the effect  
  of happiness on emotionally close friends  
  (difference in rpc .08).

---

Correlational finding on Happiness and Number of close friends  
Subject code: F6.2.1

Study  
  AUSTR 1984/2

  Reported in:  Austrom, D.R.  
  The Consequences of Being Single.  
  Peter Lang Publisher, 1984, New York, USA ISBN 0 8204 0095 5  
  Page in Report: 217

  Population:  23-59 aged English speaking, Toronto and Ontario, Canada, 198?

  Sample:  
  Non-Response:  45%  
  N:  1038

Correlate
Findings on Happiness and FRIENDSHIP

Authors label: Number of close friendships (1)

Our classification: Number of close friends, code F6.2.1

Measurement: Single open-ended question: How many people are there in your life that you feel really close to?

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/n/11/a</td>
<td>$r=+.16$</td>
<td>$p&lt;.001$</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Number of close friends
Subject code: F6.2.1

Study

BBC 2006

Reported in: BBC
Page in Report: 74

Population: 15+ aged, UK, 2005

Sample: Probability sample (unspecified)

Non-Response: ??

N: 1001

Correlate

Authors label: Close friends

Our classification: Number of close friends, code F6.2.1
**Measurement:**
Self-report on a single question:
How many close friends do you have who you speak to at least once a week?
0: none
1: 1–2
2: 3–5
3: 6–10
4: More than 10

**Measured Values:** 0: N=35; 1: N=179; 2: N=378; 3: N=251; 4: N=142

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/g/sq/v/4/g</td>
<td>( t_b = +0.04 )</td>
<td>( p &lt; .19 )</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/10/ab</td>
<td>( t_b = +0.01 )</td>
<td>( p &lt; .893 )</td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Number of close friends**

**Subject code: F6.2.1**

**Study**

**DIENE 2002A**

*Reported in:* Diener, E.; Seligman, M.E.
Very Happy People.
Psychological Science, 2002, Vol.13, 81 - 84. ISSN 0956 7976 DOI::10.1111/1467-9280.00415
Page in Report: 83

*Population:* Undergraduate students, US, 200?

*Sample:* Non-probability purposive sample

*Non-Response:*

\( N: 222 \)

---

**Correlate**

Findings on Happiness and FRIENDSHIP

Authors label: Relationships with close friend
Our classification: Number of close friends, code F6.2.1
Measurement: Self-rating of number of close friends. Rating from 1 to 7 as compared to the average University of Illinois student.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-AO/<em>/mqr/</em>/0/a</td>
<td>$E^2 = .24$</td>
<td>Mean number of friends</td>
</tr>
<tr>
<td></td>
<td>$p &lt; .01$</td>
<td>a 10% least happy 4.1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b 27% close to average 5.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>c 10% most happy 6.3</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Number of close friends
Subject code: F6.2.1

Study

STAPE 1988/1

Reported in: Stapel, J.
De Gelukkige Nederlanders. (The Happy Dutchman).
Unpublished Paper, N.I.P.O.(Gallup Affiliate), 1988, Amsterdam, Netherlands
Page in Report: 4

Population: 18+ aged, The Netherlands, 1988

Sample: Probability systematic sample

Non-Response:

N: 952

Correlate

Authors label: Having friends (1)
Our classification: Number of close friends, code F6.2.1
Findings on Happiness and FRIENDSHIP

**Measurement:** Single closed question: "Do you have many, a few or no real friends?"

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-FH/u/sq/v/3/a</td>
<td>$G = +.43$</td>
<td>$p &lt; .01$</td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Number of close friends**

**Subject code: F6.2.1**

**Study**


*Population:* 18-88 aged, general public, Denmark, 1993

*Sample:* Non-probability purposive sample

*Non-Response:* 39%

*N:* 1494

---

**Correlate**

*Authors label:* with/without friend (1)

*Our classification:* Number of close friends, code F6.2.1

*Measurement:* Single question:

"Do you have a friend with whom you can talk about everything—and do ?"

1: has friend
0: no friend

*Measured Values:* N: 803
Findings on Happiness and FRIENDSHIP

Remarks: partner means: you have sex; friend: no sex

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/m/sq/v/5/a</td>
<td>DM=t=+</td>
<td>no partner</td>
</tr>
<tr>
<td></td>
<td></td>
<td>unemployed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>employed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>partner</td>
</tr>
<tr>
<td></td>
<td></td>
<td>unemployed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>employed</td>
</tr>
<tr>
<td>1:Ms=6.88</td>
<td>7.50</td>
<td>8.10</td>
</tr>
<tr>
<td>0:Ms=5.00</td>
<td>6.80</td>
<td>7.05</td>
</tr>
<tr>
<td></td>
<td></td>
<td>partner</td>
</tr>
<tr>
<td></td>
<td></td>
<td>unemployed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>employed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>partner</td>
</tr>
<tr>
<td></td>
<td></td>
<td>unemployed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>employed</td>
</tr>
</tbody>
</table>

| O-SLu/c/sq/v/5/e  | DM=t=+     | no partner          |
|                   |            | unemployed          |
|                   |            | employed            |
|                   |            | partner              |
|                   |            | unemployed          |
|                   |            | employed            |
| 1:Ms=6.88         | 6.86       | 7.50                |
| 0:Ms=3.34         | 5.90       | 6.36                |
|                   |            | partner              |
|                   |            | unemployed          |
|                   |            | employed            |
|                   |            | partner              |
|                   |            | unemployed          |
|                   |            | employed            |

| O-HL/c/sq/v/5/h   | DM=t=+     | no partner          |
|                   |            | unemployed          |
|                   |            | employed            |
|                   |            | partner              |
|                   |            | unemployed          |
|                   |            | employed            |
| 1:Ms=5.88         | 6.15       | 7.38                |
| 0:Ms=5.00         | 5.40       | 6.25                |

Correlational finding on Happiness and Number of close friends
Subject code: F6.2.1

Study: VENTE 1995

Reported in: Ventegodt, S.
Livskvalitet i Danmark. (Quality of Life in Denmark).
Forskningscentrets Forlag (The Quality of Life Research Center), København, Denmark, ISBN 8790190017 http://www.livskvalitet.org/t1/index.asp
Page in Report: 344

Population: 18-88 aged, general public, Denmark, 1993

Sample: Non-probability purposive sample

Non-Response: 39%

N: 1494
Findings on Happiness and FRIENDSHIP

Correlate

Authors label: close friend (1)

Our classification: Number of close friends, code F6.2.1

Measurement: Single question:
"Do you have a friend with whom you can talk about everything - an do ?"
1: no
2: not sure
3: yes


Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/m/sq/v/5/a</td>
<td>r=+.15 p&lt;.00</td>
<td>1: Mt=7.18 2: Mt=7.50 3: Mt=7.99 All Mt=7.76</td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/e</td>
<td>r=+.20 p&lt;.00</td>
<td>1: Mt=6.74 2: Mt=7.06 3: Mt=7.75 All Mt=7.45</td>
</tr>
<tr>
<td>O-HL/c/sq/v/5/h</td>
<td>r=+.21 p&lt;.00</td>
<td>1: Mt=6.24 2: Mt=6.56 3: Mt=7.24 All Mt=6.95</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Number of close friends
Subject code: F6.2.1

Study WHITE 1979
Findings on Happiness and FRIENDSHIP

Reported in: White, L.K.
Sex Differentials in the Effect of Remarriage on Global Happiness.
Journal of Marriage and the Family, 1979, Vol. 41, 869-876. ISSN 0022 2445
Page in Report: 874

Population: Adult, general public, married and divorced, Nebraska, USA, 1977

Sample:

Non-Response:

N: 1085

Correlate

Authors label: Number of close friends (1)

Our classification: Number of close friends, code F6.2.1

Measurement: Single direct question to: the number of friends respondent feels close to

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/3/ad</td>
<td>r=</td>
<td></td>
</tr>
<tr>
<td>1: first marriage men</td>
<td>r = +.08</td>
<td>(ns)</td>
</tr>
<tr>
<td>2: first marriage women</td>
<td>r = +.11</td>
<td>(05)</td>
</tr>
<tr>
<td>3: remarriage men</td>
<td>r = +.24</td>
<td>(ns)</td>
</tr>
<tr>
<td>4: remarriage women</td>
<td>r = +.10</td>
<td>(ns)</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Number of close friends
Subject code: F6.2.1

Study

ZUMA 1989

Reported in: Zentrum fur Umfrageforschung Mannheim (ZUMA)
Page in Report:

Population: 18+ aged, general public, West-Germany, 1978-88
Findings on Happiness and FRIENDSHIP

Sample:
Non-Response: 2100

Correlate

Authors label: Friendships (1)

Our classification: Number of close friends, code F6.2.1

Measurement: Question: 'Do you have one or more really close friends, I mean not within your family?'
Coding reversed by us. Signs of correlations reversed accordingly.
0 no
1 yes

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/n/11/</td>
<td>SNR=</td>
<td></td>
</tr>
<tr>
<td>ba</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>eta</td>
<td>G</td>
</tr>
<tr>
<td>1978</td>
<td>-.12</td>
<td>-.15</td>
</tr>
<tr>
<td>1980</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1984</td>
<td>-.08</td>
<td>-.10</td>
</tr>
<tr>
<td>1988</td>
<td>-.13</td>
<td>-.14</td>
</tr>
</tbody>
</table>

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

| O-HL/c/sq/v/4/b   | SNR=       |                     |
|                   |            |                     |
|                   | eta        | G                   | r      | ß       |
| 1978              | +.14       | +.31                | +.14   |
| 1980              |            |                     |
| 1984              | +.08       | +.17                | +.08   |
| 1988              | +.11       | +.26                | +.11   |

ß's controlled for age, gender, perceived class and marital status.
Correlational finding on Happiness and Number of close friends
Subject code: F6.2.1

Study
ZUMA 1989

Reported in: Zentrum fur Umfrageforschung Mannheim (ZUMA)

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

Sample:
Non-Response: ?

N: 2100

Correlate

Authors label: Number of friends (1)
Our classification: Number of close friends, code F6.2.1
Measurement: Question: 'How many close friends do you have roughly?'

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/n11/</td>
<td>SNR=</td>
<td></td>
</tr>
<tr>
<td>ba</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>eta</td>
<td>G</td>
</tr>
<tr>
<td>1978</td>
<td>+.13</td>
<td>+.04</td>
</tr>
<tr>
<td>1980</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1984</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1988</td>
<td>+.16</td>
<td>+.10</td>
</tr>
</tbody>
</table>

b's controlled for age, gender, perceived class and marital status.
## Findings on Happiness and FRIENDSHIP

<table>
<thead>
<tr>
<th>Year</th>
<th>eta</th>
<th>G</th>
<th>r</th>
<th>( \beta )</th>
</tr>
</thead>
<tbody>
<tr>
<td>1978</td>
<td>+.15</td>
<td>+.15</td>
<td>+.08</td>
<td></td>
</tr>
<tr>
<td>1980</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1984</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1988</td>
<td>+.14</td>
<td>+.12</td>
<td>+.08</td>
<td></td>
</tr>
</tbody>
</table>

\( \beta \)'s controlled for age, gender, perceived class and marital status.

---

### Correlational finding on Happiness and Number of friends/acquaintances

**Subject code: F6.2.2**

**Study**

**STAPE 1988/1**

Reported in: Stapel, J.  
De Gelukkige Nederlanders. (The Happy Dutchman).  
Unpublished Paper, N.I.P.O.(Gallup Affiliate), 1988, Amsterdam, Netherlands  
Page in Report: 4

**Population:** 18+ aged, The Netherlands, 1988

**Sample:** Probability systematic sample

**Non-Response:**

\( N: 952 \)

### Correlate

**Authors label:** Having acquaintances (1)

**Our classification:** Number of friends/acquaintances, code F6.2.2

**Measurement:** Single closed question: "Do you have many, a few or no acquaintances?"

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>
Correlational finding on Happiness and Current contacts with friends
Subject code: F6.3

Study
ADAMS 1988

Page in Report: 35/36

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

Correlate

Authors label: Interaction with friends (1)
Our classification: Current contacts with friends, code F6.3
Measurement: Ss were first asked to list the persons they consider as friends. Next they estimated the number of contacts in the last year with each of these.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>r=+.26</td>
<td>Synchronic correlation at T1.</td>
</tr>
</tbody>
</table>
Findings on Happiness and FRIENDSHIP

Synchronic correlation at T2. The correlation has decreased between T1 and T2. (difference in r .14).

Diachronic correlation: T1 interaction by T2 happiness, controlled for T1 happiness. Rpc indicates the effect of earlier interaction on later CHANGE IN HAPPINESS.

Diachronic correlation: T1 happiness by T2 interaction, controlled for T1 interaction. Rpc indicates the EFFECT OF EARLIER HAPPINESS on later change in interaction.

There is neither effect of interaction on happiness, nor effect of happiness on interaction.

Correlational finding on Happiness and Current contacts with friends
Subject code: F6.3

Study  ALEXA 1968


Population: Schizophrenic males non-hospitalized, Monroe County, New York, USA, 1964-65

Sample: Non-Response: 28%, most of them patients' or family member refusal

N: 178

Correlate

Authors label: Contacts with friends (1)
Findings on Happiness and FRIENDSHIP

Our classification: Current contacts with friends, code F6.3

Measurement: Closed question: less than once a month / between once a month and once a week / at least once a week

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cw/mq/v/4/f</td>
<td>G = +</td>
<td>Index of Positive Affects only: G = +.19 (05)</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current contacts with friends

Subject code: F6.3

Study

AUSTR 1984/2

Reported in: Austrom, D.R.
The Consequences of Being Single.
Peter Lang Publisher, 1984, New York, USA ISBN 0 8204 0095 5
Page in Report: 217

Population: 23-59 aged English speaking, Toronto and Ontario, Canada, 198?

Sample:

Non-Response: 45%

N: 1038

Correlate

Authors label: Frequency of social contacts with friends (1)

Our classification: Current contacts with friends, code F6.3

Measurement: Single closed question rated on a 6-point scale: About how often do you get together socially with your friends: several times a week / a few times a week / once a week / a few times a month / once a month / less than once a month.
Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/n/11/a</td>
<td>$r = +.02$</td>
<td>ns</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current contacts with friends

Subject code: F6.3

Study

**BBC 2006**

Reported in: BBC


Page in Report: 74

Population: 15+ aged, UK, 2005

Sample: Probability sample (unspecified)

Non-Response: ??

$N$: 1001

Correlate

**Authors label:** Close friends

**Our classification:** Current contacts with friends, code F6.3

**Measurement:** Self-report on a single question:

How many close friends do you have who you speak to at least once a week?

- 0: none
- 1: 1-2
- 2: 3-5
- 3: 6-10
- 4: More than 10

**Measured Values:** 0: N=35; 1: N=179; 2: N=378; 3: N=251; 4: N=142
Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/g/sq/v/4/g</td>
<td>tb=+04</td>
<td>p&lt;.19</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/10/ab</td>
<td>tb=+01</td>
<td>p&lt;.893</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current contacts with friends
Subject code: F6.3

Study

Study BEALS 1985

Reported in: Beals, J.
Generational Differences in Well-being for two European Groups.
PhD Dissertation, University of Michigan, 1985, USA
Page in Report: 80,91

Population: Immigrants from Europe, USA, 1978

Sample:

Non-Response: -

N: 844

Correlate

Authors label: Contacts with friends (1)

Our classification: Current contacts with friends, code F6.3

Measurement: Contacts the one (ggod) you most often talk to.
1: less than once a year
2: less than once a month
3: once time a month or more
4: once a week or more
5: almost daily

Observed Relation with Happiness
Findings on Happiness and FRIENDSHIP

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-AO/u/mq/*/0/a</td>
<td>β_L=+.10</td>
<td>β_L standardized direct path coefficient in a LISREL-model, controlled for contacts with relatives, perceptions of US-life, immigration-generation and socioeconomic status. Also involved in the model are cognitive well-being and negative affect.</td>
</tr>
<tr>
<td></td>
<td>ns</td>
<td></td>
</tr>
<tr>
<td>O-Sum/u/mq/*/0/b</td>
<td>β_L=+.03</td>
<td>β_L standardized direct path coefficient in a LISREL-model, controlled for perceptions of US-life, contacts with relatives, socioeconomic status and immigration generation. Also involved in the model are positive and negative affect.</td>
</tr>
<tr>
<td></td>
<td>ns</td>
<td></td>
</tr>
</tbody>
</table>

|                      | r=+.07         | Immigrants from Western Europe                                                        |
|                      | p<.05          |                                                                                      |
| M-AO/u/mq/*/0/a      | r=+.12         | Immigrants from Western Europe                                                        |
|                      | p<.01          |                                                                                      |
| O-Sum/u/mq/*/0/b     | r=+.10         | Immigrants from Eastern and Southern Europe                                          |
|                      | p<.05          |                                                                                      |
| M-AO/u/mq/*/0/a      | r=+.12         | Immigrants from Eastern and Southern Europe                                          |
|                      | p<.01          |                                                                                      |

Correlational finding on Happiness and Current contacts with friends

**Subject code: F6.3**

**Study**
BOHNK 2008

**Reported in:** Böhnke, P.; Kohler, U.  
Well-being and Inequality  
WZB Discussion Paper no. SP I 2008-201, 2008, Berlin, Germany ISSN 1612 3468  
http://www.wzb.eu  
Page in Report: 24

**Population:** 18+ aged, in 28 European nations, 2003

**Sample:** Mixed samples
Findings on Happiness and FRIENDSHIP

Non-Response:
N: 18600

Correlate

Authors label: Contacts friends/neighbours

Our classification: Current contacts with friends, code F6.3

Measurement: 0 = no (reference)
1 = yes

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLu/c/sq/n/10/b</td>
<td>B=+.33</td>
<td>No controls</td>
</tr>
<tr>
<td></td>
<td>p&lt;.05</td>
<td></td>
</tr>
<tr>
<td>O-SLu/c/sq/n/10/b</td>
<td>B=+.34</td>
<td>B controlled for</td>
</tr>
<tr>
<td></td>
<td>p&lt;.05</td>
<td>-gender</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-age</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-type of community</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-income</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-employment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-class/occupation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-education</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-rooms per person</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-accomodation problems</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-separated/divorced</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-widowed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-single, never married</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-voluntary work</td>
</tr>
<tr>
<td>O-SLu/c/sq/n/10/b</td>
<td>B=+.32</td>
<td>B additionally controlled for</td>
</tr>
<tr>
<td></td>
<td>p&lt;.05</td>
<td>-church attendance</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-internet use</td>
</tr>
<tr>
<td>O-SLu/c/sq/n/10/b</td>
<td>B=+.26</td>
<td>B additionally controlled for</td>
</tr>
<tr>
<td></td>
<td>p&lt;.05</td>
<td>-long term illness and health satisfaction</td>
</tr>
</tbody>
</table>
Correlational finding on Happiness and Current contacts with friends
Subject code: F6.3

Study BRADB 1965/1

Reported in: Bradburn, N.M.; Caplovitz D.
Aldine Publishing Company, 1965, Chicago, USA
Page in Report: 43

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

Sample:
Non-Response: -
N: 2006

Correlate

Authors label: Contacts with friends other than relatives (1)
Our classification: Current contacts with friends, code F6.3
Measurement: Closed question on frequency of contact during last week, rated on a 5-point scale: not at all / once / twice.

Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks
A-BB/cw/mq/v/4/e G = + Index of Positive Affects only: G' = +.31 (01). Unaffected by S.E.S.

Correlational finding on Happiness and Current contacts with friends
Subject code: F6.3

Study BRADB 1969
Correlate

Authors label: Contacts with friends other than relatives (1)

Our classification: Current contacts with friends, code F6.3

Measurement: Direct question on how many times one got together with friends, during the past few weeks, rated on a 6-point scale.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mg/v/2/a</td>
<td>G=&gt;</td>
<td>Data T1.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not computed for summed ABS.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Index of Positive Affects: G= +.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Index of Negative Affects: G= +.04</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current contacts with friends

Subject code: F6.3

Study CSIKS 2003

Reported in: Csikszentmihalyi, M.; Hunter, J.
Page in Report: 193
Population: Teenagers, USA, 1998
Sample: Non-probability purposive sample
Non-Response: 
N: 828

Correlate

Authors label: Company
Our classification: Current contacts with friends, code F6.3
Measurement: % time spend in company of:
a: teachers
b: class mates
c: friends
d: relatives
when beeped

Remarks: Participants were beeped at random moments eight times a day from 7:30 am to 10:30 pm for one week. At each beep they answered questions about:
a: what activity they where doing on the moment
b: whom they were with
c: how they felt at that moment (various feelings, one of which happiness)

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/mi/sqr/n/7/a</td>
<td>Beta=+</td>
<td>% time in company with teachers</td>
</tr>
<tr>
<td>A-ARE/mi/sqr/n/7/a</td>
<td>t=-0.1</td>
<td>p&lt;.001</td>
</tr>
<tr>
<td>A-ARE/mi/sqr/n/7/a</td>
<td>Beta=</td>
<td>% time with class mates</td>
</tr>
<tr>
<td>A-ARE/mi/sqr/n/7/a</td>
<td>t=-0.7</td>
<td>p&lt;.001</td>
</tr>
</tbody>
</table>
Findings on Happiness and FRIENDSHIP

% time with friends
Beta = +
\[ t = +0.2 \]
\[ p < 0.001 \]

% time with relatives
Beta = +
\[ t = +2.2 \]
\[ p < 0.01 \]

Beta's controled for:
- age
- gender
- SES

Correlational finding on Happiness and Current contacts with friends
Subject code: F6.3

Study
CSIKS 2003

Reported in:
Csikszentmihalyi, M.; Hunter, J.
Happiness in Everyday Life: the Uses of Experience Sampling.
Journal of Happiness Studies, 2003, Vol. 4, 185 - 199. ISSN p 1389 4978; ISSN e 1573 7780. DOI 10.1007/s11205-005-0805-6
Page in Report: 193

Population:
Teenagers, USA, 1998

Sample:
Non-probability purposive sample

Non-Response:
N: 828

Correlate

Authors label:
Being alone

Our classification:
Current contacts with friends, code F6.3
Findings on Happiness and FRIENDSHIP

**Measurement:**
% time in company when beeped
0: alone
1: in company of:
  a: teachers
  b: classmates
  c: friends

**Remarks:** Participants were beeped at random moments eight times a day from 7:30 am to 10:30 pm for one week. At each beep they answered questions about:
  a: what activity they were doing on the moment
  b: whom they were with
  c: how they felt at that moment (various feelings, one of which happiness)

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/mi/sqr/n/7/a</td>
<td>Beta=-</td>
<td>Beta controlled for:</td>
</tr>
<tr>
<td></td>
<td>p&lt;.001</td>
<td>- age</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- gender</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- SES</td>
</tr>
<tr>
<td>A-ARE/mi/sqr/n/7/a</td>
<td>t=-3.9</td>
<td></td>
</tr>
<tr>
<td></td>
<td>p&lt;.001</td>
<td></td>
</tr>
<tr>
<td>A-ARE/mi/sqr/n/7/a</td>
<td>B=-.01</td>
<td>Beta additionally controlled for:</td>
</tr>
<tr>
<td></td>
<td>p&lt;.001</td>
<td>- % time in flow</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- % time in relaxation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- % time reading/writing for fun</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- grade level in school</td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Current contacts with friends**

**Subject code: F6.3**

**Study**

GUNDE 2004
Findings on Happiness and FRIENDSHIP

Reported in: Gundelach, P.; Kreiner, S.
Happiness and Life Satisfaction in Advanced European Countries.
Cross-Cultural Research, 2004, Vol. 38, 359 - 386. ISSN 1069 3971 DOI:
n10.1177/1069397104267483
Page in Report: 369

Population: 18 + aged, 9 advanced countries, Western Europe, 1999

Sample: Non-probability purposive sample

Non-Response:

N: 10517

Correlate

Authors label: Spending time with friends

Our classification: Current contacts with friends, code F6.3

Measurement: Spend time with friends

1 Weekly
2 Once or twice
3 Only a few
4 Not at all

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/u/sq/v/4/a</td>
<td>Gs= +13</td>
<td>Gs's Controlled for:</td>
</tr>
<tr>
<td></td>
<td>p&lt;.000</td>
<td>- living in a stable relationship</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current contacts with friends
Subject code: F6.3

Study HEADE 1993
Findings on Happiness and FRIENDSHIP

Reported in: Headey, B.; Kelley, J.; Wearing, A.
Dimensions of Mental Health: Life Satisfaction, Positive Affect, Anxiety and Depression.
Social Indicators Research, 1993, Vol. 29, 63 - 82. ISSN p 0303 8300; ISSN e 1573 0921 DOI:10.1007/BF01136197
Page in Report: 76

Population: 18-65 aged, Victoria, Australia, followed every 2 years from 1981 to 1987

Sample: Probability stratified sample

Non-Response:

N: 419

Correlate

Authors label: Availability of friends

Our classification: Current contacts with friends, code F6.3

Measurement: Selfreport
Questions not reported

Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks
O-Sum/*/mg/*0/a r=+.22
p<.05

Correlational finding on Happiness and Current contacts with friends

Subject code: F6.3

Study LINN 1980

Reported in: Linn, J.G.; McGranahan, D.A.
Personal Disruption, Social Integration, Subjective Well-Being and Predisposition toward the Use of Counseling Services.
American Journal of Community Psychology, 1980, Vol 8, 87 - 100. ISSN 0091 0562 DOI:10.1007/BF00892284
Page in Report: 95
**Findings on Happiness and FRIENDSHIP**

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

*Sample:

*Non-Response:* 7-24 %

*N:* 1423

**Correlate**

*Authors label:* Contact with friends (1)

*Our classification:* Current contacts with friends, code F6.3

*Measurement:* Direct question: "How often do you talk to one or more of your close friends living in the county?"

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/7/a</td>
<td>B=+ ns</td>
<td>B controlled for: sex, education, income, occupation, health, divorce/separation, unemployment; age and its interaction with health and unemployment.</td>
</tr>
<tr>
<td>O-SLW/u/sq/v/7/a</td>
<td>B=+ ns</td>
<td>B controlled for: sex, education, income, occupation, health, divorce/separation, unemployment; age and its interaction with health and unemployment.</td>
</tr>
<tr>
<td>O-HL/c/sq/v/7/a</td>
<td>B=+ p&lt;.01</td>
<td>Interaction with health problems</td>
</tr>
<tr>
<td>O-SLW/u/sq/v/7/a</td>
<td>B=+ p&lt;.05</td>
<td>Interaction with health</td>
</tr>
<tr>
<td>O-HL/c/sq/v/7/a</td>
<td>B=+ p&lt;.05</td>
<td>Interaction with divorce</td>
</tr>
</tbody>
</table>
Findings on Happiness and FRIENDSHIP

O-SLW/u/sq/v/7/a  B=+ ns interaction with divorce

O-SLW/u/sq/v/7/a  B=+ p<.05 interaction with unemployed

O-HL/c/sq/v/7/a  B=+ ns interaction with unemployment

Correlational finding on Happiness and Current contacts with friends
Subject code: F6.3

Study

LINN 1986


Population: Physicians, California, USA, 1984

Sample: Probability simple random sample

Non-Response:

N: 211

Correlate

Authors label: Socializing

Our classification: Current contacts with friends, code F6.3

Measurement: Selfreported of typical behaviours in the past 6 month to make one feel better:
- Attending plays, movies or concert
- Going out for dinner in a restaurant with friends or family
- Visiting friends or family in their homes
- Talking on the telephone with friends about non-work related activities
Rated: never (1) to daily (6)

Measured Values: M = Attending plays etc 2.98, Going out etc 3.77, Visiting etc 3.03, Talking etc 3.55
Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>r=+.12</td>
<td>ns</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current contacts with friends
Subject code: F6.3

Study MARTI 1984

Reported in: Martinson, O.B.; Wilkening, E.A.; McGrahanan, D.
Predicting overall Life Satisfaction: The Role of Life Cycle and Social Psychological Antecedents.
Social Indicators Research 1984, Vol. 14, 99 - 108. ISSN 0303 8300. DOI:10.1007/BF00315724
Page in Report: 104

Population: 18+ aged, general public, N.W. Wisconsin, USA, 1974

Sample:
Non-Response: 12%
N: 1423

Correlate

Authors label: Contact with friends (1)

Our classification: Current contacts with friends, code F6.3

Measurement: Single direct question:
1: less than once a week
2: once a week
3: two or more times a week

Observed Relation with Happiness
Findings on Happiness and FRIENDSHIP

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

**Beta** = +.04 ns

- age <30: ß = +.02  ns
- 30 - 49: ß = +.07  ns
- 50 - 64: ß = -.02  ns
- > 64: ß = +.05  ns

ß controlled for powerlessness, community solidarity, health, days too sick to work, recent move, separated/ divorced, unemployed, contact with friends, church attendance, organizational membership, education, family income.

---

**Correlational finding on Happiness and Current contacts with friends**

**Subject code: F6.3**

**Study**

MARTI 1985


*Page in Report:* 309

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

**Sample:**

*Non-Response:* 14%

*N:* 1423

**Correlate**

**Authors label:** Contact with friends (1)

**Our classification:** Current contacts with friends, code F6.3

**Measurement:** Single direct question:

1: less than once a week
2: once a week
3: two or more times a week
### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sqt/v/7/a</td>
<td>Beta</td>
<td>β of different age groups:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>under 30 : .00 ns</td>
</tr>
<tr>
<td></td>
<td></td>
<td>30-49 : +.07 ns</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50-54 : -.02 ns</td>
</tr>
<tr>
<td></td>
<td></td>
<td>over 64 : +.05 ns</td>
</tr>
</tbody>
</table>

β controlled for: negative life change, degree of disability, days lost due to illness, powerlessness, community solidarity, recent migrant, contact with relatives, organizational affiliation, church attendance, separated / divorced, sex, unemployed, family income, education.

### Correlational finding on Happiness and Current contacts with friends

**Subject code: F6.3**

**Study**


Page in Report: 369

**Population:** 18+ aged, general public, non-institutionalized, USA, 1974-1982

**Sample:**

**Non-Response:**

N: 7542

**Correlate**

**Authors label:** Social relationships with friends (1)

**Our classification:** Current contacts with friends, code F6.3

**Measurement:** Single closed question on spending a social evening with friends, rated on a 7-point scale, ranging from "almost every day" to "never" (order reversed).
## Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=+.04</td>
<td></td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
<tr>
<td></td>
<td>rpc=+.07</td>
<td>rpc controlled for income, occupation, educational degree, children, age, marital status, race, sex, urbanism.</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>

## Correlational finding on Happiness and Current contacts with friends

**Subject code: F6.3**

**Study**

PAYNE 1974

*Reported in:* Payne, R.L. N.M. Bradburn's Measures of Psychological Well-Being: An Attempt at Replication. M.C.R. Social and Applied Psychology Unit, Department of Psychology University of Sheffield, 1974, UK

*Page in Report:* 17

*Population:* Employed males, supervising jobs, England, 197?

*Sample:*

*Non-Response:* 4% incomplete.

*N:* 192

**Correlate**

*Authors label:* Contacts with friends. (1)

*Our classification:* Current contacts with friends, code F6.3

*Measurement:* Direct question on number of contacts in the past 4 weeks rated on a 6-point scale ranging from 'not at all' to 'five or more'.
Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mg/v/5/a</td>
<td>G = .13</td>
<td>Index of Positive Affects: G = +.13</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Index of Negative Affects: G = +.11</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current contacts with friends

Subject code: F6.3

Study

PHILL 1967A


Population: Adult, general public, New Hampshire, USA, 196?

Sample:

Non-Response: -

N: 600

Correlate

Authors label: Contacts with friends (1)

Our classification: Current contacts with friends, code F6.3

Measurement: Direct question on how many times one got together with friends during the past few weeks 0 / 1-2 / 3 or more.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>
Findings on Happiness and FRIENDSHIP

A-BB/cm/mq/v/2/a  G = +

Index of Positive Affects: G = +.34
High S.E.S. : d = +.11
Medium S.E.S. : d = +.22
Low S.E.S. : d = +.35

Index of Negative Affects: G = +.03
High S.E.S. : G = -.09
Medium S.E.S. : G = +.02
Low S.E.S. : G = +.07
(See PHILL 1969, p. 7).

Correlational finding on Happiness and Current contacts with friends
Subject code: F6.3

Study  SNIDE 1980

Reported in: Snider, E.L.
Explaining Life Satisfaction: It's the Elderly's Attitudes that Count.
Social Science Quarterly, 1980, Vol. 61, 253 - 263. ISSN 0038 4941
Page in Report: 257-258

Population: 65+ aged, retired whites, Edmonton, Canada, 1976
Sample: Probability systematic sample
Non-Response: 10%
N: 428

Correlate

Authors label: Frequency friend contact (1)
Our classification: Current contacts with friends, code F6.3
Measurement: Single direct question rated on a 5-point scale with the
choice statements: 'never', 'yearly', 'monthly', 'weekly' and 'daily'.

Observed Relation with Happiness

Happiness Measure  Statistics  Elaboration/Remarks
### Correlational finding on Happiness and Current contacts with friends

**Subject code: F6.3**

**Study**

- **UGLAN 2006**
- **Page in Report:** question 96

**Population:** 16+ aged, Russia, 1993

**Sample:** Probability multi-stage cluster sample

**Non-Response:** ?

**N:** 2018

**Correlate**

- **Authors label:** Visiting friends
- **Our classification:** Current contacts with friends, code F6.3
- **Measurement:** How often do you visit your friends?
  - 1 never
  - 2 one or several times per year
  - 3 1–2 times per month
  - 4 every week
  - DK/NA

**Measured Values:** N = 1: 11,1% 2: 32,2% 3: 38,6% 4: 17,7% DK/NA: 0,3%
Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/v/4/g</td>
<td>DM=+</td>
<td>1: M = 2.15</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2: M = 2.43</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: M = 2.59</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4: M = 2.77</td>
</tr>
<tr>
<td>O-SLW/c/sq/v/4/g</td>
<td>rs=+.21</td>
<td>p&lt;.000</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current contacts with friends

Subject code: F6.3

Study

Ventegodt, S., Livskvalitet i Danmark. (Quality of Life in Denmark). Forskningscentrets Forlag (The Quality of Life Research Center), København, Denmark, ISBN 8790190017 http://www.livskvalitet.org/t1/index.asp
Page in Report: 346

Population: 18-88 aged, general public, Denmark, 1993

Sample: Non-probability purposive sample

Non-Response: 39%

N: 1494

Correlate

Authors label: relations with friends (1)

Our classification: Current contacts with friends, code F6.3
**Measurement:** Single question:
"How are your current relations with your friends?"
1: very bad
2: bad
3: neither/nor
4: good
5: very good

**Measured Values:** N: all:1368, 1:2, 2:9, 3:97, 4:700, 5:560

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/m/sq/v/5/a</td>
<td>r=+.21</td>
<td>1: Mt=5.00</td>
</tr>
<tr>
<td></td>
<td>p&lt;.00</td>
<td>2: Mt=6.95</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: Mt=6.80</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4: Mt=7.54</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5: Mt=8.24</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All Mt=7.76</td>
</tr>
</tbody>
</table>

| O-SLu/c/sq/v/5/e   | r=+.25     | 1: Mt=3.75          |
|                   | p<.00      | 2: Mt=5.28          |
|                   |            | 3: Mt=6.41          |
|                   |            | 4: Mt=7.20          |
|                   |            | 5: Mt=7.98          |
|                   |            | All Mt=7.44         |

| O-HL/c/sq/v/5/h    | r=+.23     | 1: Mt=2.50          |
|                   | p<.00      | 2: Mt=5.84          |
|                   |            | 3: Mt=6.16          |
|                   |            | 4: Mt=6.71          |
|                   |            | 5: Mt=7.45          |
|                   |            | All Mt=6.96         |

---

**Correlational finding on Happiness and Current contacts with friends**

**Subject code:** F6.3

**Study**

VENTE 1996
Findings on Happiness and FRIENDSHIP

Reported in: Ventegodt, S.
Page in Report: 362,364

Population: 31-33 aged, Denmark 1993, born in University Hospital in Copenhagen

Sample: Non-probability chunk sample

Non-Response: 39%

N: 4500

Correlate

Authors label: talk with close friends

Our classification: Current contacts with friends, code F6.3

Measurement: Single question:
"Do you have a friend with whom you can talk about everything - and do ?"
1: no
2: not sure
3: yes

Measured Values: N women: All:2448; %:1:10,9; 2:12,0; 3:77,1 M men: All:2103; %: 1:18,8; 2:19,6; 3:61,6

Observed Relation with Happiness

Happiness Measure

Statistics Elaboration/Remarks
A-AOL/m/sq/v/5/a r=+.19 women:
p<.00 1: Mt=6.80
2: Mt=7.19
3: Mt=7.93

A-AOL/m/sq/v/5/a men:
1: Mt=7.06
2: Mt=7.54
3: Mt=8.06

Findings on Happiness and FRIENDSHIP

O-SLu/c/sq/v/5/e
women:
1: Mt=6.40
2: Mt=6.91
3: Mt=7.69

O-SLu/c/sq/v/5/e
men:
1: Mt=6.56
2: Mt=7.15
3: Mt=7.71

O-HL/c/sq/v/5/h
women:
1: Mt=6.21
2: Mt=6.55
3: Mt=7.29

O-HL/c/sq/v/5/h
men:
1: Mt=6.28
2: Mt=6.70
3: Mt=7.24

Correlational finding on Happiness and Current contacts with friends
Subject code: F6.3

Study VENTE 1996

Reported in: Ventegodt, S.
Liskvalitet hos 4500 31-33-arige. (The Quality of Life of 4500 31-33-Years-Olds).
Page in Report: 366

Population: 31-33 aged, Denmark 1993, born in University Hospital in Copenhagen

Sample: Non-probability chunk sample

Non-Response: 39%

N: 4500

Correlate
Findings on Happiness and FRIENDSHIP

Authors label: relations with friends

Our classification: Current contacts with friends, code F6.3

Measurement: Single question:
"How are your current relations with your friends?"
1: very bad
2: bad
3: neither/nor
4: good
5: very good

Measured Values: N: All:4473; %: 1:0,2; 2:0,8; 3:9,0; 4:51,6; 5:38,4

Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks

A-AOL/m/sq/v/5/a r=+.26 1: Mt=4.55
                      p<.00 2: Mt=5.58
                      3: Mt=6.43
                      4: Mt=7.66
                      5: Mt=8.25

O-SLu/c/sq/v/5/e 1: Mt=2.73
                      2: Mt=4.86
                      3: Mt=6.10
                      4: Mt=7.33
                      5: Mt=7.99

O-HL/c/sq/v/5/h 1: Mt=4.78
                      2: Mt=5.14
                      3: Mt=5.89
                      4: Mt=6.91
                      5: Mt=7.54

Correlational finding on Happiness and Current contacts with friends
Subject code: F6.3

Study WILKE 1978/1
Findings on Happiness and FRIENDSHIP

Page in Report: 221

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

Sample:
Non-Response: 12%
N: 1423

Correlate

Authors label: Contact with friends (1)

Our classification: Current contacts with friends, code F6.3

Measurement:
1: less than once a week
2: once or more times a week
3: daily

Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks

O-SLW/u/sqt/v/7/a r=+.11 β controlled for 1+2+3+4+5 :
p<.05

O-SLW/u/sqt/v/7/a Beta=+.08
p<.05

β in different age groups:
under 30: +.00 (ns) 30-49 : +.18 (05) 50-64 : +.10 (05) over 64 : +.03 (ns)
**Correlational finding on Happiness and Current contacts with friends**

**Subject code: F6.3**

**Study**

WILKE 1978/2


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

*Sample:*

*Non-Response:*

*N:* 534

**Correlate**

*Authors label:* Contact with friends (1)

*Our classification:* Current contacts with friends, code F6.3

*Measurement:* Single direct question:
1: less than once a week
2: once or more times a week
3: daily

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
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</tr>
</thead>
</table>
Findings on Happiness and FRIENDSHIP

\[ \beta = +0.05 \text{ ns} \]

\( \beta \) controlled for education, occupation, income, live alone, married status, contact with relatives, church attendance, organization membership, separated / divorced, retired, widowed, place of residence, sexe, age.

