# World Database of Happiness

## Correlational Findings on Happiness and STIMULANTS

**Subject Code: S13**

© on data collection: Ruut Veenhoven, Erasmus University Rotterdam

### 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>S13</td>
<td>STIMULANTS</td>
<td>1</td>
</tr>
<tr>
<td>S13.1</td>
<td>User career</td>
<td>0</td>
</tr>
<tr>
<td>S13.1.1</td>
<td>Earlier use of stimulants</td>
<td>7</td>
</tr>
<tr>
<td>S13.1.2</td>
<td>Change in use of stimulants</td>
<td>2</td>
</tr>
<tr>
<td>S13.1.4</td>
<td>Later use of stimulants</td>
<td>4</td>
</tr>
<tr>
<td>S13.2</td>
<td>Current use of stimulants</td>
<td>3</td>
</tr>
<tr>
<td>S13.2.1</td>
<td>Use of alcohol</td>
<td>13</td>
</tr>
<tr>
<td>S13.2.2</td>
<td>Use of amphetamines</td>
<td>1</td>
</tr>
<tr>
<td>S13.2.3</td>
<td>Use of barbiturates</td>
<td>3</td>
</tr>
<tr>
<td>S13.2.4</td>
<td>Use of cocaine</td>
<td>0</td>
</tr>
<tr>
<td>S13.2.5</td>
<td>Use of coffee</td>
<td>0</td>
</tr>
<tr>
<td>S13.2.6</td>
<td>Use of heroine</td>
<td>0</td>
</tr>
<tr>
<td>S13.2.7</td>
<td>Use of marihuana, hash</td>
<td>1</td>
</tr>
<tr>
<td>S13.2.8</td>
<td>Use of tobacco</td>
<td>13</td>
</tr>
<tr>
<td>S13.3</td>
<td>Attitudes to own use of stimulants</td>
<td>1</td>
</tr>
<tr>
<td>S13.3.2</td>
<td>Satisfaction with use of stimulants</td>
<td>0</td>
</tr>
<tr>
<td>Appendix 1</td>
<td>Happiness Items used</td>
<td></td>
</tr>
<tr>
<td>Appendix 2</td>
<td>Statistics used</td>
<td></td>
</tr>
<tr>
<td>Appendix 3</td>
<td>About the World Database of Happiness</td>
<td></td>
</tr>
<tr>
<td>Appendix 4</td>
<td>Further Findings in the World Database of Happiness</td>
<td></td>
</tr>
<tr>
<td>Appendix 5</td>
<td>Related Subjects</td>
<td></td>
</tr>
</tbody>
</table>

### 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 STIMULANTS
World Database of Happiness, Correlational Findings
Internet: worlddatabaseofhappiness.eur.nl
Erasmus University Rotterdam, 2009, Netherlands
### Correlational finding on Happiness and STIMULANTS

**Subject code: S13**

<table>
<thead>
<tr>
<th>Study</th>
<th>KAINU 1998</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample:</td>
<td>Probability sample (unspecified)</td>
</tr>
<tr>
<td>Non-Response:</td>
<td>not rep</td>
</tr>
<tr>
<td>N:</td>
<td>2682</td>
</tr>
</tbody>
</table>

#### Correlate

<table>
<thead>
<tr>
<th>Authors label:</th>
<th>Been offered drugs (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Our classification:</td>
<td>STIMULANTS, code S13</td>
</tr>
<tr>
<td>Measurement:</td>
<td>Have you experienced been offered drugs (a) during the last year? (b) ever in your life?</td>
</tr>
<tr>
<td>Answers:</td>
<td>No(=0) or Yes(=1).</td>
</tr>
</tbody>
</table>

**Measured Values:** Never: N = 2134 Ever in your life: N = 347

### 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/v/5/g</td>
<td>$r = .06$</td>
<td>during the last year</td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/g</td>
<td>$r = .07$</td>
<td>ever in your life</td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/g</td>
<td>DM=</td>
<td>never:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M = 3.88</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ever in your life:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M = 3.72</td>
</tr>
<tr>
<td></td>
<td></td>
<td>95% CI for difference: [0.06 ; 0.26]</td>
</tr>
</tbody>
</table>

### Correlational finding on Happiness and Earlier use of stimulants

**Subject code: S13.1.1**
Findings on Happiness and Stimulants

Study  
**BRENN 1967**

*Reported in:* Brenner, B  
*Patterns of Alcohol Use, Happiness and the Satisfaction of Wants.*  
*Quarterly Journal of Studies on Alcohol, 1967, Vol. 28, 667 - 675*  
*Page in Report: 671*

*Population:* 21+ aged, general public, non-institutionalized, USA, 1963

*Sample:
*Non-Response: 4% incomplete

*N: 1499*

Correlate

*Authors label:* Being an ex-drinker (1)

*Our classification:* Earlier use of stimulants, code S13.1.1

*Measurement:* Alcohol users vs ex-drinkers (those who always abstained excluded)

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-W/u/sq/v/2/a</td>
<td>G = -.12 ns</td>
<td>Not doing too well in getting the things they want: G' = +.17 (ns)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Doing pretty well    : G' = -.10 (ns)</td>
</tr>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>G = -.35 p&lt; 01</td>
<td>Very happy : G' = -.51 (05)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pretty happy : G' = -.43 (01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not too happy : G' = +.00 (ns)</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Earlier use of stimulants  
**Subject code: S13.1.1**

Study  
**BRENN 1967**

*Reported in:* Brenner, B  
*Patterns of Alcohol Use, Happiness and the Satisfaction of Wants.*  
*Quarterly Journal of Studies on Alcohol, 1967, Vol. 28, 667 - 675*  
*Page in Report: 671*

*Population:* 21+ aged, general public, non-institutionalized, USA, 1963

*Sample:*

*Non-Response: 4% incomplete*
Correlate

Authors label: Being an ex-drinker (2)

Our classification: Earlier use of stimulants, code S13.1.1

Measurement: Always abstained vs ex-drinkers. (Alcohol users excluded)

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>
| C-W/u/sq/v/2/a     | G = -0.08  | Not doing too well in getting the things they want: G' = -0.13
|                   |            | Doing pretty well: G' = 0.05 |
| O-HL/c/sq/v/3/aa   | G = -0.28  | Pretty happy: G' = -0.46
|                   |            | Very happy: G' = -0.17
|                   |            | Not too happy: G' = 0.02 |