---

**Correlational finding on Happiness and Current contacts with friends**

**Subject code: F6.3**

**Study**

WINKE 2006B

*Reported in:* Winkelmann, R.
Unemployment, Social Capital, and Subjective Well-Being.
Discussion Paper, IZA, 2006, no. 2346, Bonn, Germany
Page in Report: 20

*Population:* Employed, who fell unemployed, Germany 1984-2004

*Sample:* Probability stratified sample

*Non-Response:*

\[ N = 5536 \]

**Correlate**

*Authors label:* Active social life

*Our classification:* Current contacts with friends, code F6.3

*Measurement:* Attending at least once a week (yes or no) in:

- a Cultural events
- b Entertainment events
- c Sport
- d Visiting friend, relative
- e Voluntary work
- f Church services

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>

Findings on Happiness and FRIENDSHIP

<table>
<thead>
<tr>
<th>Event</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attending cultural events</td>
<td>+,370</td>
<td>+,614</td>
</tr>
<tr>
<td>Attending entertainment events</td>
<td>-,101</td>
<td>-,068</td>
</tr>
<tr>
<td>Sport</td>
<td>+,427</td>
<td>+,502</td>
</tr>
<tr>
<td>Visiting friend, relative</td>
<td>+,224</td>
<td>+,374</td>
</tr>
<tr>
<td>Engaging in voluntary work</td>
<td>+,155</td>
<td>+,186</td>
</tr>
<tr>
<td>Attending church services</td>
<td>+,212</td>
<td>+,350</td>
</tr>
</tbody>
</table>

B's controlled for
- sex
- nationality
- age
- marital status
- education
- East/West-germany

B denotes points difference in happiness on scale 0–10

Correlational finding on Happiness and Current contacts with friends

Subject code: F6.3

Study

WONG 1985

Reported in: Wong, N.W.
Effects of Individual Sources of Support on Well-Being in Employed Parents.
PhD Dissertation, University of Michigan, 1985, USA
Page in Report: 50,67,74,133,138

Population: Working parents with children <16, USA, 1984

Sample: Non-probability purposive sample

Non-Response: 59-79%
Findings on Happiness and FRIENDSHIP

N: 651

Correlate

Authors label: Support from Friends, Neighbors and Relatives

Our classification: Current contacts with friends, code F6.3

Measurement: Think back to your experiences as a working parent over the last two months. How have your friends, neighbors and relatives helped you to manage? How often in the past two months did friends, neighbors and relatives do each of the following?

Verbal support:
- a. Shared ideas or advice.
- b. Listened to my problems.
- c. Was understanding or sympathetic.
- d. Helped me to figure out how to solve a problem.

Instrumental support:
- a. Handled child's sickness or other emergency.
- b. Took care of some of my responsibilities when I was especially tired or busy.
- c. Took care of children before or after school.

Rated: 1 = Never, 2 = Rarely, 3 = Sometimes, 4 = Often, 5 = Very often, 8 = not applicable

Measured Values: Married Fathers: M=1.9, SD=.69, Married Mothers M = 2.4 SD = .76, Single Mothers M=2.6 SD=.82

Error Estimates: alpha=.83 Verbal support: alpha=.89, Instrumental support alpha = .71

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=-.13 ns</td>
<td>Married fathers</td>
</tr>
<tr>
<td>O-SLW/u/sq/v/4/i</td>
<td>r=+.33 ns</td>
<td></td>
</tr>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=+.03 ns</td>
<td>Married Mothers</td>
</tr>
</tbody>
</table>
Findings on Happiness and FRIENDSHIP

O-SLW/u/sq/v/4/i  r=+.03  ns
O-HL/c/sq/v/3/aa  r=+.07  ns

O-SLW/u/sq/v/4/i  Beta= ns  Single Mothers
O-HL/c/sq/v/3/aa  Beta= ns  Married Fathers

O-SLW/u/sq/v/4/i  Beta= ns
O-HL/c/sq/v/3/aa  Beta= ns  Married Mothers

O-SLW/u/sq/v/4/i  Beta= ns
O-HL/c/sq/v/3/aa  Beta= ns  Single Mothers

O-SLW/u/sq/v/4/i  Beta= ns  Beta's controlled for:
- age
- education
- income
- organization (place of employment)
- stress
- support from spouse
- support from co-workers
- support from supervisors

O-HL/c/sq/v/3/aa  B= ns  Married fathers
O-SLW/u/sq/v/4/i  B= ns
O-HL/c/sq/v/3/aa  B= ns  Married Fathers

O-SLW/u/sq/v/4/i  B= ns
O-HL/c/sq/v/3/aa  B= ns  Married Mothers

O-SLW/u/sq/v/4/i  B= ns
Findings on Happiness and FRIENDSHIP

O-HL/c/sq/v3/aa  B=ns  Single Mothers

O-SLW/u/sq/v4/i  B=ns  B's additionally controlled for:
- resentment of spouse,
- resentment of friends/neighbors/relatives
- resentment of co-workers and supervisor

Correlational finding on Happiness and Current contacts with friends
Subject code: F6.3

Study  WONG 1985

Page in Report: 50,133,138,141,143

Population: Working parents with children <16, USA, 1984
Sample: Non-probability purposive sample
Non-Response: 59-79%
N: 651

Correlate

Authors label: Resentment from Friends, Neighbors and Relatives
Our classification: Current contacts with friends, code F6.3

Measurement: Think back to your experiences as a working parent over the last two months. How have your friends, neighbors and relatives helped you to manage? How often in the past two months did friends, neighbors and relatives do each of the following?
1. Held my job responsibilities against me. 2. Showed resentment of my needs as a working parent. 3. Was critical of my efforts to combine work and family.
Rated: 1= Never, 2 = Rarely, 3 = Sometimes, 4 = Often, 5 = Very Often, 8 = Not Applicable
Findings on Happiness and FRIENDSHIP

**Measured Values:**  Married Fathers: M=1.2, SD=.45, Married Mothers M = 1.4 SD = .62, Single Mothers M=1.6 SD = .81

**Error Estimates:**  alpha = .78

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=-.26</td>
<td>Married Fathers</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
<tr>
<td>O-SLW/u/sq/v/4/i</td>
<td>r=-.08</td>
<td>ns</td>
</tr>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=-.10</td>
<td>Married Mothers</td>
</tr>
<tr>
<td>O-SLW/u/sq/v/4/i</td>
<td>r=-.02</td>
<td>ns</td>
</tr>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=-.13</td>
<td>Single Mothers</td>
</tr>
<tr>
<td>O-SLW/u/sq/v/4/i</td>
<td>r=+0.10</td>
<td>ns</td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Current contacts with friends**

Subject code: F6.3

Study  
ZUMA 1989


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

Sample:

Non-Response:  ?

N: 2100
Correlate

Authors label: Frequency of meeting friends (1)

Our classification: Current contacts with friends, code F6.3

Measurement: Question: 'How many times do you meet your best friend or your best girl-friend?'
1 hardly ever 5 nearly every day
Coding reversed by us. Signs of correlations reversed accordingly.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/n/11/ba</td>
<td>SNR=</td>
<td>eta</td>
</tr>
<tr>
<td></td>
<td></td>
<td>G</td>
</tr>
<tr>
<td></td>
<td></td>
<td>r</td>
</tr>
<tr>
<td></td>
<td></td>
<td>$\beta$</td>
</tr>
<tr>
<td>1978</td>
<td>+.09</td>
<td>+.09</td>
</tr>
<tr>
<td>1980</td>
<td>+.09</td>
<td>+.09</td>
</tr>
<tr>
<td>1984</td>
<td>+.09</td>
<td>+.07</td>
</tr>
<tr>
<td>1988</td>
<td>+.06</td>
<td>+.06</td>
</tr>
</tbody>
</table>

$\beta$'s controlled for age, gender, perceived class and marital status.

Correlational finding on Happiness and Visits to friends
Subject code: F6.3.1

Study CSIKS 2003
Findings on Happiness and FRIENDSHIP

Reported in: Csikszentmihalyi, M.; Hunter, J.
Page in Report: 193

Population: Teenagers, USA, 1998

Sample: Non-probability purposive sample

Non-Response:
N: 828

Correlate

Authors label: Socializing with friends

Our classification: Visits to friends, code F6.3.1

Measurement: % time socializing with friends when beeped

Remarks: Participants were beeped at random moments eight times a day from 7:30 am to 10:30 pm for one week. At each beep they answered questions about:
a: what activity they were doing on the moment
b: whom they were with
c: how they felt at that moment (various feelings, one of which happiness)

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/mi/sqr/n7/a</td>
<td>Beta=+</td>
<td>Beta controlled for</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- age</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- gender</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- SES</td>
</tr>
<tr>
<td></td>
<td>t=+2.6</td>
<td>p&lt;.009</td>
</tr>
<tr>
<td>A-ARE/mi/sqr/n7/a</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Correlational finding on Happiness and Visits to friends

**Subject code: F6.3.1**

<table>
<thead>
<tr>
<th>Study</th>
<th>PALIS 1983</th>
</tr>
</thead>
</table>


**Population:** Males, metropolitan areas England, USA, Australia, 1977-1980

**Sample:**

- **Non-Response:** 67%
- **N:** 752

#### Correlate

**Authors label:** Visit friends (1)

**Our classification:** Visits to friends, code F6.3.1

**Measurement:** Single direct question on how frequently (daily or never) one visits friends

#### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cw/mq/v/2/a</td>
<td>r=+.23</td>
<td>London</td>
</tr>
<tr>
<td>A-BB/cw/mq/v/2/a</td>
<td>rpc= +.12 ns</td>
<td></td>
</tr>
<tr>
<td>A-BB/cw/mq/v/2/a</td>
<td>r=+.08</td>
<td>Los Angeles</td>
</tr>
<tr>
<td>A-BB/cw/mq/v/2/a</td>
<td>rpc= +.18</td>
<td>p&lt;.05</td>
</tr>
</tbody>
</table>
Findings on Happiness and FRIENDSHIP

A-BB/cw/mq/v/2/a  \( r = +0.12 \)  Sydney

A-BB/cw/mq/v/2/a  \( r_p c = +0.24, p < 0.001 \)

Controlled for: Neighborhood (centre or suburb), type of house (single family home or not), marital status, education, native born or not, and age.

Correlational finding on Happiness and Visits to friends
Subject code: F6.3.1

Study  
PALIS 1986A

Reported in: Palisi, B.J.  
Friendship in Three Metropolitan Areas: Cross-Cultural Evidence of Its Voluntariness.  
Page in Report: 75


Sample:
Non-Response: 67%
N: 752

Correlate

Authors label: Visiting friends (1)

Our classification: Visits to friends, code F6.3.1

Measurement: Single direct question on how frequently (daily to never) respondents visit with friends in either's home.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-FH/cm/sq/v/4/a</td>
<td>( r = +0.08 ) ns</td>
<td>London</td>
</tr>
</tbody>
</table>

### Findings on Happiness and FRIENDSHIP

- **London**
  - A-BB/cm/mq/v/2/a: $r = +.08$, **ns**
  - M-FH/cm/sq/v/4/a: $rpc = +.13$, $p < .05$

- **Los Angeles**
  - A-BB/cm/mq/v/2/a: $r = +.12$, $p < .05$
  - M-FH/cm/sq/v/4/a: $r = +.10$, $p < .05$
  - A-BB/cm/mq/v/2/a: $r = +.12$, $p < .05$
  - M-FH/cm/sq/v/4/a: $rpc = +.07$, $p < .01$

- **Sydney**
  - A-BB/cm/mq/v/2/a: $r = +.23$, $p < .001$
  - M-FH/cm/sq/v/4/a: $r = +.09$, **ns**
  - A-BB/cm/mq/v/2/a: $rpc = +.23$, $p < .001$
  - M-FH/cm/sq/v/4/a: $rpc = +.13$, **ns**

Rpc controlled for: marital status, education and age.

---

**Correlational finding on Happiness and Visits to friends**  
**Subject code: F6.3.1**

**Study**  
POWDT 2007
Findings on Happiness and FRIENDSHIP

Reported in: Powdthavee N.
Putting a Price Tag on Friends, Relatives, and Neighbours: Using Surveys of Life Satisfaction to Value Social Relationships
Page in Report: 33, 34, 39

Population: 16-65 aged, followed 6 years, Great-Britain, 1997-2003
Sample: Probability stratified sample
Non-Response: n.a.
N: 54424

Correlate

Authors label: Meeting friends and relatives
Our classification: Visits to friends, code F6.3.1
Measurement: How often do you meet friends or relatives who are not living with you, whether here at your home or elsewhere?
1 Never and Less often than once a month
2 Once or twice a month
3 Once or twice a week
4 On most days

Measured Values: Range=a-d:1-4 M=3,31 SD=0,94 Frequencies in %: All Men Women Age<=30 Age>30 1: 2 3 2 1 3 2: 11 12 9 6 13 3: 40 42 39 31 44 4: 47 43 50 62 40

Remarks: Due to a small number of respondents Less often than once a month is considered as Never

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/n/7/e</td>
<td>B=+.21</td>
<td>2 Once or twice a month (vs. 1)</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
<tr>
<td>O-SLW/u/sq/n/7/e</td>
<td>B=+.30</td>
<td>3 Once or twice a week (vs. 1)</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness and FRIENDSHIP

O-SLW/u/sq/n/7/e  B=+.38  p<.01

On most days (vs. 1)

B's controlled for:
- frequency of talking to neighbours
- gender
- age
- socioeconomic variables:
  - real household income
  - marital status
  - employment status
  - look after home
  - health status
  - education level
  - household size
  - home ownership
  - days spent in hospital
  - number of children

Robust OLS. Ordered Probit analysis and ordered probit analysis without socioeconomic variables yield similar results

Correlational finding on Happiness and Visits to friends
Subject code: F6.3.1

Study WINKE 2006B

Reported in: Winkelmann, R.
Unemployment, Social Capital, and Subjective Well-Being.
Discussion Paper, IZA, 2006, no. 2346, Bonn, Germany
Page in Report: 20

Population: Employed, who fell unemployed, Germany 1984-2004

Sample: Probability stratified sample

Non-Response:

N: 5536

Correlate

Authors label: Active social life

Our classification: Visits to friends, code F6.3.1
### Findings on Happiness and FRIENDSHIP

**Measurement:** Attending at least once a week (yes or no) in:
- Cultural events
- Entertainment events
- Sport
- Visiting friend, relative
- Voluntary work
- Church services

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/n/11/d</td>
<td>B=+</td>
<td>Male: +370  Female: +614</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Attending cultural events</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/11/d</td>
<td>B=-</td>
<td>Male: -101  Female: -068</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Attending entertainment events</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/11/d</td>
<td>B=+</td>
<td>Male: +427  Female: +502</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sport</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/11/d</td>
<td>B=+</td>
<td>Male: +224  Female: +374</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Visiting friend, relative</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/11/d</td>
<td>B=+</td>
<td>Male: +155  Female: +186</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Engaging in voluntary work</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/11/d</td>
<td>B=+</td>
<td>Male: +212  Female: +350</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Attending church services</td>
</tr>
</tbody>
</table>

B's controlled for:
- sex
- nationality
- age
- marital status
- education
- East/West-germany

B denotes points difference in happiness on scale 0-10

---

**Correlational finding on Happiness and Telephone calls with friends**

Subject code: F6.3.2

Study BRADB 1965/1


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

Sample:

Non-Response: -

N: 2006

Correlate

Authors label: Telephone contacts with friends (1)

Our classification: Telephone calls with friends, code F6.3.2

Measurement: Closed question rated on a 6-point scale: none / less than one a day / once a day or more.

Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks

A-BB/cw/mq/v/4/e G = + Index of Positive Affects only: G' = +.22 (01) U-shaped curve: Those with less than 1 telephone contact a day having most positive feelings.

Lower among high S.E.S : G' = +.12 (ns) Stronger among low S.E.S. : G' = +.26 (ns)

Correlational finding on Happiness and Telephone calls with friends

Subject code: F6.3.2

Study BRADB 1969
Findings on Happiness and FRIENDSHIP

Reported in: Bradburn, N.M.
The Structure of Psychological Well-Being.
Aldine Publishing, 1969, Chicago, USA

Page in Report:

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

Sample:

Non-Response: ± 20%, Attrition ± 30%

N: 2787

Correlate

Authors label: Chatting with friends on telephone (1)

Our classification: Telephone calls with friends, code F6.3.2

Measurement: Direct question on how many times a day during the past few weeks, rated on a 6-point scale.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v2/a</td>
<td>G =+</td>
<td>Data T1. Not computed for summed ABS. Index of Positive Affects: G = +.20 Index of Negative Affects: G = +.08</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Telephone calls with friends
Subject code: F6.3.2

Study

PAYNE 1974

Reported in: Payne, R.L.
N.M. Bradburn's Measures of Psychological Well-Being: An Attempt at Replication.
M.C.R. Social and Applied Psychology Unit, Department of Psychology University of Sheffield, 1974, UK
Page in Report: 17
Findings on Happiness and FRIENDSHIP

**Population:** Employed males, supervising jobs, England, 197?

**Sample:**

**Non-Response:** 4% incomplete.

**N:** 192

---

**Correlate**

**Authors label:** Talking with friend on telephone. (1)

**Our classification:** Telephone calls with friends, code F6.3.2

**Measurement:** Direct question on number of times per day, rated on a 5-point scale ranging from 'none' to '4 or more'.