Correlational finding on Happiness and Earlier use of stimulants

Subject code: S13.1.1

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: 190

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

Sample: Non-probability purposive sample

Non-Response: 39%

N: 1494

Correlate

Authors label: psychotropic drugs (1)

Our classification: Earlier use of stimulants, code S13.1.1
Findings on Happiness and STIMULANTS

**Measurement:** Single question:
"Have you ever tried any of the following drugs ?"
- a: no drugs
- b: hash
- c: LSD
- d: Psilosybin (magic mushrooms)
- e: Amphetamine (speed)
- f: Cocaine
- g: Methadone
- h: Heroine, morphine
- i: Tranquilizers mixed with alcohol

**Measured Values:** N: a:1083, b:367, c:17, d:18, e:49, f:17, g:6, h:6, i:7

**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>DMt=</td>
<td>a: Mt=7.80</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b: Mt=7.69</td>
</tr>
<tr>
<td></td>
<td></td>
<td>c: Mt=6.91</td>
</tr>
<tr>
<td></td>
<td></td>
<td>d: Mt=8.05</td>
</tr>
<tr>
<td></td>
<td></td>
<td>e: Mt=8.01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>f: Mt=7.06</td>
</tr>
<tr>
<td></td>
<td></td>
<td>g: Mt=6.66</td>
</tr>
<tr>
<td></td>
<td></td>
<td>h: Mt=7.91</td>
</tr>
<tr>
<td></td>
<td></td>
<td>i: Mt=7.14</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All Mt=7.76</td>
</tr>
</tbody>
</table>

| O-SLu/c/sq/v/5/e   | DMt=       | a: Mt=7.51          |
|                   |            | b: Mt=7.25          |
|                   |            | c: Mt=6.48          |
|                   |            | d: Mt=6.66          |
|                   |            | e: Mt=7.50          |
|                   |            | f: Mt=6.33          |
|                   |            | g: Mt=6.25          |
|                   |            | h: Mt=7.09          |
|                   |            | i: Mt=6.43          |
|                   |            | All Mt=7.40         |

| O-HL/c/sq/v/5/h    | DMt=       | a: Mt=6.99          |
|                   |            | b: Mt=6.94          |
|                   |            | c: Mt=6.03          |
|                   |            | d: Mt=6.66          |
|                   |            | e: Mt=6.84          |
|                   |            | f: Mt=5.89          |
|                   |            | g: Mt=5.84          |
|                   |            | h: Mt=5.00          |
|                   |            | i: Mt=5.36          |
|                   |            | All Mt=6.91         |

**Correlational finding on Happiness and Earlier use of stimulants**

Subject code: S13.1.1

Study: VENTE 1996

http://www.livskvalitet.org/t2/index.asp
Page in Report: 194

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: smoking

Our classification: Earlier use of stimulants, code S13.1.1

Measurement: Single question:
"Do you smoke?"
1: No, I have never smoked
2: No, I stopped more than a year ago
3: No, I stopped less than a year ago
4: Yes, now and then
5: Yes, daily

Measured Values: N: a All:4590; 1:31,1%; 2:11,9%; 3:4,3%; 4:6,3%; 5:46,4%

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= .06</td>
<td>1: Mt=7.84</td>
</tr>
<tr>
<td></td>
<td>p&lt;0.0</td>
<td>2: Mt=7.94</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: Mt=7.93</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4: Mt=7.75</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5: Mt=7.60</td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/e</td>
<td>r= .07</td>
<td>1: Mt=7.54</td>
</tr>
<tr>
<td></td>
<td>p&lt;0.0</td>
<td>2: Mt=7.75</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: Mt=7.40</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4: Mt=7.39</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5: Mt=7.25</td>
</tr>
</tbody>
</table>
Findings on Happiness and STIMULANTS

Correlational finding on Happiness and Earlier use of stimulants
Subject code: S13.1.1

Study

VENTE 1996

Reported in: Ventegodt, S.
Lisvklæftet hos 4500 31-33-årige. (The Quality of Life of 4500 31-33-Years-Olds).
Page in Report: 198

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: psychotropic drugs

Our classification: Earlier use of stimulants, code S13.1.1

Measurement:
Single question:
"Have you ever tried any of the following drugs?"
1: no drugs
2: one of the following drugs:
   2b: hash
   2c: LSD
   2d: Psilosybin (magic mushrooms)
   2e: Amphetamine (speed)
   2f: Cocaine
   2g: Methadone
   2h: Heroine, morphine
   2i: Tranquilizers mixed with alcohol

Measured Values: N: All:6277; %:2:42,9; 2b:55,7; 2c:3,0; 2d:51,2; 2e:14,3; 2f:6,0; 2g:1,4; 2h:2,8; 2i:4,7

Remarks: because the categories are overlapping, N and percentages sum to over 100%

Observed Relation with Happiness

\[ r = -0.06 \]
\[ p < 0.00 \]

1: Mt=7,13
2: Mt=7,26
3: Mt=7,19
4: Mt=6,98
5: Mt=6,88
### Findings on Happiness and STIMULANTS

#### Happiness Measure

<table>
<thead>
<tr>
<th>Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/m/sq/v/5/a</td>
<td>DMt=</td>
<td>1: Mt=7.90 2: Mt=7.45 2b: Mt=7.64 2c: Mt=7.20 2d: Mt=7.40 2e: Mt=7.38 2f: Mt=7.35 2g: Mt=6.53 2h: Mt=6.69 2i: Mt=6.55</td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/e</td>
<td>DMt=</td>
<td>1: Mt=7.63 2: Mt=7.08 2b: Mt=7.28 2c: Mt=6.56 2d: Mt=7.03 2e: Mt=6.91 2f: Mt=7.04 2g: Mt=6.21 2h: Mt=6.40 2i: Mt=6.20</td>
</tr>
<tr>
<td>O-HL/c/sq/v/5/h</td>
<td>DMt=</td>
<td>1: Mt=7.21 2: Mt=6.74 2b: Mt=6.89 2c: Mt=6.51 2d: Mt=6.65 2e: Mt=6.61 2f: Mt=6.76 2g: Mt=6.14 2h: Mt=6.11 2i: Mt=6.04</td>
</tr>
</tbody>
</table>

#### Correlational finding on Happiness and Earlier use of stimulants

Subject code: S13.1.1

Study: **VENTE 1996**

- Page in Report: 196

- 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:** smoking per day (cigarettes equivalents)

**Our classification:** Earlier use of stimulants, code S13.1.1

**Measurement:**
Single question:
"On the average, how much do you smoke a day? (cigarette equivalents)?"
1: 0 (cigarettes)
2: 1-2
3: 3-5
4: 6-10
5: 11-20
6: 21-40
7: > 40

**Measured Values:** N: 1:48,6%; 2:2,4%; 3:3,4%; 4:8,9%; 5:29,8%; 6:6,7%; 7:0,2%

### 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=.07</td>
<td>1: Mt=7.86</td>
</tr>
<tr>
<td></td>
<td>p&lt;.00</td>
<td>2: Mt=7.58</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: Mt=7.89</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4: Mt=7.84</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5: Mt=7.71</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6: Mt=6.86</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7: Mt=7.23</td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/e</td>
<td>r=.08</td>
<td>1: Mt=7.56</td>
</tr>
<tr>
<td></td>
<td>p&lt;.00</td>
<td>2: Mt=7.29</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: Mt=7.39</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4: Mt=7.48</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5: Mt=7.36</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6: Mt=6.60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7: Mt=6.39</td>
</tr>
<tr>
<td>O-HL/c/sq/v/5/h</td>
<td>r=.07</td>
<td>1: Mt=7.16</td>
</tr>
<tr>
<td></td>
<td>p&lt;.00</td>
<td>2: Mt=6.88</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: Mt=6.98</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4: Mt=6.99</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5: Mt=6.98</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6: Mt=6.34</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7: Mt=7.23</td>
</tr>
</tbody>
</table>

### Correlational finding on Happiness and Earlier use of stimulants

**Subject code:** S13.1.1
Findings on Happiness and STIMULANTS

Study

VENTE 1997

Reported in: Ventegodt, S.
Livskvalitet og Omstændigheder Tidligt I Livet. (The Quality of Life and Factors in Pregnancy, Birth and Infancy).
Forskningscenter for Livskvalitet, Forskningscentrets Forlag, København, Denmark, ISBN 8790190130
Page in Report: 176

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

Correlate

Authors label: Mother's smoking in third trimester of pregnancy
Our classification: Earlier use of stimulants, code S13.1.1
Measurement: Mother's smoking in third trimester of pregnancy as reported in medical file
1: less than 3 cigarettes a day
2: 3-10 cigarettes a day
3: more than 10 cigarettes a day

Measured Values: N: all:4260, 1:56.4%, 2:29.7%, 3:13.8%

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>
| A-AOL/m/sq/v/5/a  | DMt=±      | 1: Mt=7.74
|                   |            | 2: Mt=7.76
|                   |            | 3: Mt=7.64
|                   | r=-0.01    | p<4518
|                   | r=-0.02    | p<2042
|                   | DMt=−      | 1: Mt=7.43
|                   |            | 2: Mt=7.46
|                   |            | 3: Mt=7.24
| O-HL/c/sq/v/5/h   | DMt=−      | 1: Mt=7.04
|                   |            | 2: Mt=7.03
|                   |            | 3: Mt=6.89

### Correlational finding on Happiness and Change in use of stimulants

**Subject code: S13.1.2**

<table>
<thead>
<tr>
<th>Study</th>
<th>GRAHA 2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population:</td>
<td>10+ aged, followed 5 years, Russia 1995-2000</td>
</tr>
<tr>
<td>Sample:</td>
<td>Probability sample (unspecified)</td>
</tr>
<tr>
<td>Non-Response:</td>
<td></td>
</tr>
<tr>
<td>N:</td>
<td>5269</td>
</tr>
</tbody>
</table>

### Correlate

**Authors label:** Change in level of drinking  
**Our classification:** Change in use of stimulants, code S13.1.2  
**Measurement:** Self report on single question: How often have you used alchoholic beverages?  
**Remarks:** Assessed at T1 (1995) and T2 (2000)  
Russia went through major changes in this era, among which a financial crisis in 1998

### 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/5/n</td>
<td>Beta = .01</td>
<td>T1-T2 CHANGE in happiness by T1-T2 CHANGE in drinking</td>
</tr>
</tbody>
</table>
|                   | ns         | Beta controlled for change in:  
|                   |            | - static variables  
|                   |            | - age  
|                   |            | - male  
|                   |            | - minority  
|                   |            | - status variables  
|                   |            | - income  
|                   |            | - education level  
|                   |            | - educational participation  
|                   |            | - health (illness, hospital, problems)  
|                   |            | - marital status |
Correlational finding on Happiness and Change in use of stimulants  
**Subject code: S13.1.2**

**Study**  
GRAHA 2004

*Reported in:* Graham, C.; Eggers, A; Sukhtankar, S.  
Does Happiness Pay? An Exploration based on Panel Data from Russia  
Page in Report: 331

*Population:* 10+ aged, followed 5 years, Russia 1995-2000

*Sample:* Probability sample (unspecified)

*Non-Response:*  
N: 5269

**Correlate**

*Authors label:* Change in smoking

*Our classification:* Change in use of stimulants, code S13.1.2

*Measurement:* T1-T2 change in smoking  
- a: quit smoking  
- b: started smoking  
- c: kept smoking

Russia went through major changes in this era, among which  
a financial crisis in 1998

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>
| **O-SLW/c/sq/v/5/n** | Beta=+.14  
ns | T1-T2 CHANGE in happiness by T1-T2 CHANGE in smoking |
| **O-SLW/c/sq/v/5/n** | Beta=+.25  
ns | Quit smoking |
| **O-SLW/c/sq/v/5/n** | Beta=+.25  
ns | started smoking |
Findings on Happiness and STIMULANTS

Beta = -.04 ns

Beta's controlled for change in:
- static variables
  - age
  - male
  - minority
- status variables
  - income
  - education level
  - educational participation
  - health (illness, hospital, problems)
- marital status
- employment (retirement, unemployment)

Correlational finding on Happiness and Later use of stimulants
Subject code: S13.1.4