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/5/a</td>
<td>G =</td>
<td>Index of Positive Affects: G = -0.08</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Index of Negative Affects: G = -0.21</td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Attendance of parties**

**Subject code: F6.3.3**

**Study**

ALEXA 1968

**Reported in:**
Alexander, W.E.
Unpublished doctoral dissertation, 1968, Syracuse University, USA
Page in Report: 153

**Population:** Schizophrenic males non-hospitalized, Monroe County, New York, USA, 1964-65

**Sample:**

**Non-Response:** 28%, most of them patients' or family member refusal

**N:** 178
## Correlate

**Authors label:** Attending parties (1)

**Our classification:** Attendance of parties, code F6.3.3

**Measurement:** Direct question: never / once a month or less / more than once a month

## Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cw/mq/v/4/f</td>
<td>G = +</td>
<td>Index of Positive Affects only: G = +.28 (05)</td>
</tr>
</tbody>
</table>

### Correlational finding on Happiness and Attendance of parties

**Subject code:** F6.3.3

**Study:** BULAT 1973

**Reported in:** Bulatao, R.A.
*Measures of Happiness among Manila Residents.*
*Philippine Sociological Review, 1973, Vol. 21, 229 - 238*
*Page in Report: 232*

**Population:** 21+ aged, general public, Metro Manila, Philippines, 1972

**Sample:**

**Non-Response:** -

**N:** 941
**Measurement:** Direct question: not at all / once / more than once in the past week.

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-BW/c/sq/l/11/a</td>
<td>G = +</td>
<td>Males : G = +.42</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Females : G = +.47</td>
</tr>
<tr>
<td>O-HL/c/sq/v/3/f</td>
<td>G = +</td>
<td>Males : G = +.19</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Females : G = +.53</td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Intimate discussions**

**Subject code: F6.3.5**

**Study**

*Reported in:* Palisi, B.J.  
*Friendship in Three Metropolitan Areas: Cross-Cultural Evidence of Its Voluntariness.*  
*Journal of Voluntary Action Research, 1986, Vol. 15, 67 - 78*  
*Page in Report: 75*

**Population:** Males, metropolitan areas: London, Los Angeles and Sydney, 1977-80

**Sample:***

*Non-Response:* 67%

*N:* 752

**Correlate**

**Authors label:** Discussions with friends (1)

**Our classification:** Intimate discussions, code F6.3.5

**Measurement:** Single direct question on how frequently (daily to never) respondents have intimate discussions with friends.
### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-FH/cm/sq/v/4/a</td>
<td>$r = -0.02$ ns</td>
<td>Los Angeles</td>
</tr>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>$r = +0.11$ ns</td>
<td>Los Angeles</td>
</tr>
<tr>
<td>M-FH/cm/sq/v/4/a</td>
<td>$r_{pc} = 0.06$ ns</td>
<td></td>
</tr>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>$r_{pc} = 0.12$ p&lt;0.05</td>
<td></td>
</tr>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>$r = +0.27$ p&lt;0.001</td>
<td>Sydney</td>
</tr>
<tr>
<td>M-FH/cm/sq/v/4/a</td>
<td>$r = +0.14$ p&lt;0.01</td>
<td>Sydney</td>
</tr>
<tr>
<td>M-FH/cm/sq/v/4/a</td>
<td>$r_{pc} = 0.15$ p&lt;0.01</td>
<td></td>
</tr>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>$r_{pc} = 0.30$ p&lt;0.001</td>
<td>Rpc controlled for: marital status, education and age.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>In London discussions with friends not measured.</td>
</tr>
</tbody>
</table>

### Correlational finding on Happiness and Intimate discussions

**Subject code: F6.3.5**

**Study**  
UGLAN 2006

*Reported in:*  
Uglanova, E.  
Page in Report: question 97

*Population:* 16+ aged, Russia, 1993
Sample: Probability multi-stage cluster sample

Non-Response: ?

N: 2018

Correlate

Authors label: Topics for discussion among friends

Our classification: Intimate discussions, code F6.3.5

Measurement: What the most often do your friends discuss when they get together?
   a household chores
   b children
   c prices, purchases, lines
   d work matters
   e TV programs, newspaper articles
   f politics
   g sport
   h common friends
   i women (men)
   j entertainments
   k other things
   - DK/NA

Measured Values: N = a: 46,8% b: 39,5% c: 58,9% d: 10,6% e: 27,9% f: 26,4% g: 4,5% h: 21,6% i:
   11,5% j: 9% k: 2,4% DK/NA: 4,2%

Observed Relation with Happiness

Happiness Measure | Statistics | Elaboration/Remarks
Findings on Happiness and FRIENDSHIP

<table>
<thead>
<tr>
<th>DM=</th>
<th>mentioned</th>
<th>not mentioned</th>
<th>differences</th>
</tr>
</thead>
<tbody>
<tr>
<td>a: M = 2,52</td>
<td>M = 2,52</td>
<td>0,00</td>
<td></td>
</tr>
<tr>
<td>b: M = 2,54</td>
<td>M = 2,50</td>
<td>+ 0,04</td>
<td></td>
</tr>
<tr>
<td>c: M = 2,45</td>
<td>M = 2,63</td>
<td>- 0,18</td>
<td></td>
</tr>
<tr>
<td>d: M = 2,55</td>
<td>M = 2,52</td>
<td>+ 0,03</td>
<td></td>
</tr>
<tr>
<td>e: M = 2,56</td>
<td>M = 2,51</td>
<td>+ 0,05</td>
<td></td>
</tr>
<tr>
<td>f: M = 2,58</td>
<td>M = 2,50</td>
<td>+ 0,08</td>
<td></td>
</tr>
<tr>
<td>g: M = 2,85</td>
<td>M = 2,51</td>
<td>+ 0,34</td>
<td></td>
</tr>
<tr>
<td>h: M = 2,51</td>
<td>M = 2,52</td>
<td>- 0,01</td>
<td></td>
</tr>
<tr>
<td>i: M = 2,62</td>
<td>M = 2,51</td>
<td>- 0,11</td>
<td></td>
</tr>
<tr>
<td>j: M = 2,69</td>
<td>M = 2,50</td>
<td>+ 0,19</td>
<td></td>
</tr>
<tr>
<td>k: M = 2,67</td>
<td>M = 2,52</td>
<td>+ 0,15</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Intimate discussions
Subject code: F6.3.5

Study UGLAN 2006

Reported in: Uglanova, E.
Data Independent Institute for Social Policy, 2006, Russia http://sofist.socpol.ru
Page in Report: question 97

Population: 16+ aged, Russia, 1993
Sample: Probability multi-stage cluster sample
Non-Response: ?
N: 2018

Correlate

Authors label: Variety of topics for discussion among friends
Our classification: Intimate discussions, code F6.3.5
Findings on Happiness and FRIENDSHIP

Measurement:

What the most often do your friends discuss when they get together?

a) household chores
b) children
c) prices, purchases, lines
d) work matters
e) TV programs, newspaper articles
f) politics
g) sport
h) common friends
i) women (men)
j) entertainments
k) other things
- DK/NA

Measured Values:  \( M = 2.59 \ SD = 0.9 \)

---

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/v/4/g</td>
<td>( r = 0.05 )</td>
<td>( p &lt; 0.20 )</td>
</tr>
</tbody>
</table>

---

Correlational finding on Happiness and Current friendship network
Subject code: F6.4

Study

HEADE 1993


Population: 18-65 aged, Victoria, Australia, followed every 2 years from 1981 to 1987

Sample: Probability stratified sample

Non-Response:

\( N = 419 \)
Findings on Happiness and FRIENDSHIP

Correlate

Authors label: Availability of friends

Our classification: Current friendship network, code F6.4

Measurement: Selfreport
Questions not reported

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-Sum/<em>/mg/</em>/0/a</td>
<td>r=+.22</td>
<td>p&lt;.05</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current friendship network
Subject code: F6.4

Study

ROSEN 1992


Population: 20-70 aged, chronic mental patients, USA, 1989

Sample: Non-probability purposive sample

Non-Response: 7%

N: 157

Correlate

Authors label: Social skills

Our classification: Current friendship network, code F6.4
Findings on Happiness and FRIENDSHIP

**Measurement:** Selfreport on questions related to: (6 items) e.g.
- help in relationships
- communicating
- developing trust
- increasing friends
- self-confidence in relating
Rated on a 3-point numerical scale

**Measured Values:** M=1.82

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/u/sqt/v/7/a</td>
<td>Beta=.18</td>
<td>Beta controlled for:</td>
</tr>
<tr>
<td></td>
<td>ns</td>
<td>- demographic characteristics:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- age</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- sex</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- education</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- race</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- number of negative events in the last year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- functioning in het area of:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- daily living skills</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- vocational skills</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- need for structure</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- need for supervision</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- social contacts</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- positive symptoms</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- negative symptoms</td>
</tr>
</tbody>
</table>

### Correlational finding on Happiness and Friends are friends

**Subject code: F6.4.2**

**Study**

*MOSER 1969*

*Reported in:* Moser-Peters, C.M.
Achtergronden van Geluksgevoelens. (Backgrounds of Happiness Feelings).
Nederlands Instituut voor Preventieve Geneeskunde (TNO), 1969, Leiden, Netherlands

*Population:* Adult, general public, Utrecht, city, The Netherlands, 1967
Findings on Happiness and FRIENDSHIP

Sample:

Non-Response: 14% unattainable etc.

N: 300

Correlate

Authors label: Relative closedness of circle of acquaintances. (1)

Our classification: Friends are friends, code F6.4.2

Measurement: Question: 'Do your friends and acquaintances also know each other?'
Response categories ranged from
1: no, practically none
   .
   .
5: yes, practically all

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/5/c</td>
<td>G =+.24</td>
<td>p &lt; .05</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Married friends

Subject code: F6.4.3

Study DEJON 1969

Reported in: De Jong-Gierveld, J.
             De Ongehuwden. (The Unmarried).
             Page in Report: 203

Population: 30-55 aged, general public, Amsterdam, The Netherlands, 1965

Sample: Non-Response: 31%;
Findings on Happiness and FRIENDSHIP

N: 600

Correlate

Authors label: Number of married people among 4 closest friends. (1)

Our classification: Married friends, code F6.4.3

Measurement: Direct questions.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SL/?/sq/v/5/a</td>
<td>r=+</td>
<td>Computed for never marrieds only.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Males: r = +.05</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Females: r = +.09</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Attitudes to friendship
Subject code: F6.6

Study

COSTA 1985

Reported in: Costa, P.T.; Zonderman, A.B.; McCrae, R.R.
Longitudinal Course of Social Support among Men in the Baltimore Longitudinal Study of Aging.
Page in Report: 142


Sample:

Non-Response: Attrition T1-T3: 82%

N: 196
Findings on Happiness and FRIENDSHIP

Authors label: Quantity and quality of friendships (1)
Our classification: Attitudes to friendship, code F6.6
Measurement: Obtained by factor analysis.
Factor consisting of 8 items.
Items with high loading:
"My many friends make my life happy and cheerful".
"I have more friends than I ever had before".
"How many friends do you have?"
Questions administered at T1.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-A/h/sq/v/3/a</td>
<td>r=+.29</td>
<td>Happiness assessed at T1</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Attitudes to friendship
Subject code: F6.6

Study LANCE 1989

Reported in: Lance C.E., Lautenschlager J.; Sloan C.E.; Varca P.E.
A Comparison Between Bottom-Up, Top-Down, and Bidirectional Models of Relationships Between Global and Life Facet Satisfaction.
Journal of Personality, 1989, Vol. 57, 601 - 624. ISSN 0022 3506
Page in Report: 607, 610

Population: Married academics, university of Georgia, USA, 1984
Sample: Non-probability accidental sample
Non-Response: 62%
N: 134

Correlate

Authors label: Support from friends
Our classification: Attitudes to friendship, code F6.6
Findings on Happiness and FRIENDSHIP

**Measurement:** Selfreport on single question:
As a source of personal and emotional support, how would you rate your friends?

Rated: 1=poor 9=excellent

**Measured Values:** Mean 6.74 SD 1.63

**Error Estimates:** three-week retest r=+.80

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLu/u/sq/n/5/a</td>
<td>r=+.28</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Concern about friends**

*Subject code: F6.6.1*

**Study**

*Reported in:* Man, P.


*Sample:* Non-probability chunk sample

*Non-Response:* N: 1906

---

**Correlate**

*Authors label:* peer orientation

*Our classification:* Concern about friends, code F6.6.1
Findings on Happiness and FRIENDSHIP

Measurement: Peer orientation index consisting of 6 items as to the degree to which the adolescent feels attached to his peers.

Measured Values: Range 4-22. Tricholomized into 4-9 (low), 10-13 (medium) and 14-22 (high).

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/?/sq/n/7/a</td>
<td>DM=+</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Grade 1</td>
<td>Grade 4</td>
</tr>
<tr>
<td>Low</td>
<td>M= 4.16</td>
<td>3.78</td>
</tr>
<tr>
<td>Medium</td>
<td>M= 4.03</td>
<td>3.83</td>
</tr>
<tr>
<td>High</td>
<td>M= 3.86</td>
<td>3.68</td>
</tr>
<tr>
<td>All</td>
<td>M= 4.00</td>
<td>3.76</td>
</tr>
</tbody>
</table>

Significant (.05) in grade 1 (young), not significant in grade 4 (older)

Correlational finding on Happiness and Satisfactions with friends

Subject code: F6.6.2

Study ABRAM 1972


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

Sample: Non-Response:

N: 213

Correlate

Authors label: Satisfaction with one's friendship (1)
Findings on Happiness and FRIENDSHIP

**Our classification:** Satisfactions with friends, code F6.6.2

**Measurement:** Closed question rated on an 11-point self-anchoring scale, based on Cantril (1965)

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/l/11/b</td>
<td>$r=+.08$</td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**

**ANDRE 1976/1**

*Reported in:* Andrews, F.M.; Withey, S.B.
Social Indicators of Well-being: Americans’ Perceptions of Life Quality
Page in Report: 112

**Population:** 18+ aged, general public, non-institutionalized, USA, 1972/75

**Sample:** Non-Response: 24%

**N:** 1297

---

**Correlate**

**Authors label:** Satisfaction with social contacts and friends (1)

**Our classification:** Satisfactions with friends, code F6.6.2

**Measurement:** Index of questions: "How do you feel about....?"
1. social contacts
2. the time spent with friends.
Rated on a 7-point scale: terrible/unhappy/mostly dissatisfied/mixed/mostly satisfied/pleased/delighted
### Findings on Happiness and Friendship

#### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/u/sqt/v/7/a</td>
<td>$E^2=+.34$</td>
<td>Unaffected by sex</td>
</tr>
</tbody>
</table>

#### Correlational finding on Happiness and Satisfactions with friends

**Subject code: F6.6.2**

**Study**


**Page in Report:** 112

**Population:** 18+ aged, general public, non institutionalized, USA, 1972/11

**Sample:**

- **Non-Response:** 38%
- **N:** 1072

**Correlate**

- **Authors label:** Satisfaction with friends (1)
- **Our classification:** Satisfactions with friends, code F6.6.2
- **Measurement:** Closed question: "How do you feel about the things you do and the times you have with your friends?"
  Rated on a 7-point scale: terrible/ unhappy/ mostly dissatisfied/ mixed/ mostly satisfied/ pleased/ delighted

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/u/sqt/v/7/a</td>
<td>$E^2=+.36$</td>
<td></td>
</tr>
</tbody>
</table>
Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study

<table>
<thead>
<tr>
<th>Study</th>
<th>ANDRE 1976/5</th>
</tr>
</thead>
</table>

Reported in: Andrews, F.M.; Withey, S.B.
Social Indicators of Well-being: Americans' Perceptions of Life Quality
Page in Report: 112

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

Sample:

Non-Response:

N: 222

Correlate

Authors label: Satisfaction with friends (1)

Our classification: Satisfactions with friends, code F6.6.2

Measurement: 3-item index containing satisfaction with the people one sees socially, with one's friends, and with the things one does and the times one has with friends: "How do you feel about...?"
Rated on a 7-point scale: terrible/ unhappy/ mostly dissatisfied/ mixed/ mostly satisfied/ pleased/ delighted

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/u/sqt/v/7/a</td>
<td>r=+.46</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study

<table>
<thead>
<tr>
<th>Study</th>
<th>AUSTR 1984/2</th>
</tr>
</thead>
</table>
Findings on Happiness and FRIENDSHIP

Reported in: Austrom, D.R.
The Consequences of Being Single.
Peter Lang Publisher, 1984, New York, USA ISBN 0 8204 0095 5
Page in Report: 109/134

Population: 23-59 aged English speaking, Toronto and Ontario, Canada, 198?

Sample:
Non-Response: 45%
N: 1038

Correlate

Authors label: Satisfaction with friendships (1)
Our classification: Satisfactions with friends, code F6.6.2
Measurement: Single closed question: All things considered, how satisfied or dissatisfied are you with your friendships (the number of friends you have, the type of people they are, the things you do together). Rated on a 11-point scale ranging from completely dissatisfied to completely satisfied.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>
| O-SLW/u/sq/n11/a  | r=+.47     | ALL Ss (married (including not formally married cohabitating Ss (considered as married) and non-married):

β = +.18 after control for: gender, age, household income, marital status, being in love, desire to change dating pattern or marital status, locus of control, social support (1. instrumental: problems managing money, problems deciding how to spend money, not enough money to do things, unsatisfying job, not enough money to get by on; 2. expressive: having no close companions, having no one to depend on, unsatisfactory sex life, problems communicating, dissatisfied with marital status, having not enough close friends, having no one to show love/affection, too dependent on others, not having children, having no one to
understand problems; 3. interpersonal demands: having too many responsibilities, having no one to depend on, too many demands on time, problems communicating, problems with children, problems with spouse/ex-spouse, conflicts with those who are close), and satisfaction with: job and financial situation and love relationships.

NON-MARRIED Ss ONLY:

- males: \( r = +.48 \), \( \beta = +.27 \)
- females: \( r = +.42 \), \( \beta = +.10 \)

Beta's controlled for the same variables as above, except marital status and gender.