Study

BACHM 1978/2

Reported in: Bachman, J.G.; O'Malley, P.M.; Johnston, J.
Institute for Social Research, 1970, University of Michigan, Ann Arbor, USA

Page in Report:

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

Sample:

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

N: 2213

Correlate

Authors label: Daily cigarette use (1)

Our classification: Later use of stimulants, code S13.1.4

Measurement: Direct question asking respondent how often he smoked cigarettes during the last year. Scale: 1 = nearly every day; 0 = less than daily use. Assessed at T3, T4 and T5

Observed Relation with Happiness

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

O-HP/g/mq/v/5/a  

<table>
<thead>
<tr>
<th></th>
<th>T3</th>
<th>T4</th>
<th>T5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Happiness</td>
<td>tau = -.08 (05)</td>
<td>-.05</td>
<td>-.08 (05)</td>
</tr>
<tr>
<td>Daily cigarette use</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T1</td>
<td>tau = -.03</td>
<td>-.03</td>
<td></td>
</tr>
<tr>
<td>T2</td>
<td>tau = -.01</td>
<td>-.00</td>
<td>-.04</td>
</tr>
<tr>
<td>T3</td>
<td>tau = -.02</td>
<td>-.00</td>
<td>-.04</td>
</tr>
</tbody>
</table>

All tau's not significant, unless indicated otherwise


---

Correlational finding on Happiness and Later use of stimulants

Subject code: S13.1.4

Study

BACHM 1978/2

Reported in: Bachman, J.G.; O'Malley, P.M.; Johnston, J.
Institute for Social Research, 1970, University of Michigan, Ann Arbor, USA

Page in Report:

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

Sample:

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

N: 2213

Correlate

Authors label: Alcohol use (1)

Our classification: Later use of stimulants, code S13.1.4

Measurement: Simple direct question at T3, T4 and T5 asking respondent how often he has used alcoholic beverages (for other than medical purposes) during part or all of the last year. 1 = never; 2 = once or twice a year; 3 = 3 - 10 times a year; 4 = once or twice a month; 5 = once or twice a week; 6 = nearly every day

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 STIMULTANTS**

<table>
<thead>
<tr>
<th></th>
<th>Alcohol use</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>T3</td>
</tr>
<tr>
<td>Happiness</td>
<td></td>
</tr>
<tr>
<td>T1</td>
<td>tau = -.05</td>
</tr>
<tr>
<td>T2</td>
<td>tau = -.00</td>
</tr>
<tr>
<td>T3</td>
<td>tau = -.02</td>
</tr>
<tr>
<td>T4</td>
<td>tau = +.01</td>
</tr>
</tbody>
</table>

All tau's not significant


---

**Correlational finding on Happiness and Later use of stimulants**

**Subject code: S13.1.4**

**Study**

**BACHM 1978/2**

**Reported in:** Bachman, J.G.; O'Malley, P.M.; Johnston, J.
Institute for Social Research, 1970, University of Michigan, Ann Arbor, USA

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

**Sample:**

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

**N:** 2213

---

**Correlate**

**Authors label:** Marijuana use (1)

**Our classification:** Later use of stimulants, code S13.1.4

**Measurement:** Simple direct question at T3, T4 and T5 asking respondent how often he used marijuana (for other than medical purposes) during part or all of the last year. 1 = never; 2 = once or twice a year; 3 = 3 - 10 times a year; 4 = once or twice a month; 5 = once or twice a week; 6 = nearly every day

---

**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 Stimulants

<table>
<thead>
<tr>
<th></th>
<th>Happiness</th>
<th>T3</th>
<th>T4</th>
<th>T5</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1</td>
<td>tau = -.06</td>
<td>-.05</td>
<td>-.05</td>
<td></td>
</tr>
<tr>
<td>T2</td>
<td>tau = -.06</td>
<td>-.08 (05)</td>
<td>-.05</td>
<td></td>
</tr>
<tr>
<td>T3</td>
<td>tau = -.01</td>
<td>-.06</td>
<td>-.02</td>
<td></td>
</tr>
<tr>
<td>T4</td>
<td>tau = -.02</td>
<td>-.04</td>
<td>-.06</td>
<td></td>
</tr>
</tbody>
</table>

All tau's not significant, unless indicated otherwise


---

### Correlational finding on Happiness and Later use of stimulants

**Subject code: S13.1.4**

**Study**

**Reported in:** Bachman, J.G.; O'Malley, P.M.; Johnston, J.

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

**Sample:**

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

N: 2213

**Correlate**

**Authors label:** Drug use (1)

**Our classification:** Later use of stimulants, code S13.1.4

**Measurement:** A mean of three items asking how often during the past year respondent had used amphetamines, barbiturates, and LSD for other than medical purposes. 1 = never; 2 = once or twice a year; 3 = 3 - 10 times a year; 4 = once or twice a month; 5 = once or twice a week; 6 = nearly every day

---

### 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 Stimulants

<table>
<thead>
<tr>
<th></th>
<th>Happiness</th>
<th>T3</th>
<th>T4</th>
<th>T5</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1</td>
<td>tau = -.06</td>
<td>-.06</td>
<td>-.11 (01)</td>
<td></td>
</tr>
<tr>
<td>T2</td>
<td>tau = -.00</td>
<td>-.06</td>
<td>-.03</td>
<td></td>
</tr>
<tr>
<td>T3</td>
<td>tau = -.02</td>
<td>-.03</td>
<td>-.03</td>
<td></td>
</tr>
<tr>
<td>T4</td>
<td>tau = -.01</td>
<td>-.04</td>
<td>-.06</td>
<td></td>
</tr>
</tbody>
</table>

All tau's not significant, unless indicated otherwise.


#### Correlational finding on Happiness and Current use of stimulants

**Subject code: S13.2**

**Study**

- **Reported in:** Abdel-Khalek, A.M.  
  Measuring Happiness by a Single Item Scale. Social Behavior and Personality, 2006, Vol. 34, 139 - 150. ISSN 0301 2212  
  Page in Report: 21

- **Population:** University undergraduates, Kuwait 2002  
  **Sample:** Non-probability chunk sample

- **Non-Response:**
  - N: 503

**Correlate**

- **Authors label:** Use of hypnotics  
  **Our classification:** Current use of stimulants, code S13.2  
  **Measurement:** Selfreport on use of hypnotics  
  Question not reported

- **Error Estimates:** 1 week retest: r = +.81

**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/g/sq/ol/11/a</td>
<td>r = .13, p &lt; .05</td>
<td>males: r = -.28 (001), females: r = -.01 (ns)</td>
</tr>
</tbody>
</table>

**Correlational finding on Happiness and Current use of stimulants**

**Subject code: S13.2**
**Study**

**KAINU 1998**


*Page in Report:* 261

*Population:* 18+ aged, general public, non-institutionalized, former province Kuopio, Finland, 1991-'96.

*Sample:* Probability sample (unspecified)

*Non-Response:* not rep

*N:* 2682

**Correlate**

*Authors label:* Excessive drinking/drug abuse of someone near (1)

*Our classification:* Current use of stimulants, code S13.2

*Measurement:* Have you experienced excessive drinking/drug abuse of someone near

(a) during the last year ?

(b) ever in your life ?

*Answers:* No(=0) or Yes(=1).

*Measured Values:* Never: N =1707 Ever in your life: N =747

**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/v/5/g</td>
<td>$r= -0.11$</td>
<td>during the last year</td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/g</td>
<td>$r= -0.10$</td>
<td>ever in your life</td>
</tr>
</tbody>
</table>
| O-SLu/c/sq/v/5/g   | $DM= -$   | never: $M = 3.91$
|                   |           | ever in your life: $M = 3.73$
|                   |           | 95% CI for difference: $[0.11 ; 0.25]$ |

**Correlational finding on Happiness and Current use of stimulants**

**Subject code: S13.2**

**Study**

**LEHMA 1988**
Findings on Happiness and STIMULANTS

Reported in: Lehman, A.F.
A Quality of Life Interview for the Chronically Mentally Ill.
Evaluation and Program Planning, 1988, Vol. 11, 51-52. ISSN 0149 7189
Page in Report: 57

Population: Chronic mental patients, USA, 1981
Sample: Non-probability purposive sample

Non-Response:
N: 469

Correlate

Authors label: Drug Abuse
Our classification: Current use of stimulants, code S13.2
Measurement: Diagnosis

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/v7/a</td>
<td>r= -.03 ns</td>
<td>Los Angeles: mentally ill residents of 30 large board-and-care homes</td>
</tr>
<tr>
<td>O-DT/u/sqt/v7/a</td>
<td>r= -.13 ns</td>
<td>Rochester: chronically mentally ill inpatients at the Rochester (N.Y.) Psychiatric Center</td>
</tr>
<tr>
<td>O-DT/u/sqt/v7/a</td>
<td>r= -.08 ns</td>
<td>Rochester: chronically mentally ill residents of various supervised community residences</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Use of alcohol
Subject code: S13.2.1

Study ABDEL 2006A/2

Reported in: Abdel-Khalek, A.M.
Measuring Happiness by a Single Item Scale.
Social Behavior and Personality, 2006, Vol. 34, 139 - 150. ISSN 0301 2212
Page in Report: 21

Population: University undergraduates, Kuwait 2002
Sample: Non-probability chunk sample

Non-Response:
N: 503
Findings on Happiness and STIMULANTS

**Correlate**

Authors label: Use of alcohol

Our classification: Use of alcohol, code S13.2.1

Measurement: Selfreport on use of alcohol

Question not reported

Error Estimates: 1 week retest: $r = +.66$

**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/g/sq/ol/11/a</td>
<td>$r = -.15$</td>
<td>All males: $r = -.19$ (05)</td>
</tr>
<tr>
<td></td>
<td>$p &lt; .001$</td>
<td>females: $r = -.16$ (05)</td>
</tr>
</tbody>
</table>

**Correlational finding on Happiness and Use of alcohol**

Subject code: S13.2.1

Study: BACHM 1977


Page in Report:

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

Sample:

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

N: 1628

**Correlate**

Authors label: Alcohol use (1)

Our classification: Use of alcohol, code S13.2.1

Measurement: Simple direct question at T3, T4 and T5 asking respondent how often he has used alcoholic beverages (for other than medical purposes) during part or all of the last year. 1 = never; 2 = once or twice a year; 3 = 3 - 10 times a year; 4 = once or twice a month; 5 = once or twice a week; 6 = nearly every day
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/mq/v/5/a</td>
<td>tau = ns</td>
<td>Alcohol use</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T5</td>
</tr>
<tr>
<td>Happiness</td>
<td></td>
<td>tau = -.05</td>
</tr>
<tr>
<td>T1</td>
<td></td>
<td>-.04</td>
</tr>
<tr>
<td>tau = -.00</td>
<td></td>
<td>-.02</td>
</tr>
<tr>
<td>tau = -.02</td>
<td></td>
<td>-.04</td>
</tr>
<tr>
<td>tau = +.01</td>
<td></td>
<td>-.06</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Use of alcohol

Subject code: S13.2.1

Study

BAKKE 1974


Sample:

Non-Response: 34% refusal and unattainable.

N: 1552

Correlate

Authors label: Consumption of alcohol. (1)

Our classification: Use of alcohol, code S13.2.1

Measurement: Closed question on amount of consumption, 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>O-HP/g/sq/ol/7/a</td>
<td>G = +.05 ns</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Use of alcohol

Subject code: S13.2.1
Findings on Happiness and STIMULANTS

**Study**

**BRENN 1967**

*Reported in:* Brenner, B  
Patterns of Alcohol Use, Happiness and the Satisfaction of Wants.  
Page in Report: 671

**Population:** 21+ aged, general public, non-institutionalized, USA, 1963

**Sample:**

**Non-Response:** 4% incomplete

**N:** 1499

---

**Correlate**

**Authors label:** Using alcohol (1)  
**Our classification:** Use of alcohol, code S13.2.1

**Measurement:** Closed question on consumption of alcohol. Total abstainers (always abstained and ex-drinkers) vs alcohol users.