---

**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**

BACH 1993

*Reported in:* Bach J.R., Tilton M.C
Life Satisfaction and Well-Being Measures in Ventilator Assisted Individuals With traumatic Tetraplegia
Page in Report: 626-629

*Population:* Tetraplegia patients and controls, USA, 1985

*Sample:* Non-probability purposive sample

*Non-Response:* 40%

*N:* 87

**Correlate**

*Authors label:* Satisfaction with social life

*Our classification:* Satisfactions with friends, code F6.6.2
Findings on Happiness and FRIENDSHIP

**Measurement:** Self report on single question:
1 completely dissatisfied
7 completely satisfied

**Measured Values:**
- Patients ventilator assist: M = 4.48 SD = 1.99
- Patients autonoom breathing: M = 4.36 SD = 1.93
- Healthy controls: M = 5.36 SD = 1.39

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/n/7/a</td>
<td>r=+.56</td>
<td>Patients ventilator assisted</td>
</tr>
<tr>
<td></td>
<td>p&lt;.001</td>
<td></td>
</tr>
<tr>
<td>O-SLW/u/sq/n/7/a</td>
<td>r=+.73</td>
<td>Patients autonoom breathing</td>
</tr>
<tr>
<td></td>
<td>p&lt;.001</td>
<td></td>
</tr>
<tr>
<td>O-SLW/u/sq/n/7/a</td>
<td>r=+.50</td>
<td>Healthy controls</td>
</tr>
<tr>
<td></td>
<td>p&lt;.001</td>
<td></td>
</tr>
</tbody>
</table>

**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**

**BAKER 1976**


**Population:** 55+ aged males, USA, 1971

**Sample:**

**Non-Response:**

N: 200
Findings on Happiness and FRIENDSHIP

Authors label: Satisfaction with friendships (2)

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Question: How satisfied are you with your friendships? Rated on 7 point scale ranging from 'completely dissatisfied' to 'completely satisfied'.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/v/7/a</td>
<td>r=+.30</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Satisfactions with friends

Subject code: F6.6.2

Study

BAKER 1976


Page in Report: 63

Population: 55+ aged males, USA, 1971

Sample:

Non-Response:

N: 200

Correlate

Authors label: Satisfaction with friendships (1)

Our classification: Satisfactions with friends, code F6.6.2
Findings on Happiness and FRIENDSHIP

Measurement:
Question: How much satisfaction do you get from your friendships?
Rated on 7 point scale ranging from 'completely dissatisfied' to 'completely satisfied'.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/v/7/a</td>
<td>r=+.16</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study
BAKER 1976

Reported in: Baker, E.K.
Relationship of Retirement and Satisfaction with Life Events to Locus of Control.
Unpublished PhD Dissertation, University of Wisconsin, 1976, Madison, USA
Page in Report: 63

Population: 55+ aged males, USA, 1971

Sample:

Non-Response:

N: 200

Correlate

Authors label: Satisfaction with friendships (1)

Our classification: Satisfactions with friends, code F6.6.2

Measurement:
Question: How much dissatisfaction do you get from your friendships?
Rated on 7 point scale ranging from 'completely dissatisfied' to 'completely satisfied'.
Correlational finding on Happiness and Satisfactions with friends  
**Subject code: F6.6.2**

<table>
<thead>
<tr>
<th>Study</th>
<th>BAKKE 1974</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Page in Report:</em></td>
<td>27</td>
</tr>
<tr>
<td><em>Sample:</em></td>
<td></td>
</tr>
<tr>
<td><em>Non-Response:</em></td>
<td>34% refusal and unattainable.</td>
</tr>
<tr>
<td><em>N:</em></td>
<td>1552</td>
</tr>
</tbody>
</table>

**Correlate**

| Authors label: | Satisfaction with friends. (1) |
| Our classification: | Satisfactions with friends, code F6.6.2 |
| Measurement: | Closed question rated on an open graphic scale ranging from 'very dissatisfied' to 'very satisfied'. |

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/g/sq/ol/7/a</td>
<td>G =+.59</td>
<td>Unaffected by age and sex.</td>
</tr>
<tr>
<td><em>p</em> &lt;.05</td>
<td>Lower among medium S.E.S.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stronger among low educational level.</td>
<td></td>
</tr>
</tbody>
</table>
Correlational finding on Happiness and Satisfactions with friends

**Subject code: F6.6.2**

**Study**

*Reported in:* Balatsky, G.; Diener, E.  
Subjective Well-Being among Russian Students.  
Social Indicators Research, 1993, Vol. 28, 225 - 243 ISSN p 0303 8300; ISSN e 1573 0921 DOI:10.1007/BF01079019  
Page in Report: 235

*Population:* Students, Moscow and Glazov (Ural), Russia, 1990

*Sample:* Non-probability chunk sample

*Non-Response:* not reported

*N:* 116

**Correlate**

*Authors label:* Satisfaction with friendships (1)

*Our classification:* Satisfactions with friends, code F6.6.2

*Measurement:* Single question: "How do you feel about your friendships right now?".  
Rated on 7-point scale from:  
1. Terrible ........ to  
7. Delighted.

*Measured Values:* M = 5.04; SD = 1.36

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>r = +.17</td>
<td>ns</td>
</tr>
<tr>
<td>O-DT/c/sq/v/7/b</td>
<td>r = +.12</td>
<td>ns</td>
</tr>
</tbody>
</table>
Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study BECKE 1984

Reported in: Becker, J.W.; Vink, R.
Werkelozen, Arbeidsongeschikten en Werkenden Vergeleken. (A Comparison between the Unemployed, Disabled Workers and the Employed).
Social and Cultural Planning Office, 1984, Rijswijk, Netherlands
Page in Report: V576

Population: 18-64 aged, general public, The Netherlands, 1982

Sample: Probability multi-stage cluster sample

Non-Response: 68-94%

N: 465

Correlate

Authors label: Satisfaction with friends (1)

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Single question:
"To what extent are you satisfied with your friends and acquaintances?"
0=very dissatisfied
1=dissatisfied
2=neither satisfied nor dissatisfied
3=satisfied
4=very satisfied

Measured Values: M=1.9645 SD=0.6718

Observed Relation with Happiness

Happiness Measure | Statistics | Elaboration/Remarks
---|---|---
O-SLW/c/sq/v/5/n | r=+.23 | working
p<.000
Findings on Happiness and FRIENDSHIP

r = +0.29
p < 0.000

O-SLW/c/sq/v/5/n unemployed

r = +0.26
p < 0.000

O-SLW/c/sq/v/5/n disabled

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study BERNO 1985

Reported in: Bernow, R
Livskvaliteten i Sverige. (Lifequality in Sweden)
Page in Report: 39

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

Sample:
Non-Response: ?
N: 1558

Correlate

Authors label: Satisfaction with time with friends and acquaintances (1)
Our classification: Satisfactions with friends, code F6.6.2
Measurement:

Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks

O-SLW/c/sqt/v/7/a r = +0.46
Subject code: F6.6.2

Study BERNO 1985

Reported in: Bernow, R
Livskvaliteten i Sverige. (Lifequality in Sweden)
Page in Report: 39

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

Sample:
Non-Response: ?
N: 1558

Correlate

Authors label: Satisfaction with things done with friends/acquaint. (1)
Our classification: Satisfactions with friends, code F6.6.2
Measurement: Single direct question

Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks
O-SLW/c/sqt/v/7/a r=+.43

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study BERNO 1985

Reported in: Bernow, R
Livskvaliteten i Sverige. (Lifequality in Sweden)
Page in Report: 40
Findings on Happiness and FRIENDSHIP

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

Sample:

Non-Response: ?

N: 1558

Correlate

Authors label: Satisfaction with circle of friends (1)

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Single direct question

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sqt/v/7/a</td>
<td>r=+.43</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Satisfactions with friends

Subject code: F6.6.2

Study

BRANH 1991


Sample: Probability stratified sample

Non-Response:

N: 163
Findings on Happiness and FRIENDSHIP

Correlate

Authors label: Satisfaction with contacts with friends and acquaintances (1)

Our classification: Satisfactions with friends, code F6.6.2

Measurement: How satisfactory is this aspect of your life?......
Contacts with friends and acquaintances.
1 very dissatisfying
2 dissatisfying
3 rather dissatisfying
4 rather satisfying
5 satisfying
6 very satisfying

Observed Relation with Happiness

Happiness Measure | Statistics     | Elaboration/Remarks
---               | ---            | ---
O-SLW/u/sq/v/6/a | rs=.+34        | p<.001

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study

CAMPB 1981


Population: 18+ aged, general public, non-institutionalized USA, 1978

Sample:

Non-Response: about 20 %

N: 3692
Findings on Happiness and FRIENDSHIP

**Our classification:** Satisfactions with friends, code F6.6.2

**Measurement:** Single closed question on amount of satisfaction with friendships, rated on a 7-point scale ranging from completely dissatisfied to completely satisfied.

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
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</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/n/7/a</td>
<td>r=+.39</td>
<td></td>
</tr>
</tbody>
</table>

**Correlational finding on Happiness and Satisfactions with friends**

**Subject code:** F6.6.2

**Study**

*DIENE 1991/1*

*Reported in:* Diener, E.; Diener, M. Cross-Cultural Correlates of Life Satisfaction and Self-Esteem. Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA.

*Population:* University students, Austria, 1991

*Sample:*

*Non-Response:*

*N: 319*

**Correlate**

*Authors label:* Satisfaction with friends (1)

*Our classification:* Satisfactions with friends, code F6.6.2
Measurement: Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.45</td>
<td>females</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.47</td>
<td>males</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study DIENE 1991/2


Population: University students, Bahrain, 1991

Sample:

Non-Response:

N: 275

Correlate

Authors label: Satisfaction with friends (1)

Our classification: Satisfactions with friends, code F6.6.2
**Findings on Happiness and FRIENDSHIP**

**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.22</td>
<td>females</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.28</td>
<td>males</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>

**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**

Diene, E.; Diener, M. Cross-Cultural Correlates of Life Satisfaction and Self-Esteem. Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA Page in Report: 18

**Population:** University students, Bangladesh, 1991

**Sample:**

**Non-Response:**

N: 262

**Correlate**

**Authors label:** Satisfaction with friends (1)

**Our classification:** Satisfactions with friends, code F6.6.2
**Findings on Happiness and FRIENDSHIP**

**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions.

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**Observed Relation with Happiness**

<table>
<thead>
<tr>
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<th>Statistics</th>
<th>Elaboration/Remarks</th>
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<tr>
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<td>$p &lt; .01$</td>
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**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**

**DIENE 1991/4**

**Reported in:** Diener, E.; Diener, M. Cross-Cultural Correlates of Life Satisfaction and Self-Esteem. Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA. Page in Report: 18

**Population:** University students, Brazil, 1991

**Sample:**

**Non-Response:**

$N$: 268

---

**Correlate**

**Authors label:** Satisfaction with friends (1)

**Our classification:** Satisfactions with friends, code F6.6.2
**Findings on Happiness and FRIENDSHIP**

**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

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**Observed Relation with Happiness**

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**Correlational finding on Happiness and Satisfactions with friends**

**Subject code:** F6.6.2

**Study**

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<td>Diener, E.; Diener, M.</td>
<td>Cross-Cultural Correlates of Life Satisfaction and Self-Esteem. Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA</td>
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**Population:** University students, Cameroon, 1991

**Sample:**

**Non-Response:**

$N$: 159

**Correlate**

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**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

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**Observed Relation with Happiness**

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**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**


**Population:** University students, Canada, 1991

**Sample:**

**Non-Response:**

* N: 1600

**Correlate**

* Authors label: Satisfaction with friends (1)

* Our classification: Satisfactions with friends, code F6.6.2
Measure of Happiness and Friendship

**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

**Observed Relation with Happiness**

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**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**

**DIENE 1991/7**

**Reported in:** Diener, E.; Diener, M. Cross-Cultural Correlates of Life Satisfaction and Self-Esteem. Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA.

**Population:** University students, Chile, 1991

**Sample:**

**Non-Response:**

N: 256

**Correlate**

**Authors label:** Satisfaction with friends (1)

**Our classification:** Satisfactions with friends, code F6.6.2
Findings on Happiness and FRIENDSHIP

**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

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**Observed Relation with Happiness**

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<td>r=+.35</td>
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**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**

**DIENE 1991/8**

**Reported in:** Diener, E.; Diener, M. Cross-Cultural Correlates of Life Satisfaction and Self-Esteem. Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA

**Population:** University students, Egypt, 1991

**Sample:** Non-Response: 

N: 274

**Correlate**

**Authors label:** Satisfaction with friends (1)

**Our classification:** Satisfactions with friends, code F6.6.2
Findings on Happiness and FRIENDSHIP

**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

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### Observed Relation with Happiness

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### Correlational finding on Happiness and Satisfactions with friends

**Subject code:** F6.6.2

**Study**

*DIENE 1991/9*

*Reported in:*

Diener, E.; Diener, M. Cross-Cultural Correlates of Life Satisfaction and Self-Esteem. Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA.

*Page in Report: 18*

*Population:*

University students, Finland, 1991

*Sample:*

*Non-Response:*

*N: 270*

---

**Correlate**

*Authors label:*

Satisfaction with friends (1)

*Our classification:*

Satisfactions with friends, code F6.6.2
**Findings on Happiness and FRIENDSHIP**

**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

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**Observed Relation with Happiness**

**Happiness Measure**

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**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**

*Reported in:* Diener, E.; Diener, M. Cross-Cultural Correlates of Life Satisfaction and Self-Esteem Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA. Page in Report: 18

**Population:** University students, Germany, 1991

**Sample:**

**Non-Response:**

*N*: 540

**Correlate**

**Authors label:** Satisfaction with friends (1)

**Our classification:** Satisfactions with friends, code F6.6.2
Findings on Happiness and FRIENDSHIP

Measurement: Single direct question rated on a 7-point Delighted-Terrible scale.
Part of a 12 item inventory of domain-satisfactions

Observed Relation with Happiness

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Correlational finding on Happiness and Satisfactions with friends

Subject code: F6.6.2

Study

DIENE1991/11


Population: University students, Greece, 1991

Sample:

Non-Response:

N: 164

Correlate

Authors label: Satisfaction with friends (1)

Our classification: Satisfactions with friends, code F6.6.2
Findings on Happiness and FRIENDSHIP

Measurement: Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

Observed Relation with Happiness

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Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study DIENE1991/12


Population: University students, India, 1991

Sample:

Non-Response:

$N$: 234

Correlate

Authors label: Satisfaction with friends (1)

Our classification: Satisfactions with friends, code F6.6.2
Measurements: Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions.

Observed Relation with Happiness

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Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study DIENE1991/13


Population: University students, Israel, 1991

Sample:

Non-Response:

N: 317

Correlate

Authors label: Satisfaction with friends (1)

Our classification: Satisfactions with friends, code F6.6.2
**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale.
Part of a 12 item inventory of domain-satisfactions

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**Observed Relation with Happiness**

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**Correlational finding on Happiness and Satisfactions with friends**

**Subject code:** F6.6.2

**Study**


**Population:** University students, Japan, 1991

**Sample:**

**Non-Response:**

N: 1200

**Correlate**

*Authors label:* Satisfaction with friends (1)

*Our classification:* Satisfactions with friends, code F6.6.2
Measurements: Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

Observed Relation with Happiness

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Correlational finding on Happiness and Satisfactions with friends

Subject code: F6.6.2

Study


Population: University students, Jordan, 1991

Sample:

Non-Response:

N: 279

Correlate

Authors label: Satisfaction with friends (1)

Our classification: Satisfactions with friends, code F6.6.2
Findings on Happiness and FRIENDSHIP

Measurement: Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions.

Observed Relation with Happiness

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Correlational finding on Happiness and Satisfactions with friends

Subject code: F6.6.2

Study


Population: University students, Kenya, 1991

Sample:

Non-Response:

N: 462

Correlate

Authors label: Satisfaction with friends (1)

Our classification: Satisfactions with friends, code F6.6.2
Findings on Happiness and FRIENDSHIP

Measurement: Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

Observed Relation with Happiness

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Correlational finding on Happiness and Satisfactions with friends

Subject code: F6.6.2

Study: DIENE1991/17


Population: University students, Korea, 1991

Sample: Non-Response:

N: 241

Correlate

Authors label: Satisfaction with friends (1)

Our classification: Satisfactions with friends, code F6.6.2
**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

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**Observed Relation with Happiness**

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**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**

*DIENE1991/18*

*Reported in:* Diener, E.; Diener, M. Cross-Cultural Correlates of Life Satisfaction and Self-Esteem. Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA Page in Report: 18

*Population:* University students, Mexico, 1991

*Sample:

*Non-Response:

N: 220

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**Correlate**

*Authors label:* Satisfaction with friends (1)

*Our classification:* Satisfactions with friends, code F6.6.2
Findings on Happiness and FRIENDSHIP

Measurement: Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

Observed Relation with Happiness

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Correlational finding on Happiness and Satisfactions with friends

Subject code: F6.6.2

Study DIENE1991/19

Reported in: Diener, E; Diener, M. Cross-Cultural Correlates of Life Satisfaction and Self-Esteem. Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA Page in Report: 18

Population: University students, Netherlands, 1991

Sample:

Non-Response:

N: 352

Correlate

Authors label: Satisfaction with friends (1)

Our classification: Satisfactions with friends, code F6.6.2
Findings on Happiness and FRIENDSHIP

Measurement: Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

Observed Relation with Happiness

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Correlational finding on Happiness and Satisfactions with friends

Subject code: F6.6.2

Study: DIENE1991/20


Population: University students, New Zealand, 1991

Sample: 

Non-Response:

N: 314

Correlate

Authors label: Satisfaction with friends (1)

Our classification: Satisfactions with friends, code F6.6.2
Findings on Happiness and FRIENDSHIP

Measurement: Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

Observed Relation with Happiness

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<td>p&lt;.01</td>
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Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study


Population: University students, Norway, 1991

Sample:

Non-Response:

N: 222

Correlate

Authors label: Satisfaction with friends (1)

Our classification: Satisfactions with friends, code F6.6.2
**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions.