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-W/u/sq/v/2/a</td>
<td>G=+.06 ns</td>
<td>Discontented: G' = -.08 (ns)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Contented: G' = +.06 (ns)</td>
</tr>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>G=+.16 p&lt;.05</td>
<td>Very happy: G' = +.42 (05)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pretty happy: G' = +.12 (ns)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not too happy: G' = +.03 (ns)</td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Use of alcohol**  
**Subject code:** S13.2.1

**Study**

**BRENN 1967**

*Reported in:* Brenner, B  
Patterns of Alcohol Use, Happiness and the Satisfaction of Wants.  
Page in Report: 671

**Population:** 21+ aged, general public, non-institutionalized, USA, 1963

**Sample:**

**Non-Response:** 4% incomplete

**N:** 1499
Correlate

Authors label: Amount of alcohol consumption (1)

Our classification: Use of alcohol, code S13.2.1

Measurement: Closed question on using alcohol and amount of alcohol ordinarily consumed at one sitting.

Small amount vs medium or large (total abstainers excluded).

## Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>
| **O-HL/c/sq/v/3/aa** | $G = +0.09$ ns | Very happy: $G' = +0.24$ (ns)  
Pretty happy: $G' = +0.06$ (ns)  
Not too happy: $G' = -0.01$ (ns) |
| **C-W/u/sq/v/2/a** | $G = +0.01$ ns | Total abstrainer / small amounts / medium or large amounts  
U-shaped curve: those drinking small amounts being most happy.  
Doing pretty wel in getting the things they want: $G = +0.01$ (ns)  
- with no problems due to drinking: $G = +0.04$ (ns)  
Not doing too well: $G = -0.03$ (ns)  
- with no problems due to drinking: $G = +0.08$ (ns) |
| **C-W/u/sq/v/2/a** | $G = +0.08$ ns | No problems due to drinking: $G' = +0.11$ (ns)  
Problems due to drinking: $G' = -0.25$ (ns) |
Correlational finding on Happiness and Use of alcohol
Subject code: S13.2.1

Study

GORMA 1971
Reported in: Gorman, B.S.
Unpublished doctoral dissertation, 1971, City University of New York, USA
Page in Report: 216/222

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

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

Correlate

Authors label: Alcohol usage (1)

Our classification: Use of alcohol, code S13.2.1

Measurement: Repeated yes / no question on usage during the past day; during one month.

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/sgl/11/b</td>
<td>r=+.02 ns</td>
<td></td>
</tr>
<tr>
<td>A-ARE/md/sqr/v/10/b</td>
<td>r=.03 ns</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Use of alcohol
Subject code: S13.2.1
Findings on Happiness and STIMULANTS

**Study** LEHMA 1988

*Reported in:* Lehman, A.F.
A Quality of Life Interview for the Chronically Mentally Ill.
Evaluation and Program Planning, 1988, Vol. 11, 51 -52. ISSN 0149 7189
Page in Report: 57

*Population:* Chronic mental patients, USA, 1981

*Sample:* Non-probability purposive sample

*Non-Response:

\[ N: 469 \]

**Correlate**

*Authors label:* Alcoholism

*Our classification:* Use of alcohol, code S13.2.1

*Measurement:* Diagnosis

**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=.00 ns</td>
<td>Los Angeles: mentally ill residents of 30 large board-and-care homes</td>
</tr>
<tr>
<td>O-DT/u/sqt/v/7/a</td>
<td>r=.14 ns</td>
<td>Rochester: chronically mentally ill inpatients at the Rochester (N.Y.) Psychiatric Center</td>
</tr>
<tr>
<td>O-DT/u/sqt/v/7/a</td>
<td>r=-.11 ns</td>
<td>Rochester: chronically mentally ill residents of various supervised community residences</td>
</tr>
</tbody>
</table>

**Correlational finding on Happiness and Use of alcohol**

**Subject code: S13.2.1**

**Study** LINN 1986

*Reported in:* Linn, L.S.; Yager, J.; Dennis, W.; Cope, W.; Leake, B.
Factors Associated With Life Satisfaction Among Practicing Internist.
Medical Care, 1986, Vol. 24, 830 - 837. ISSN p 0125 7079; ISSN e 1537 1948
Page in Report: 834

*Population:* Physicians, California, USA, 1984

*Sample:* Probability simple random sample
Correlate

Authors label: Alcohol consumption

Our classification: Use of alcohol, code S13.2.1

Measurement: Selfreported of typical behaviours in the past 6 month to make one feel better:
- Use of alcoholic beverage (beer, wine or liquor)
rated: never(1) to daily (6)

Measured Values: M = 3.70

Observed Relation with Happiness

Happiness Measure  Statistics  Elaboration/Remarks
O-DT/u/sq/v/7/a  r=+.11 ns

Correlational finding on Happiness and Use of alcohol
Subject code: S13.2.1

Study  SCHUL 1985B

Reported in: Schulz, W.; Költfinger, R.; Norden, G.; Tüchler, H.
Lebensqualität in Österreich. (Quality-of-Life in Austria).
Research paper nr 10/1, Institut für Soziologie, University of Vienna, 1985, Austria
Page in Report: 52

Population: Adults, non-institutionalized, Austria, 1984

Sample:
Non-Response: ?
N: 1776

Correlate

Authors label: Alcohol consumption (1)

Our classification: Use of alcohol, code S13.2.1

Measurement: Four item index of direct questions on beer and wine consumption during the past week. Rated on a 6-point scale.
Correlational finding on Happiness and Use of alcohol
Subject code: S13.2.1

Study

VEENH 2003/2

Reported in: Veenhoven, R. 
Hedonism and Happiness 
Page in Report: 129

Population: Adults, 49 nations, mid 1990s

Sample: Probability sample (unspecified)

Non-Response:

N: 800000

Correlate

Authors label: Drinking

Our classification: Use of alcohol, code S13.2.1

Measurement: Yearly consumption of alcohol per head

Remarks: Data on alcohol consumption are drawn from: World Drinking Trend, 1998

Observed Relation with Happiness

Happiness Measure

Statistics

Elaboration/Remarks

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

Drinking and happiness in 49 nations mid 1990s
Correlational finding on Happiness and Use of alcohol
Subject code: S13.2.1

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: 180-184

Population: 18-88 aged, general public, Denmark, 1993
Findings on Happiness and STIMULANTS

**Sample:** Non-probability purposive sample

**Non-Response:** 39%

**N:** 1494

**Correlate**

**Authors label:** alcohol consumption (1)

**Our classification:** Use of alcohol, code S13.2.1

**Measurement:**

**NUMBER OF DRINKS**
- **during last weekend:**
  - 1a: 0
  - 2a: 1-2
  - 3a: 3-4
  - 4a: 5-8
  - 5a: 9-16
  - 6a: 17-32
  - 7a: > 32
- **during last weekday:**
  - 1b: 0
  - 2b: 1-2
  - 3b: 3-4
  - 4b: 5-8
  - 5b: 9-16
  - 6b: 17-32
  - 7b: > 32
- **consumed last week:**
  - 1c: 0
  - 2c: 1-2
  - 3c: 3-4
  - 4c: 5-8
  - 5c: 9-12
  - 6c: 17-32
  - 7c: 32-64
  - 8c: > 64

**Measured Values:**

**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 STIMULANTS

A-AOL/m/sq/v/5/a  $r=+.03$ ns  weekend
1a: Mt=7.58  
2a: Mt=7.88  
3a: Mt=7.88  
4a: Mt=7.76  
5a: Mt=7.81  
6a: Mt=7.83  
7a: Mt=8.34  
All Mt=7.78

A-AOL/m/sq/v/5/a  $r=+.00$ ns  weekday
1b: Mt=7.78  
2b: Mt=7.81  
3b: Mt=7.71  
4b: Mt=7.73  
5b: Mt=7.59  
6b: Mt=8.93  
7b: Mt=6.25  
All Mt=7.78

A-AOL/m/sq/v/5/a  $r=+.03$ ns  last week
1c: Mt=7.58  
2c: Mt=7.93  
3c: Mt=8.01  
4c: Mt=7.73  
5c: Mt=7.81  
6c: Mt=7.89  
7c: Mt=7.80  
8c: Mt=7.50  
All Mt=7.79

O-SLu/c/sq/v/5/e  $r=-.02$ ns  weekend
1a: Mt=7.34  
2a: Mt=7.56  
3a: Mt=7.71  
4a: Mt=7.43  
5a: Mt=7.35  
6a: Mt=7.24  
7a: Mt=6.67  
All Mt=7.45

O-SLu/c/sq/v/5/e  $r=-.02$ ns  weekday
1b: Mt=7.48  
2b: Mt=7.49  
3b: Mt=7.29  
4b: Mt=7.50  
5b: Mt=7.25  
6b: Mt=7.86  
7b: Mt=6.25  
All Mt=7.45
Findings on Happiness and STIMULANTS

O-SLu/c/sq/v/5/e  
last week  
1c: Mt=7.35  
2c: Mt=7.66  
3c: Mt=7.74  
4c: Mt=7.46  
5c: Mt=7.48  
6c: Mt=7.70  
7c: Mt=7.11  
8c: Mt=6.81  
All Mt=7.50

O-HL/c/sq/v/5/h  
weekend  
1a: Mt=6.88  
2a: Mt=7.06  
3a: Mt=7.21  
4a: Mt=6.88  
5a: Mt=6.83  
6a: Mt=6.86  
7a: Mt=6.66  
All Mt=6.95

O-HL/c/sq/v/5/h  
weekday  
1b: Mt=7.03  
2b: Mt=6.85  
3b: Mt=6.78  
4b: Mt=6.94  
5b: Mt=6.91  
6b: Mt=7.50  
7b: Mt=7.50  
All Mt=6.95

O-HL/c/sq/v/5/h  
last week:  
1c: Mt=6.89  
2c: Mt=7.11  
3c: Mt=7.23  
4c: Mt=7.09  
5c: Mt=6.83  
6c: Mt=6.99  
7c: Mt=6.74  
8c: Mt=6.81  
All Mt=6.98

**Correlational finding on Happiness and Use of alcohol**

**Subject code: S13.2.1**

**Study**  
**VENTE 1996**


Page in Report: 456
Findings on Happiness and STIMULANTS

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: alcohol consumption and health
Our classification: Use of alcohol, code S13.2.1
Measurement: number of drinks consumed last week
1: 0 drinks
2: 1-2 drinks
3: 3-4 drinks
4: 5-8 drinks
5: 9-16 drinks
6: 17-32 drinks
7: 33-64 drinks
8 > 64 drinks

Measured Values: N: All:3660; %:1:26,8; 2:12,1; 3:11,9; 4:16,3; 5:16,7; 6:11,2; 7:3,9; 8:1,0

Remarks: the correlations and M's do give only the relation between alcohol consumption and health based on the question: "How much beer, wine and liquor did you drink totally during the last weekday (Monday, Tuesday, Wednesday or Thursday)?
- ordinary beer (number of bottles)
- strong beer (number of bottles)
- red or white wine (number of glasses)
- dessert wine (number of glasses)
- liquor (number of drinks)"

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=+.01 ns</td>
<td>1: Ms=7.50</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2: Ms=7.78</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: Ms=7.91</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4: Ms=7.83</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5: Ms=7.96</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6: Ms=7.65</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7: Ms=7.33</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8: Ms=6.21</td>
</tr>
</tbody>
</table>
### Correlational finding on Happiness and Use of alcohol

**Subject code: S13.2.1**

**Study**

**VENTE 1996**

**Reported in:** Ventegodt, S.  
Page in Report: 188-192

**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:** alcohol consumption

**Our classification:** Use of alcohol, code S13.2.1

<table>
<thead>
<tr>
<th>Code</th>
<th>Correlation</th>
<th>Mean (Ms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLu/sq/v5/e</td>
<td>$r = -0.04$</td>
<td>1: 7.63</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2: 7.88</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: 7.79</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4: 7.73</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5: 7.78</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6: 7.60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7: 6.70</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8: 6.69</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>O-HL/c/sq/v5/h</th>
<th>$r = +0.02$ ns</th>
<th>Mean (Ms)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1: 7.51</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2: 7.84</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: 8.01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4: 7.91</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5: 7.88</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6: 7.69</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7: 7.41</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8: 6.83</td>
</tr>
</tbody>
</table>
Findings on Happiness and STIMULANTS