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### Observed Relation with Happiness

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### Correlational finding on Happiness and Satisfactions with friends

**Subject code: F6.6.2**

**Study**

**Reported in:** Diener, E.; Diener, M. Cross-Cultural Correlates of Life Satisfaction and Self-Esteem. Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA Page in Report: 18

**Population:** University students, Philippines, 1991

**Sample:**

**Non-Response:**

N: 953

---

**Correlate**

**Authors label:** Satisfaction with friends (1)

**Our classification:** Satisfactions with friends, code F6.6.2
Findings on Happiness and FRIENDSHIP

**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.37</td>
<td>females</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.28</td>
<td>males</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**

**DIENE1991/23**

**Reported in:** Diener, E.; Diener, M. Cross-Cultural Correlates of Life Satisfaction and Self-Esteem. Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA. Page in Report: 18

**Population:** University students, Puerto Rico, 1991

**Sample:**

**Non-Response:**

**N:** 297

---

**Correlate**

**Authors label:** Satisfaction with friends (1)

**Our classification:** Satisfactions with friends, code F6.6.2
**Measurement:**  Single direct question rated on a 7-point Delighted-Terrible scale.  
Part of a 12 item inventory of domain-satisfactions

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.21</td>
<td>females</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.56</td>
<td>males</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**

*Reported in:* Diener, E.; Diener, M.  
Cross-Cultural Correlates of Life Satisfaction and Self-Esteem.  
Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA  
Page in Report: 18

**Population:** University students, Singapore, 1991

**Sample:**

**Non-Response:**

*N:* 256

**Correlate**

**Authors label:** Satisfaction with friends (1)

**Our classification:** Satisfactions with friends, code F6.6.2
Findings on Happiness and FRIENDSHIP

**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/c/sq/v7/c</td>
<td>r=+.40</td>
<td>females</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
<tr>
<td>O-DT/c/sq/v7/c</td>
<td>r=+.41</td>
<td>males</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**

**DIENE1991/25**

**Reported in:** Diener, E.; Diener, M. Cross-Cultural Correlates of Life Satisfaction and Self-Esteem. Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA Page in Report: 18

**Population:** University students, South Africa, 1991

**Sample:**

**Non-Response:**

N: 275

**Correlate**

**Authors label:** Satisfaction with friends (1)

**Our classification:** Satisfactions with friends, code F6.6.2
**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.24, p&lt;.01</td>
<td>females</td>
</tr>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.35, p&lt;.01</td>
<td>males</td>
</tr>
</tbody>
</table>

### Correlational finding on Happiness and Satisfactions with friends

**Subject code: F6.6.2**

**Study**

*Reported in:* Diener, E.; Diener, M. Cross-Cultural Correlates of Life Satisfaction and Self-Esteem. Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA Page in Report: 18

*Population:* University students, Spain, 1991

*Sample:*

*Non-Response:*

*N:* 275

**Correlate**

*Authors label:* Satisfaction with friends (1)

*Our classification:* Satisfactions with friends, code F6.6.2
**Findings on Happiness and FRIENDSHIP**

**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.22</td>
<td>females</td>
</tr>
<tr>
<td></td>
<td>p&lt;.NS</td>
<td></td>
</tr>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.41</td>
<td>males</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>

**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**

**Reported in:** Diener, E.; Diener, M. Cross-Cultural Correlates of Life Satisfaction and Self-Esteem. Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA

**Page in Report:** 18

**Population:** University students, Tanzania, 1991

**Sample:**

**Non-Response:**

**N:** 222

**Correlate**

**Authors label:** Satisfaction with friends (1)

**Our classification:** Satisfactions with friends, code F6.6.2
**Findings on Happiness and FRIENDSHIP**

**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions.

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.33</td>
<td>females</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.25</td>
<td>males</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>

**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**

*Reported in:* Diener, E.; Diener, M. Cross-Cultural Correlates of Life Satisfaction and Self-Esteem. Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA Page in Report: 18

**Population:** University students, Thailand, 1991

**Sample:**

**Non-Response:**

*N:* 571

**Correlate**

*Authors label:* Satisfaction with friends (1)

*Our classification:* Satisfactions with friends, code F6.6.2
**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.28 p&lt;.01</td>
<td>females</td>
</tr>
<tr>
<td></td>
<td>r=+.35 p&lt;.01</td>
<td>males</td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**

**Reported in:** Diener, E.; Diener, M. Cross-Cultural Correlates of Life Satisfaction and Self-Esteem. Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA Page in Report: 18

**Population:** University students, Turkey, 1991

**Sample:**

**Non-Response:**

*N:* 287

**Correlate**

**Authors label:** Satisfaction with friends (1)

**Our classification:** Satisfactions with friends, code F6.6.2
Findings on Happiness and FRIENDSHIP

Measurement:
Single direct question rated on a 7-point Delighted-Terrible scale.
Part of a 12 item inventory of domain-satisfactions

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
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</thead>
<tbody>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.44</td>
<td>females p&lt;.01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>males p&lt;.01</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study: DIENE1991/30

Reported in: Diener, E.; Diener, M.
Cross-Cultural Correlates of Life Satisfaction and Self-Esteem.
Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA
Page in Report: 18


Sample:

Non-Response:

N: 1234

Correlate

Authors label: Satisfaction with friends (1)

Our classification: Satisfactions with friends, code F6.6.2
**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale. Part of a 12 item inventory of domain-satisfactions

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.41</td>
<td>females</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>r=+.48</td>
<td>males</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**

- **DIENE1991/31**

  **Reported in:** Diener, E; Diener, M. Cross-Cultural Correlates of Life Satisfaction and Self-Esteem. Unpublished Paper, University of Illinois, Department of Psychology, Champaign, USA Page in Report: 18

  **Population:** University students, Yugoslavia, 1991

  **Sample:**

  **Non-Response:**

  - **N:** 332

**Correlate**

- **Authors label:** Satisfaction with friends (1)

- **Our classification:** Satisfactions with friends, code F6.6.2
Findings on Happiness and FRIENDSHIP

**Measurement:** Single direct question rated on a 7-point Delighted-Terrible scale.
Part of a 12 item inventory of domain-satisfactions

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>( r = +.32 )</td>
<td>females</td>
</tr>
<tr>
<td></td>
<td>( p &lt; .01 )</td>
<td></td>
</tr>
<tr>
<td>O-DT/c/sq/v/7/c</td>
<td>( r = +.63 )</td>
<td>males</td>
</tr>
<tr>
<td></td>
<td>( p &lt; .01 )</td>
<td></td>
</tr>
</tbody>
</table>

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**Correlational finding on Happiness and Satisfactions with friends**

**Subject code: F6.6.2**

**Study**

**GLENN 1981C**


*Page in Report:* 164

*Population:* Marieds, non-institutionalized, USA, 1973-78

*Sample:* 

*Non-Response:* 

\( N: 9000 \)

**Correlate**

*Authors label:* Satisfaction with friendships (1)

*Our classification:* Satisfactions with friends, code F6.6.2
Findings on Happiness and FRIENDSHIP

Measurement:
Direct question: "For each area of life I am going to name, tell me the number that shows how much satisfaction you get from that area? 1. a very great deal, 2. a great deal, 3. quite a lot, 4. a fair amount, 5. some, 6. a little, 7. none"

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=+</td>
<td>Married persons working full-time:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- white men: r=+.22  β=+.03</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- black men: r=+.23  β=+.11</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- white women: r=+.29  β=+.01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- black women: r=+.13  β= .06</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All married women:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- white: r=+.30  β=+.06</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- black: r=+.26  β=+.11</td>
</tr>
</tbody>
</table>

β controlled for marital happiness, satisfaction with: work, financial situation, community, nonworking activities, family life and health

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2
Findings on Happiness and FRIENDSHIP

**Study**

**Reported in:** Harry, J.

**Evolving sources of happiness for men over the life cycle: A structural analysis**

*Journal of Marriage and the Family, Vol 38, 1976, 289-296*  
Page in Report: 292

**Population:** 18+ aged males, living with family, USA, 1973

**Sample:**

**Non-Response:**

**N:** 374

### Correlate

**Authors label:** Satisfaction with friends (1)

**Our classification:** Satisfactions with friends, code F6.6.2

**Measurement:** Single item self-rating on how much satisfaction one receives from friends

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=+.14</td>
<td>Single</td>
</tr>
<tr>
<td></td>
<td>ns</td>
<td></td>
</tr>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=+.18</td>
<td>Married, no children</td>
</tr>
<tr>
<td></td>
<td>ns</td>
<td></td>
</tr>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=+.26</td>
<td>Married, pre-school children</td>
</tr>
<tr>
<td></td>
<td>p&lt;.05</td>
<td></td>
</tr>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=+.21</td>
<td>Married, schoolage children</td>
</tr>
<tr>
<td></td>
<td>ns</td>
<td></td>
</tr>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=+.32</td>
<td>Married, teenage children</td>
</tr>
<tr>
<td></td>
<td>ns</td>
<td></td>
</tr>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=+.27</td>
<td>Married, children grown up</td>
</tr>
<tr>
<td></td>
<td>p&lt;.05</td>
<td></td>
</tr>
</tbody>
</table>
Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study

HEADE 1981

Reported in: Headey, B.
The Quality of Life in Australia
Social Indicators Research, 1981, Vol. 9, 155 - 18. ISSN p 0303 8300; ISSN e 1573 0921 DOI:10.1007/BF00286195
Page in Report: 166

Population: Adults, general public, Australia 1978

Sample: Probability sample (unspecified)

Non-Response: not reported

N: 679

Correlate

Authors label: Friends index

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Index of 4 single questions on satisfaction with:
a: The people you see socially
b: Your friends
c: The friends of opposite sex you have
d: How much you are accepted and included by others
All scored on a 1-9 rating scale, summation by average.

Measured Values: M = 7.1 SD = 0.9

Remarks: All items scored on the same rating scale as the question on happiness.

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
Findings on Happiness and FRIENDSHIP

\[ r = +0.49, \quad p < 0.001 \]

\[ \text{Beta} = +0.5 \]

all cases

Beta's controlled for satisfaction with
- self-fulfillment
- sex life
- problem handling
- family activities
- work around the house
- mother
- health
- house
- standard of living
- assertiveness
- fun and enjoyment
- marriage

\[ \text{Beta} = +0.8 \]

married cases

Beta's controlled for satisfaction with
- self-fulfillment
- sex life
- problem handling
- family activities
- work around the house
- mother
- health
- house
- standard of living
- assertiveness
- fun and enjoyment
- marriage

---

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study

HEADE 1984

Reported in: Headey, B., Holmström, E.; Wearing, A.
The Impact of Life Events and Changes in Domain Satisfactions on Well-Being.
Social Indicators Research, 1984, Vol. 15, 203 - 227. ISSN p 0303 8300; ISSN e 1573 0921 DOI:10.1007/BF00668671
Page in Report: 211

Findings on Happiness and FRIENDSHIP

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

Sample:

Non-Response:

N: 184

Correlate

Authors label: Satisfaction with contacts with friends (1)
Our classification: Satisfactions with friends, code F6.6.2
Measurement: Closed question rated on a 9-point scale (delighted ... terrible) Assessed at T2.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Beta=+.20, p&lt;.05</td>
<td>Happiness T2 by satisfaction T2, controlling for happiness T1 and satisfaction T1. β can be interpreted as regression between CHANGE OF HAPPINESS and CHANGE OF SATISFACTION in time.</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study

HEADE 1985


Population: 18+ aged, general public, Melbourne, Australia, 1985

Sample:

Non-Response: 55%
Findings on Happiness and FRIENDSHIP

\[ N: \ 550 \]

Correlate

**Authors label:** Satisfaction with friendships and leisure (1)

**Our classification:** Satisfactions with friends, code F6.6.2

**Measurement:** Single direct question rated on a 9-point delighted-terrible scale.

---

**Observed Relation with Happiness**

<table>
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<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/c/sq/v/7/b</td>
<td>Beta= +.39</td>
<td>( \beta ) controlled for satisfaction with: marriage and sex, job, standard of living, and health</td>
</tr>
</tbody>
</table>

\[ p<.05 \]

---

**Correlational finding on Happiness and Satisfactions with friends**

**Subject code:** F6.6.2

---

**Study**

**HEADE 1989**

**Reported in:** Headey, B ; Veenhoven, R.
Does Happiness Induce a Rosy Outlook?
Page in Report: ll6

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

**Sample:**

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

\[ N: \ 649 \]

---

Correlate

**Authors label:** Satisfaction with friends (1)
Findings on Happiness and FRIENDSHIP

**Our classification:** Satisfactions with friends, code F6.6.2

**Measurement:** Index of two identical questions asked at the beginning and the end of the interview (20 minute interval). Rated on a 9-point scale ranging from terrible (1) to delightfull (9). Assessed at T1 (1981), T2 (1983), T3 (1985) and T4 (1987).

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/u/sqt/v/10/a</td>
<td>ßL = ns</td>
<td>Estimated same-time causal EFFECT ON HAPPINESS of satisfaction with friends (bottom-up).</td>
</tr>
<tr>
<td>O-DT/u/sqt/v/10/a</td>
<td>ßL = ns</td>
<td>Estimated same-time causal EFFECT OF HAPPINESS on satisfaction with friends (top-down). Effect assessed at T1, T2, T3 and T4. Effects assumed to be identical at all times. ßL is the path-coefficient in a four wave LISREL model. T1 sex, age, SES, extraversion and neuroticism are controlled.</td>
</tr>
</tbody>
</table>

### Correlational finding on Happiness and Satisfactions with friends

**Subject code: F6.6.2**

**Study**

*HEADE 1991*

*Reported in:* Headey, B.; Veenhoven, R.; Wearing, A.
Top-down versus Bottom-up Theories of Subjective Well-Being.
Social Indicators Research, 1991, Vol. 24, 81 - 100. ISSN p 0303 8300; ISSN e 1573 0921 DOI:10.1007/BF00292652
Page in Report: 94

*Population:* 18-65 aged, general public, Victoria, Australia, followed from 1981 to 1987 in two 24 months periods

*Sample:* Probability stratified sample
Non-Response:

N: 942

Correlate

Authors label: Friendship

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Index of 4 single questions on satisfaction with:
   a: The people you see socially
   b: Your friends
   c: The friends of opposite sex you have
   d: How much you are accepted and included by others
All scored on a 1-9 rating scale, summation by average.

which estimates following effects
   - bottom up: effect of satisfaction with friends on life satisfaction
   - topdown: effect of life satisfaction on satisfaction with friends
   - contemporaneous: within wave correlation
   - lagged: over time (waves) correlation

Observed Relation with Happiness

Happiness Measure | Statistics | Elaboration/Remarks
--- | --- | ---
O-DT/u/sqt/v9/a | Beta=-.01 ns | Contemporaneous bottom up: satisfaction with their friends makes people happy
O-DT/u/sqt/v9/a | Beta=+.06 ns | Contemporaneous top down: happy people are satisfied with their friends
O-DT/u/sqt/v9/a | Beta=-.01 ns | Lagged bottom up: satisfaction with their friends makes people happy
Lagged top down: happy people are satisfied with their friends

Beta's controlled for satisfaction with
- marriage
- job
- standard of living
- leisure
- health

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study HEADE 1993


Population: 18-65 aged, Victoria, Australia, followed every 2 years from 1981 to 1987

Sample: Probability stratified sample

Non-Response: N: 419

Correlate

Authors label: Friendship satisfaction

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Selfreport Questions not reported

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness and FRIENDSHIP

O-Sum*/mq/*/0/a r=+.40
p<.05

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study KALIT 2006


Population: 18+aged, Croatia, 2003

Sample: Probability multi-stage cluster sample

Non-Response: 0

N: 1242

Correlate

Authors label: Satisfaction with Relationship with family and friends

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Selfreport on satisfaction with Relationship with family and friends
1: not at all satisfied
.
.
10: extremely satisfied

Measured Values: M=8.6 SD=1.71

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>

Correlational finding on Happiness and Satisfactions with friends  
Subject code: F6.6.2

Study  
KENNE 1978  

Reported in: Kennedy, L.W.; Northcott, H.C.; Kinzel, C.  
Social Indicators Research, 1978, Vol. 5, 457 - 474. ISSN 0303 8300. DOI:10.1007/ BF00352943  
Page in Report: 463

Population: 18+ aged, general public, Edmonton, Canada, 1977

Sample: Probability multi-stage cluster sample

Non-Response: not reported

N: 335

Correlate

Authors label: Satisfaction with friendships (1)

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Single question, full item not reported. Rated:
1 very dissatisfied
.
.
7 very satisfied.

Measured Values: M = 5.8; SD = 0.65

Remarks: N = 340
Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLu/c/sq/n/7/b</td>
<td>B = .29</td>
<td>B controlled for satisfaction with:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- standard of living</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- health</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- recreation activities</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- family life.</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Satisfactions with friends

Subject code: F6.6.2

Study

KENNE 1985

Page in Report: 108

Population: 18+ aged, general public, Edmonton, Canada, 1977-84

Sample: Probability multi-stage cluster sample

Non-Response:

N: 3440

Correlate

Authors label: Friendship satisfaction (1)

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Question on satisfaction with friends;
Rated:
1. very dissatisfied
   .
   .
7. very satisfied
## Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>
| O-SLu/c/sq/n/7/b   | Beta= +.17 | Stepwise regression by age-group.  
|                   |            | age group 17-25     |
|                   |            | Beta controlled for:  
|                   |            | - standard of living satisfaction  
|                   |            | - family satisfaction  
|                   |            | - job satisfaction  
|                   |            | - neighbourhood satisfaction  
|                   |            | - financial better/worse than year ago  
|                   |            | - health satisfaction  
|                   |            | - year of significant social change  
|                   |            | - education  
|                   |            | - things wanted to do satisfaction  
| O-SLu/c/sq/n/7/b   | Beta= +.17 | age-group 26-45     |
|                   |            | Beta controlled for:  
|                   |            | - standard of living satisfaction  
|                   |            | - family satisfaction  
|                   |            | - job satisfaction  
|                   |            | - health satisfaction  
|                   |            | - non work activities satisfaction  
|                   |            | - neighbourhood satisfaction  
|                   |            | - financial better/worse than year ago  
|                   |            | - sex  
|                   |            | - year of significant social change  
|                   |            | - things wanted to do satisfaction  
| O-SLu/c/sq/n/7/b   | Beta= +.06 | age-group 45+  
|                   |            | Beta controlled for:  
|                   |            | - standard of living satisfaction  
|                   |            | - health satisfaction  
|                   |            | - non work activities satisfaction  
|                   |            | - financial better/worse than year ago  
|                   |            | - job satisfaction  
|                   |            | - family satisfaction  
|                   |            | - things wanted to do satisfaction  
|                   |            | - sex  
|                   |            | - year of significant social change  

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study LAI 2005


Population: Elderly living in long-term care settings, Taiwan 2000

Sample: Probability simple random sample

Non-Response: 9%

N: 465

Correlate

Authors label: Social relationships domain

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Selfreport on 4 questions about social relationships in the last four weeks:
  a. Personal relationships.
     Q20: How satisfied are you with your personal relationships?
  b. Sexual activity.
     Q21: How satisfied are you with your sex life?
  c. Social support.
     Q22: How satisfied are you with the support you get from your friends?
  d. Being respected and accepted.
     Q27: (not reported)

Social relationships (TW) Domain
Subscale of Taiwan's abbreviated version of the WHOQOL-BREF

Measured Values: Range =4-20: Mean=12.70; SD=2.04; Median=12; Mode=12.

Error Estimates: Cronbach's alfa : 0.80 > 0.70
Remarks: The addition of Question d created a slight increase for the social relationships. Cronbach's alfa increased from 0.78 to 0.80.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-QOL/cm/sq/v/5/a</td>
<td>r = 0.38</td>
<td></td>
</tr>
<tr>
<td></td>
<td>p &lt; 0.001</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study
MERED 1984

Reported in: Meredith, W.H.
Level and Correlates of Perceived Quality of Life for Lao Hmong Refugees in Nebraska.
Social Indicators Research, 1984, Vol. 14, 83 - 97. ISSN 0303 8300 DOI:10.1007/BF00315723
Page in Report: 91

Population: 16+ aged, recent refugees from Laos, USA, 1982

Sample:
Non-Response: 0%
N: 145

Correlate

Authors label: Satisfaction with friendships (1)
Our classification: Satisfactions with friends, code F6.6.2
Findings on Happiness and FRIENDSHIP

Measurement: Index of closed questions, rated on a 7-point Delighted-Terrible scale: How do you feel about:
- your friends?
- the people you see socially?
- the things you do and the times you have with your friends?
- how much you are accepted and included by others?

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/u/sqt/v/7/a</td>
<td>$r = +.37$</td>
<td>$p &lt; .01$</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study
MICHA 1980


Population: University staff members, Guelph Canada, 1979

Sample:
Non-Response: 59%

N: 357

Correlate

Authors label: Satisfaction with friendships (1)

Our classification: Satisfactions with friends, code F6.6.2
**Measurement:** Closed question rated on a 7-point scale.

## Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>
| **O-DT/c/sq/v/7/aa** | $r = +.54$ | Controlled for 1 $\rho_p = +.21$ (0.01)  
Controlled for 1+2 $\rho_p = +.13$ (0.01)  
Controlled for 1+3 $\rho_p = +.24$ (0.01)  
Controlled for 1+2+3 $\rho_p = +.15$ (0.01)  
Controlled for 1 $\beta = +.20$  
Controlled for 1+3+4 $\beta = +.20$ |
| **O-HL/u/sq/v/7/a** | $r = +.51$ | Controlled for 1 $\rho_p = +.23$ (0.01)  
Controlled for 1+2 $\rho_p = +.15$ (0.01)  
Controlled for 1+3 $\rho_p = +.26$ (0.01)  
Controlled for 1+2+3 $\rho_p = +.17$ (0.01)  
Controlled for 1 $\beta = +.23$  
Controlled for 1+3 $\beta = +.24$ |

1= Satisfaction with health, financial security, family life, housing, job, free time activity, education, self-esteem, area you live in, ability to get around, security from crime.  
2= Global happiness (indicator 2, HAP 1.1)  
3= Demographic factors (sex, age, marital status, education, family income)  
4= Workstatus.

## Correlational finding on Happiness and Satisfactions with friends

**Subject code: F6.6.2**
Findings on Happiness and FRIENDSHIP

Study

MICHA 1982

Reported in: Michalos, A.C.
Page in Report: 24

Population: 60+ aged, rural townships, Southern Huron County, Ontario, Canada, 198?

Sample:
Non-Response: 37%
N: 392

Correlate

Authors label: Satisfaction with friendships (1)

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Closed question on quality and quantity of contacts with friends, rated on a 7-point scale

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/u/sq/v/7/a</td>
<td>Beta=.23</td>
<td>All ß's are controlled for satisfaction with family life, financial security, self-esteem, spouse, health, transportation, recreation, housing, religion, area you live in, government services; and for sex, age and education. Males N:149 ß:+.10 Females N:121 ß:+.36 Farmers N:130 ß:+.25 Non-farmers N:141 ß:+.21 Age 60-74 N:170 ß:+.20 Age 75-up N:102 ß:+.27</td>
</tr>
</tbody>
</table>
Findings on Happiness and FRIENDSHIP

Beta= +.08

All ß's controlled for satisfaction with family life, financial security, self esteem, spouse, health, transportation, recreation, housing, religion, area you live in, government services; and for sex, age, formal education.

Males: N:149 ß: +.06
Females N:121 ß: +.13
Farmer N:130 ß: +.01
Non-farmer N:141 ß: +.12
Aged 60-74 N:170 ß: +.07
Aged 75-up N:102 ß: +.08

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study MICH A 1983

Reported in: Michalos, A.C.
Satisfaction and Happiness in a Rural Northern Resource Community.
Social Indicators Research, 1983, Vol. 13, 225 - 252. ISSN 0303 8300. DOI:10.1007/BF00318099
Page in Report: 233

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

Sample:

Non-Response: 8%

N: 598

Correlate

Authors label: Satisfaction with friendships (1)

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Closed question on quality and quantity of contacts with friends, rated on a 7-point scale.

Observed Relation with Happiness
## Findings on Happiness and FRIENDSHIP

### Happiness Measure

<table>
<thead>
<tr>
<th>Measure</th>
<th>Beta</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/c/sq/v/7/aa</td>
<td>+.06</td>
<td>All β's controlled for satisfaction with health, financial security, family relations, paid employment, housing, area you live in, recreation activity, religion, self esteem, transportation, government services, and for the demographic factors: sex, age, formal education, language, work status, marital status, time in area. Males: N: 173 β: +.10 Females: N: 154 β: +.04</td>
</tr>
<tr>
<td>O-HL/u/sq/v/7/a</td>
<td>+.01</td>
<td>All β's controlled for satisfaction with health, financial security, family relations, paid employment, housing, area you live in, recreation activity, religion, self esteem, transportation, government services; and for sex, age, formal education, language, work status, marital status, time in area. Males: N: 173 β: +.05 Females: N: 154 β: -.01</td>
</tr>
</tbody>
</table>

### Correlational finding on Happiness and Satisfactions with friends

**Subject code: F6.6.2**

**Study**

MICHA 1985


**Population:** Students undergraduates University of Guelph, Canada, 1984

**Sample:**

Non-Response: 18%

N: 700
Correlate

Authors label: Satisfaction with friendships (1)

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Closed question on satisfaction with quality and quantity of contacts with friends, rated on a 7-point scale. 1: terrible...7:delightful.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>
| O-DT/c/sq/v/7/aa  | Beta=+.17  | Males N:140 \( \beta = +.24 \) (01)  
                |             | Females N:149 \( \beta = +.20 \) (01) |
|                   | p<.01       | \( \beta 's \) controlled for satisfaction with: health, financial security, family relations, paid employment, housing, recreation, religion, self esteem and education |
| O-HL/u/sq/v/7/a   | Beta=+.21  | Males N:140 \( \beta = +.24 \) (01)  
                |             | Females N:149 \( \beta = +.23 \) (05) |
|                   | p<.01       | \( \beta 's \) controlled for satisfaction with: health, family relations, paid employment, self-esteem and education |

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study MICHA 1986

Reported in: Michalos, A. C.
An Application of Multiple Discrepancies Theory (MDT) to Seniors. Social Indicators Research, 1986, Vol. 18, 349 - 378. ISSN 0303 8300. DOI:10.1007/BF00300488
Page in Report: 360

Population: 60+ aged, rural districts, Canada, 1984
Findings on Happiness and FRIENDSHIP

Sample:
Non-Response: 47%
N: 457

Correlate

Authors label: Satisfaction with friendships (1)
Our classification: Satisfactions with friends, code F6.6.2
Measurement: Closed question on satisfaction with quality and quantity of contacts with friends, rated on a 7-point scale. 1: terrible..7: delightful.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/c/sq/v/7/aa</td>
<td>Beta= +.13 p&lt;.01</td>
<td>ß controlled for self-esteem and satisfaction with: health, financial security, housing, spouse.</td>
</tr>
<tr>
<td>O-HL/u/sq/v/7/a</td>
<td>Beta= +.15 p&lt;.01</td>
<td>ß controlled for self-esteem and satisfaction with: health, financial security, housing, spouse.</td>
</tr>
<tr>
<td>O-DT/c/sq/v/7/aa</td>
<td>Beta= +.17 p&lt;.01</td>
<td>Females</td>
</tr>
<tr>
<td>O-HL/u/sq/v/7/a</td>
<td>Beta= +.19 p&lt;.01</td>
<td>Males</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study MOOKH 1997

Reported in: Mookherjee, H.N.
Assessment of Happiness among the Elderly Population in the United States.
Chrakravarty, I.; Ed.: "Life in Twilight Years", Kwality Book, 1997, Calcutta, India, 327 - 343
Page in Report: 336

Population: 60+ aged, general public, USA 1982-91

Sample: Probability multi-stage cluster sample

Non-Response: not reported

N: 3049

Correlate

Authors label: Satisfaction with friends (1)

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Single question on satisfaction with friends:
1. not satisfied
2. somewhat satisfied
3. well satisfied

Measured Values: N: 1= 213 2= 671 3= 2165

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>DM=+</td>
<td>1. M= 1.78 SD=.71</td>
</tr>
<tr>
<td></td>
<td>p&lt;.00</td>
<td>2. M= 2.07 SD=.63</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3. M= 2.34 SD=.64</td>
</tr>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=+.26</td>
<td></td>
</tr>
<tr>
<td></td>
<td>p&lt;.00</td>
<td></td>
</tr>
</tbody>
</table>
Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study

MOSER 1969

Reported in: Moser-Peters, C.M. Achtergronden van Geluksgevoelens. (Backgrounds of Happiness Feelings). Nederlands Instituut voor Preventieve Geneeskunde (TNO), 1969, Leiden, Netherlands
Page in Report: 29


Sample:

Non-Response: 14% unattainable etc.

N: 300

Correlate

Authors label: Satisfaction with friends and acquaintances. (1)

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Closed question rated on a 5-point scale ranging from 'dissatisfied' to 'very satisfied'.
## Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/5/c</td>
<td>r=+.15</td>
<td>p&lt;.5</td>
</tr>
</tbody>
</table>

## Correlational finding on Happiness and Satisfactions with friends

### Subject code: F6.6.2

### Study

**Reported in:** Palisi, B.J.

*Urbanism and Psychological Well-Being: A Test of Three Theories.*

*Sociological Spectrum, 1986, Vol. 6, 361 - 378*

*Page in Report: 372*

**Population:** 18+ aged, general public, non-institutionalized, USA, 1974-1982

**Sample:**

**Non-Response:**

*N: 7542*

### Correlate

**Authors label:** Satisfaction received from friendships (1)

**Our classification:** Satisfactions with friends, code F6.6.2

**Measurement:** Single closed question on satisfaction received from friendships, rated on a 7-point scale, ranging from "a great deal" to "none" (order reversed).

## Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>r=+.27</td>
<td></td>
</tr>
</tbody>
</table>
## Correlational finding on Happiness and Satisfactions with friends

**Subject code: F6.6.2**

<table>
<thead>
<tr>
<th>Study</th>
<th>SHICH 1984</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Shichman, S.; Cooper, E.</td>
</tr>
<tr>
<td></td>
<td>Life Satisfaction and Sex-Role Concept.</td>
</tr>
<tr>
<td></td>
<td>Sex Roles, 1984, Vol. 11, 227 - 240. ISSN 0360 0025 DOI:10.1007/BF00287516</td>
</tr>
<tr>
<td></td>
<td>Page in Report: 234</td>
</tr>
<tr>
<td>Population:</td>
<td>Adults, students and churchmembers, USA, 198?</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>5.9 %</td>
</tr>
<tr>
<td>N:</td>
<td>217</td>
</tr>
</tbody>
</table>

### Correlate

- **Authors label:** Satisfaction with relations with friends (1)
- **Our classification:** Satisfactions with friends, code F6.6.2
- **Measurement:** Single direct questions on both satisfaction and dissatisfaction with relations with friends.

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>
| O-SLu/u/sq/v/4/a | r=+.24  
     p<.00 | satisfaction |
| O-SLu/u/sq/v/4/a | r=-.19  
     p<.01 | dissatisfaction |

---

Findings on Happiness and FRIENDSHIP

Study  UGLAN 2006


Page in Report: question 12

Population: 16+ aged, Russia, 1993

Sample: Probability multi-stage cluster sample

Non-Response: ?

N: 2018

Correlate

Authors label: Satisfaction with social network

Our classification: Satisfactions with friends, code F6.6.2

Measurement: How satisfied are you with your social network?
1 completely dissatisfied
2 rather dissatisfied
3 rather satisfied
4 quite satisfied
- DK/NA

Measured Values: 1: 2.8% 2: 12.2% 3: 45.9% 4: 34.1% DK/NA: 5%

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/v/4/g</td>
<td>DM =+</td>
<td>1:M = 1.91 2:M = 2.21 3:M = 2.44 4:M = 2.84</td>
</tr>
<tr>
<td>O-SLW/c/sq/v/4/g</td>
<td>rs =+0.3</td>
<td>p&lt;.000</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study

VENTE 1995

Reported in: Ventegodt, S.
Livskvalitet i Danmark. (Quality of Life in Denmark).
Forskningscentrets Forlag (The Quality of Life Research Center), København,
Page in Report: 352

Population: 18-88 aged, general public, Denmark, 1993

Sample: Non-probability purposive sample

Non-Response: 39%

N: 1494

Correlate

Authors label: satisfaction with acquaintances (1)

Our classification: Satisfactions with friends, code F6.6.2

Measurement:
Single question:
"How satisfied are you at present with your relations with your acquaintances ?"
1: very dissatisfied
2: dissatisfied
3: neither/nor
4: satisfied
5: very satisfied


Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>

Findings on Happiness and FRIENDSHIP

A-AOL/m/sq/v/5/a  
\[ r = +.27 \]  
\[ p < .00 \]  
1: Mt=6.25  
2: Mt=6.03  
3: Mt=6.89  
4: Mt=7.73  
5: Mt=8.49  
All Mt=7.79

O-SLu/c/sq/v/5/e  
\[ r = +.30 \]  
\[ p < .00 \]  
1: Mt=5.00  
2: Mt=5.45  
3: Mt=6.44  
4: Mt=7.43  
5: Mt=8.19  
All Mt=7.45

O-HL/c/sq/v/5/h  
\[ r = +.29 \]  
\[ p < .00 \]  
1: Mt=5.63  
2: Mt=4.89  
3: Mt=6.14  
4: Mt=6.88  
5: Mt=7.69  
All Mt=6.96

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study        VENTE 1996

Reported in: Ventegodt, S.  
Liskvalitet hos 4500 31-33-arige. (The Quality of Life of 4500 31-33-Years-Olds).  
Page in Report: 374

Population: 31-33 aged, Denmark 1993, born in University Hospital in Copenhagen

Sample: Non-probability chunk sample

Non-Response: 39%

N: 4500

Correlate
Findings on Happiness and FRIENDSHIP

Authors label: satisfaction with acquaintances

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Single question:
"How satisfied are you at present with your relations with your acquaintances?"
1: very dissatisfied
2: dissatisfied
3: neither/nor
4: satisfied
5: very satisfied

Measured Values: N: All:4604; %: 1:0,5; 2:2,1; 3:17,9; 4:55,9; 5:23,6

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/m/sq/v/5/a</td>
<td>r=+.31</td>
<td>1: Mt=4.16</td>
</tr>
<tr>
<td></td>
<td>p&lt;.00</td>
<td>2: Mt=5.39</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: Mt=6.93</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4: Mt=7.76</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5: Mt=8.58</td>
</tr>
</tbody>
</table>

| O-SLu/c/sq/v/5/e  | r=+.32     | 1: Mt=3.69          |
|                   | p<.00      | 2: Mt=5.10          |
|                   |            | 3: Mt=6.54          |
|                   |            | 4: Mt=7.41          |
|                   |            | 5: Mt=8.38          |

| O-HL/c/sq/v/5/h   | r=+.29     | 1: Mt=4.40          |
|                   | p<.00      | 2: Mt=5.05          |
|                   |            | 3: Mt=6.36          |
|                   |            | 4: Mt=6.98          |
|                   |            | 5: Mt=7.85          |

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2
Findings on Happiness and FRIENDSHIP

Study  WARD 1979/1

Reported in: Ward, R.A.
The Never-Married in Later Life.
Journal of Gerontology, 1979, Vol. 34, 861 - 869. ISSN 0022 1422
Page in Report: 866

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

Sample:

Non-Response:
N: 3557

Correlate

Authors label: Satisfaction with friendships (1)

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Single closed question rated on a 7-point scale: From each area of life I'm going to name, tell me how much satisfaction you get from that area: ... your friendships: a very great deal / a great deal / quite a bit / a fair amount / some / a little / none.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/3/ag</td>
<td>r=+.25</td>
<td>Married: r = +.25</td>
</tr>
<tr>
<td></td>
<td>p&lt;.05</td>
<td>Never-married: r = +.21</td>
</tr>
</tbody>
</table>

Divorced and widowed subjects left out

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study  WEBB 1915/1
Findings on Happiness and FRIENDSHIP

Reported in: Webb, E.
Character and Intelligence. An Attempt at an Exact Study of Character.
Cambridge University Press, 1915, London, UK
Page in Report: 26

Population: Male college students, England, 1912

Sample:

Non-Response: -

N: 194

Correlate

Authors label: Fondness for small circle of intimate friends (1)

Our classification: Satisfactions with friends, code F6.6.2

Measurement: Trained peer rating on a 7-point scale on the basis of observation during 6 months.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
<td>r=-.14</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Satisfactions with friends
Subject code: F6.6.2

Study

WESSM 1956

Reported in: Wessman, A.E.
A Psychological Inquiry into Satisfaction and Happiness.
Unpublished Doctoral Dissertation, Princeton University, 1956, USA
Page in Report: 201

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

Sample:

Non-Response: -
Findings on Happiness and FRIENDSHIP

N:  2377

Correlate

Authors label:  Satisfaction with friends (1)

Our classification:  Satisfactions with friends, code F6.6.2

Measurement:  Closed question:
  0 Wish to move to a 'different circle'
  1 Satisfied.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/g/sq/v/3/c</td>
<td>G =+.43 p&lt;. 01</td>
<td>Stronger among those who are not getting along well with their family and/or are dissatisified with their job.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Unaffected by sex, education, age, income, S.E.S., marital status, and race</td>
</tr>
</tbody>
</table>

Appendix 1: Happiness Items used

Happiness Item Code  Full Text

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

A-ARE/mi/sqr/n/7/a Selfreport on single question repeated several times a day.

".. mood .."
Full lead question not reported
7 happy
6
5
4
3
2
1 sad

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)
Findings on Happiness and FRIENDSHIP

Selfreport on 13 questions:

"During the past four weeks have you ever felt...?" (yes/no)

A Pleased about having accomplished something.
B Things going my way.
C Proud because someone complimented me on something I had done.
D Particularly excited or interested in something I had done.
E On top of the world.
F A deep sense of joy.
G Pleased because my life feels orderly and secure.
H Bored.
I Very lonely and remote from other people.
J Jealous of somebody.
K Angry with someone.
L Disappointed in myself.
M Unhappy about the small number of times I have pleasant feelings and experiences.

Answer options:
0 no
yes
If yes: How often did you feel so?
5 every day
4 several times a week
3 once a week
2 2 or 3 times a month
1 once a month

Summation:
- Positive Affect Score (PAS): Average A to G
- Negative Affect Score (NAS): Average H to M
- Affect Balance Score (AB): PAS minus NAS
Possible range: +42 tot -30

Name: Bradburn's "Affected Balance Scale" (modified version)
Findings on Happiness and FRIENDSHIP

A-BB/cw/mq/v2/a Selfreport on 10 questions:

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

A So restless that you could not sit long in a chair
B Proud, because someone had complimented you
C Very lonely or remote from people?
D Pleased about having accomplished something
E Bored
F On top of the world?
G Depressed
H That things were going your way?
I Upset because someone criticized you?
J Could not do anything, simply because you could not start?

Answer options and scoring:
- yes = 1
- no = 0

Summation:
Positive Affect Score (PAS): summed scores on B,D,F,H
Negative Affect Score (NAS): summed scores on A,C,E,G,I,J
Affect Balance Score (ABS): PAS minus NAS

Possible range -6 to +4

Name: Bradburn's `Affect Balance Scale' (adapted version)

A-BB/cw/mq/v4/e 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 to +12

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

Selfreport on 10 questions:

We are interested in how people are feeling these days. The following items describe some of the ways people feel at different times. Please indicate how often you felt each way during the last week.

A Pleased about having accomplished something.
B That things were going my way.
C Proud because someone complimented me on something I had done.
D Particularly excited or interested in something I had done.
E On top of the world.
F Upset because someone criticized you
G So restless that you could not sit long in a chair
H Bored
I Very lonely or remote from other people
J Depressed or very unhappy

Answer options:
0 not at all
1 once
2 several times
3 often

Summation:
- Positive Affect Score (PAS): Average A to E
- Negative Affect Score (NAS): Average F to J
- Affect Balance Score (AB): PAS minus NAS

Possible range: -25 to +25

Name: Bradburn's 'Affected Balance Scale' (modified version)
A-CP/g/rdp/ro/7/a  Peer rating on single question (based on contact during 6 months):

Rater instruction: "personal qualities are named and briefly annotated in this schedule. If you have any doubt as to the meaning of any of them, please ask me (investigator)

1. In the columns under each subject's name, place one of the marks for each of the qualities specified (+3, +2, +1, 0, -1, -2, -3) To avoid errors, please put the + sign as well as the -

'General tendency to be 'cheerful' (as opposed to being depressed and low spirited)
+3 very high compared to average
+2 distinctly above average
+1 slightly above average
0 average
-1 slightly below average
-2 distinctly below average
-3 lowest as compared to average

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-BW/c/sq/l/11/a  Selfreport on single question:

"Here is a picture of a ladder. Suppose we say that the top of the ladder 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 self anchoring ladder rating of life (original)
Findings on Happiness and FRIENDSHIP

Various self reports and informant rating

A Selfreport on five questions repeated three times during semester:
- a. In most ways my life is close to ideal
- b. The conditions of my life are excellent
- c. I am satisfied with my life
- d. So far, I have gotten the important things I want in life
- e. If I could live my life over, I would change nothing

Answers rated: 7 strongly agree ...1 strongly disagree
(Diener's Satisfaction With Life Scale, SWLS)

B Selfreport on 24 questions:
How much of each mood did you experience in the last month?

BA LOVE
- a. Affection
- b. love
- c. caring
- d. fondness

BB JOY
- a. joy
- b. happiness
- c. contentment
- d. pride

BC FEAR
- a. fear
- b. worry
- c. anxiety
- d. nervous

BD ANGER
- a. anger
- b. irritation
- c. disgust
- d. rage

BE SHAME
- a. shame
- b. guilt
- c. regret
- d. embarrassment

BF SADNESS
- a. sadness
- b. loneliness
- c. unhappiness
- d. depression

Rated: 0 = not at all ...6 extremely much
Summation: balance score (BA + BB)/2 - (BC + BD + BE + BF)/4

C Rating of B by five informants

D Selfreport of daily affect on B

Summation: z-scores
Findings on Happiness and FRIENDSHIP

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:

"......happiness during past few weeks....."
(Full lead not reported)
4 very happy
3
2
1 not too happy

Selfreport on single question:

Use the list below to answer the following question: IN GENERAL, HOW HAPPY OR UNHAPPY DO YOU USUALLY FEEL? Check the one statement that best describes your average happiness.
10 extremely happy (feeling ecstatic, joyous, fantastic!)
9 very happy (feeling really good and 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 slightly unhappy (just a bit below neutral)
4 mildly unhappy (just a bit low)
3 pretty unhappy (somewhat "blue", spirits down)
2 very unhappy (depressed, spirits very low)
1 extremely unhappy (utterly depressed, completely down)

Name: Fordyce's overall happiness item.

Selfreport on single question:

Do you feel.....?
3 happy
2 not too happy
1 unhappy
Findings on Happiness and FRIENDSHIP

O-DT/c/sq/v/7/aa Selfreport on single question:

How do you feel about your life as a whole right now.....?
7 delightfull
6 very satisfying
5 satisfying
4 mixed
3 dissatisfying
2 very dissatisfying
1 terrible
No opinion

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

O-DT/c/sq/v/7/b Selfreport on single question:

How do you feel about your life as a whole right now.....?
1 terrible
2 unhappy
3 mostly dissatisfied
4 mixed (about equally satisfied and dissatisfied)
5 mostly satisfied
6 pleased
7 delighted
neutral (neither satisfied nor dissatisfied)
- I never thought about it
- does not apply to me

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

O-DT/c/sq/v/7/c Selfreport on single question:

Indicate the feeling you have now, generally speaking, how do you feel about your life...?
1 terrible
2 unhappy
3 mostly dissatisfied
4 mixed (about equally satisfied and dissatisfied)
5 mostly satisfied
6 pleased
7 delighted
neutral (neither satisfied nor dissatisfied)
-9 never thought about it
-10 does not apply to me

Scoring: 8, 9 and 10 left out
Findings on Happiness and FRIENDSHIP

Selfreport 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
1 terrible

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

Selfreport on single question asked twice in interview,

"How do you feel about your life as a whole......?"
10 delightful
9
8
7
6
5
4
3
2
1 terrible

Summation: mean

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

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)
Also known as Lehman's 'Global lifesatisfaction'
Findings on Happiness and FRIENDSHIP

O-DT/u/sqt/v/9/a  Selfreport on single question asked twice

'How do you feel about your life as a whole?'
1 terrible
2 very unhappy
3 unhappy
4 mostly dissatisfied
5 mixed feelings
6 mostly satisfied
7 pleased
8 very pleased
9 delighted

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/ad  Selfreport on single question:

Taking all things together, how would you say you are these days? Would you say you are........? 
3 very happy
2 pretty happy
1 not too happy

O-HL/c/sq/v/3/ag  Selfreport on single question:

Taken all things together, how would you say things are these days. Would you say you were...? 
1 not too happy
2 pretty happy
3 very happy

O-HL/c/sq/v/3/f  Selfreport on single question:

Considering everything that has happened to you recently, how would you say things are with you - would you say you are.....? 
3 very happy
2 pretty happy
1 not too happy
Findings on Happiness and FRIENDSHIP

O-HL/c/sq/v/4/a Selfreport on single question:

Do you feel your life at present is.....?
4 very happy
3 quite happy
2 quite unhappy
1 very unhappy

O-HL/c/sq/v/4/b Selfreport on single question:

Is your life at this moment ....? 
4 very happy
3 fairly happy
2 fairly unhappy
1 very unhappy

O-HL/c/sq/v/4/d Selfreport on single question:

Do you feel that your life at present is.....?
4 very happy
3 quite happy
2 unhappy
1 very unhappy

O-HL/c/sq/v/5/c Selfreport on single question:

"Taking all things together, how would you say you are these days.....?"
5 extremely happy
4 very happy
3 happy
2 pretty happy
1 not too happy

O-HL/c/sq/v/5/h Selfreport on single question

'How happy are you now?'
5 very happy
4 happy
3 neither happy nor unhappy
2 unhappy
1 very unhappy

Original text in Danish:
'Hvor lykkelig er du for tiden?'
5 meget lykkelig
4 lykkelig
3 hverken eller
2 ulykkelig
1 meget ulykkelig
Findings on Happiness and FRIENDSHIP

O-HL/c/sq/v/7/a Selfreport on single question:

In general, how happy would you say you are these days.....?
7 extremely happy
6 very happy
5 pretty happy
4 not too happy
3 a bit unhappy
2 pretty unhappy
1 very unhappy

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/g/sq/v/4/g Selfreport on single question:

If you were to consider your life in general, how happy or unhappy would you say you are on the whole?
4 very happy
3 fairly happy
2 fairly unhappy
1 very unhappy

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/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.
Findings on Happiness and FRIENDSHIP

O-HL/u/sq/v/7/a Selfreport on single question:

Considering your life as a whole, would you describe it as.....?
1 very unhappy
2 unhappy
3 an even mixture of unhappiness and happiness
4 happy
5 very happy
no opinion

O-HP/g/sq/ol/7/a Selfreport on single question:

"Generally speaking are you a happy person.......?"

Responses were made on an open line scale, and were later coded in 7 categories:
1 very unhappy
2
3
4
5
6
7 very happy.

O-QOL/cm/sq/v/5/a Selfreport on single question:

We ask you to think about your life in the last two weeks....

How would you rate your quality of life?
1 very poor
2 poor
3 neither poor nor good
4 good
5 very good

Item 1 in WHOQOL-Bref

O-SL/?/?/sq/v/5/a Selfreport on single question:

"....... satisfaction with life ....."
(full question not reported)
5 very satisfied
4 satisfied
3 don't know/satisfied
2 don't know/not satisfied
1 disappointed in life
Findings on Happiness and FRIENDSHIP

O-SL?/c/sq/v/3/a Selfreport on single question:

".....satisfaction with present life....."
(Full lead item not reported)
1
2
3
(Response options not reported)

O-SLu/c/sq/n/10/b Selfreport on single question:

All things considered, how satisfied or dissatisfied are you with your life these days?
Please tell me on a scale of 1 to 10, where one means very dissatisfied and 10 means very satisfied
10 very satisfied
9
8
7
6
5
4
3
2
1 very dissatisfied

O-SLu/c/sq/n/7/b Selfreport on single question:

"All in all, how satisfied are you with your life these days.....?"
1 very dissatisfied
2
3
4
5
6
7 very satisfied

O-SLu/c/sq/v/5/e Selfreport on single question:

'How satisfied are you with your life now?'
5 very satisfied
2 satisfied
3 neither satisfied nor dissatisfied
2 dissatisfied
1 very dissatisfied

Original text in Danish:
'Hvor tilfreds er du med dit liv for tiden?'
5 meget tilfreds
4 tilfreds
3 hverken tilfreds eller utilfreds
2 utilfreds
Findings on Happiness and FRIENDSHIP

1 meget utilfreds

Selfreport on single question:

"On the whole, how satisfied would you say you are with your life.....?"
1 not very satisfied
2 fairly satisfied
3 very satisfied

Selfreport on single question:

How satisfied are you with your life in general?
1 very dissatisfied
2
3
4
5 very satisfied

Selfreport on single question:

Overall, how satisfied are you with your life.....?
4 very satisfied
3 satisfied
2 dissatisfied
1 very dissatisfied.

Selfreport on single question

..satisfaction with life as a whole.. (full item not reported)
7 very satisfied
6
5
4 just as satisfied as dissatisfied
3
2
1 very dissatisfied

(numbering reversed)
Findings on Happiness and FRIENDSHIP

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

Selfreport on single question:

All things considered, how satisfied are you with your life as-a-whole these days?
1 not satisfied at all
2
3
4
5
6
7
8
9
10 completely satisfied

Selfreport on single question:

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
Findings on Happiness and FRIENDSHIP

O-SLW/c/sq/n/11/d Selfreport on single question:

Taking all things together, how satisfied are you with your life these days? Please answer with the help of this scale. For instance, when you are totally satisfied with your life, please tick '10'. When you are totally unsatisfied with your life, please tick '0'. You may use all values in between to indicate that you are neither totally satisfied nor totally unsatisfied.

10 totally satisfied
9
8
7
6
5
4
3
2
1
0 totally unsatisfied

O-SLW/c/sq/n/7/a Selfreport on single question:

We have talked about various parts of your life, now I want to ask you about your life as a whole. How satisfied are you with your life as a whole these days.....?

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

O-SLW/c/sq/v/4/g Selfreport on single question:

How satisfied are you with your life as a whole these days?

4 quite satisfied
3 rather satisfied
2 rather unsatisfied
1 not at all satisfied
- no answer
- hard to say
Findings on Happiness and FRIENDSHIP

O-SLW/c/sq/v/5/n Selfreport on single question

Now taking everything into account, how satisfied or dissatisfied are you with your life these days?
5 very satisfied
4 satisfied
3 neither satisfied nor dissatisfied
2 dissatisfied
1 very dissatisfied
- don't know
- no answers

Numerical scale reversed

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

O-SLW/u/sq/n/11/a Selfreport on single question:

All things considered, how satisfied or dissatisfied are you with your life as a whole?
10 completely satisfied
9
8
7
6
5
4
3
2
1
0 completely dissatisfied
Findings on Happiness and FRIENDSHIP

Selfreport on single question:

Tell me how much you are satisfied or dissatisfied with your life as a whole
1 very dissatisfied
2
3
4
5
6
7 very satisfied

Last item in a series of questions about satisfaction with various domains in life

Selfreport on single question:

How dissatisfied or satisfied are you with.. Your life overall?
1 not satisfied at all
2
3
4
5
6
7 completely satisfied

Selfreport on single question:

All in all, how satisfied would you say you are with your life as a whole?
1 not at all satisfied
2 not too satisfied
3 very satisfied
4 extremely satisfied

Selfreport on single question:

"On the whole, are you satisfied with your life.....?"
5 definitely yes
4 rather yes
3 don't know
2 rather no
1 definitely no
- no reply
Findings on Happiness and FRIENDSHIP

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.

Selfreport on single question:

Considering everything, how satisfied are you with your life as whole.....?
7 completely satisfied
6 satisfied
5 mostly satisfied
4 satisfied/dissatisfied
3 dissatisfied
2 very dissatisfied
1 completely dissatisfied

Selfreport on single question, asked twice in interview:

 Considering everything, how satisfied are you with your life as a whole........?
7 completely satisfied
6
5
4
3
2
1 completely dissatisfied

Summation: both scores added
Possible range: 2 to 14

Self report on 8 items

A How do you feel about your life as a whole?
Rated on a 9-step Delighted-Terrible scale
Asked twice in the interview with 15 minutes interval

B a In most ways my life is close to ideal
b The conditions of my life are excellent
c I am satisfied with my life
d So far, I have gotten the important things I want in life
e If I could live my life over, I would change nothing'
Answers rated: 7 strongly agree to 1 strongly disagree

C How do you feel usually?
Findings on Happiness and FRIENDSHIP

0 extremely unhappy
10 extremely happy

Computation: factor

O-Sum/umq/*/0/b Selfreport in 2 questions:

A. "How satisfied are you with your life as a whole these days?"
10 completely satisfied
9
8
7
6
5
4
3
2
1
0 not at all satisfied

B. "Where would you place your life as a whole?"
Rated on a thermometer scale.
100 perfect, as good as you can imagine it being
90
80
70
60
50
40
30
20
10
0 terrible, as bad as you can imagine it being

Summation: factor loading
Appendix 2: Statistics used

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Explanation</th>
</tr>
</thead>
</table>
| B      | REGRESSION COEFFICIENT (non-standardized) by LEAST SQUARES (OLS) Type: test statistic Measurement level: Correlate: metric, Happiness: metric Theoretical range: unlimited  
  Meaning:  
  B > 0 A higher correlate level corresponds with, on an average, higher happiness rating.  
  B < 0 A higher correlate level corresponds with, on an average, lower happiness rating.  
  B = 0 No any correlation with the relevant correlate. |
| Beta   | (ß) STANDARDIZED REGRESSION COEFFICIENT by LEAST SQUARES (OLS) 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 = +1 or -1 perfect correlation.  
  Remark: Mean of observations is subtracted from all observations if standardized. |
| DM     | DIFFERENCE of MEANS Type: descriptive statistic only. Measurement level: Correlate: dichotomous, Happiness: metric Range: depending on the happiness rating scale of the author; range symmetric about zero.  
  Meaning: the difference of the mean happiness, as measured on the author's rating scale, between the two correlate levels. |
| DMt    | DIFFERENCE of MEANS AFTER TRANSFORMATION Type: descriptive statistic only. Measurement level: Correlate: dichotomous, Happiness: metric Theoretical range: [-10; +10]  
  Meaning: the difference of the mean happiness (happiness measured at a 0-10 rating scale) between the two correlate levels. |
Dyx | SOMERS' ASYMMETRIC TEST STATISTIC
---|---
Type: test statistic
Measurement level: Correlate: ordinal, Happiness: ordinal
Range: [-1; +1]
Meaning:
Dyx = 0 « no rank correlation
Dyx = +1 « strongest possible rank correlation, where high correlate values correspond with high happiness ratings.
Dyx = -1 « strongest possible rank correlation, where high correlate values correspond with low happiness ratings.

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 $E^2 \times 100\%$ of the variation in happiness.
$E^2 = 0 «$ knowledge of the correlate value does not improve the prediction quality of the happiness rating.
$E^2 = 1 «$ 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
$G = +1 «$ 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.

Gₜ | PARTIAL GAMMA. See: GAMMA
---|---
Range: [-1, +1].
Seldom used in happiness research. See excerpted report.

MCT | Multiple Comparison Test, variant not specified.
---|---
Possible variants: Scheffe, Tukey, Student/Newman/Keuls, Bonferoni (BMCT)
Findings on Happiness and FRIENDSHIP

**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.

**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,

**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

**TSCHUPROW'S T**
Type: test statistic.
Measurement level: Correlate: nominal, Happiness: ordinal
Range: \([0 ; \sqrt{\frac{\min(r,c)-1}{\max(r,c) -1}}]\), c and r being the numbers of columns resp. rows in a cross tabulation.

Meaning:
\( T = 0 \) « no association  
\( T -> 1 \) « strongest possible association.

**NOTE:** sometimes the square value is reported instead!
Findings on Happiness and FRIENDSHIP

**t-statistic (Student's t-statistic)**
Type: symmetric standard test statistic.
One parameter: \( n \) (= number of degrees of freedom (df); range df: \([1; + \text{infinite})\)
Range for \( t \): unlimited

Meaning: the test statistic is the ratio of a difference between a statistic and its expected value under the null hypothesis and its (estimated) standard error with \( n \) degrees of freedom.
The critical values of its probability distribution are tabulated extensively in almost any textbook on Statistics.

**Kendall's rank correlation coefficient Tau-b**
Type: test statistic
Measurement level: Correlate: ordinal, Happiness: ordinal
Range: \([-1; +1]\)

Meaning:
\( \tau_b = 0 \) « no rank correlation
\( \tau_b = 1 \) « perfect rank correlation, where high values of the correlate correspond with high happiness ratings.
\( \tau_b = -1 \) « perfect rank correlation, where high values of the correlate correspond with low happiness ratings.

**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:
\( \tau_c = 0 \) « no rank correlation
\( \tau_c = 1 \) « perfect rank correlation, where high values of the correlate correspond with high happiness ratings.
\( \tau_c = -1 \) « perfect rank correlation, where high values of the correlate correspond with low happiness ratings.

Appendix 3: About the World Database of Happiness

**Structure of the collections**

The World Database of Happiness is an ongoing register of scientific research on the subjective enjoyment of life. It brings together findings that are scattered throughout many studies and provides a basis for synthetic work.

World literature on Happiness

Selection on subject

Bibliography and Directory

Selection of empirical studies

Selection on valid measurement: Item Bank

Abstracting and classification of findings

How happy people are, distributional findings

Happiness in Nations, Happiness in Publics

What goes together with happiness

Correlational Findings

Listing of comparable findings in Nations

States of Nations, Trends in Nations

Size of the collections
1226 Happiness measures (Item Bank)
4258 Nations surveys in 206 Nations
149 Distinguished publics in 1199 studies
12032 Correlational findings in 1196 studies

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

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### Findings on Happiness and FRIENDSHIP

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### Appendix 5: Related Subjects

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A report of the World Database of Happiness, Correlational Findings