Measurement:
NUMBER OF DRINKS
during last weekend:
Friday, Saturday, Sunday
1a: 0
2a: 1-2
3a: 3-4
4a: 5-8
5a: 9-16
6a: 17-32
7a: > 32
during last weekday:
Monday, Tuesday, Wednesday of Thursday
1b: 0
2b: 1-2
3b: 3-4
4b: 5-8
5b: 9-16
6b: > 16
c_consumed last week:
1c: 0
2c: 1-2
3c: 3-4
4c: 5-8
5c: 9-12
6c: 17-32
7c: 32-64
8c: > 64

Measured Values: N a:All:4571; %:1a:25.9; 2a:16.0; 3a:16.5; 4a:19.7; 5a:15.2; 6a:5.5; 7a:1.1 N b All:4547; %:1b:60.0; 2b:25.5; 3b:8.2; 4b:4.4; 5b:1.4; 6b:0.5 N c All:3671; %:1c:26.8; 2c:12.1; 3c:11.9; 4c:16.3; 5c:16.7; 6c:11.2; 7c:3.9; 8c:1.0

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=−.02</td>
<td>weekend (a)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1a: Mt=7.64</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2a: Mt=7.79</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3a: Mt=7.94</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4a: Mt=7.86</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5a: Mt=7.81</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6a: Mt=7.29</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7a: Mt=5.54</td>
</tr>
<tr>
<td>A-AOL/m/sq/v/5/a</td>
<td>r=−.07</td>
<td>weekday (b)</td>
</tr>
<tr>
<td></td>
<td>p&lt;.00</td>
<td>1b: Mt=7.79</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2b: Mt=7.79</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3b: Mt=7.83</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4b: Mt=7.28</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5b: Mt=6.60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6b: Mt=5.69</td>
</tr>
</tbody>
</table>
Findings on Happiness and STIMULANTS

A-AOL/m/sq/v/5/a

1c: Mt=7.65
2c: Mt=7.84
3c: Mt=7.98
4c: Mt=7.75
5c: Mt=7.98
6c: Mt=7.80
7c: Mt=7.04
8c: Mt=6.69

O-SLu/c/sq/v/5/e

r=.04 ns
weekend(a)
1a: Mt=7.33
2a: Mt=7.63
3a: Mt=7.58
4a: Mt=7.54
5a: Mt=7.38
6a: Mt=6.93
7a: Mt=5.49

O-SLu/c/sq/v/5/e

r=.09 p<.00
weekend(b)
1b: Mt=7.49
2b: Mt=7.46
3b: Mt=7.44
4b: Mt=6.86
5b: Mt=6.05
6b: Mt=5.45

O-SLu/c/sq/v/5/e

last week(c)
1c: Mt=7.38
2c: Mt=7.68
3c: Mt=7.60
4c: Mt=7.56
5c: Mt=7.58
6c: Mt=7.34
7c: Mt=6.65
8c: Mt=6.15

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

r=.05 p<.01
weekend(a)
1a: Mt=6.99
2a: Mt=7.15
3a: Mt=7.25
4a: Mt=7.03
5a: Mt=6.99
6a: Mt=6.59
7a: Mt=4.95
Findings on Happiness and Stimulants

Correlational finding on Happiness and Use of amphetamines

Subject code: S13.2.2

Study

GORMA 1971

Reported in: Gorman, B.S.
Unpublished doctoral dissertation, 1971, City University of New York, USA
Page in Report: 216/222

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

Sample:

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

Correlate

Authors label: Amphetamine usage (1)
Our classification: Use of amphetamines, code S13.2.2
Measurement: Repeated yes / no question on usage during the past day; during one month.

Observed Relation with Happiness

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

Correlational finding on Happiness and Use of barbiturates
Subject code: S13.2.3

Study

Reported in: Bachman, J. G.; O'Malley, P. M.; Johnston, J.
Institute for Social Research, 1970, University of Michigan, Ann Arbor, USA

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

Sample:

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

N: 1628

Correlate

Authors label: Marijuana use (1)

Our classification: Use of barbiturates, code S13.2.3

Measurement: Simple direct question at T3, T4 and T5 asking respondent how often he used marijuana (for other than medical purposes) during part or all of the last year. 1 = never; 2 = once or twice a year; 3 = 3 – 10 times a year; 4 = once or twice a month; 5 = once or twice a week; 6 = nearly every day

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/mq/v/5/a</td>
<td>tau=-</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>T3</th>
<th>T4</th>
<th>T5</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1</td>
<td>tau = -.06</td>
<td>-.05</td>
<td>-.05</td>
</tr>
<tr>
<td>T2</td>
<td>tau = -.06</td>
<td>-.08 (05)</td>
<td>-.05</td>
</tr>
<tr>
<td>T3</td>
<td>tau = -.01</td>
<td>-.06</td>
<td>-.02</td>
</tr>
<tr>
<td>T4</td>
<td>tau = -.02</td>
<td>-.04</td>
<td>-.06</td>
</tr>
</tbody>
</table>

All tau's not significant, unless indicated otherwise

Correlational finding on Happiness and Use of barbiturates
Subject code: S13.2.3
Findings on Happiness and Stimulants

Study BACHM 1977

Reported in: Bachman, J. G.; O'Malley, P. M.; Johnston, J.
Institute for Social Research, 1970, University of Michigan, Ann Arbor, USA

Page in Report:

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

Sample:

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

N: 1628

Correlate

Authors label: Drug use (1)

Our classification: Use of barbiturates, code S13.2.3

Measurement: A mean of three items asking how often during the past year respondent had used amphetamines, barbiturates, and LSD for other than medical purposes.
1 = never; 2 = once or twice a year;
3 = 3 to 10 times a year; 4 = once or twice a month; 5 = once or twice a week; 6 = nearly every day. Assessed at T3, T4 and T5

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/mg/v/5/a</td>
<td>tau=-</td>
<td>Drug use</td>
</tr>
<tr>
<td></td>
<td>Happiness</td>
<td>T3</td>
</tr>
<tr>
<td>T1 tau = -0.06</td>
<td>-0.06</td>
<td>-0.11 (01)</td>
</tr>
<tr>
<td>T2 tau = -0.00</td>
<td>-0.06</td>
<td>-0.03</td>
</tr>
<tr>
<td>T3 tau = -0.02</td>
<td>-0.03</td>
<td>-0.03</td>
</tr>
<tr>
<td>T4 tau = -0.01</td>
<td>-0.04</td>
<td>-0.06</td>
</tr>
</tbody>
</table>

All tau's not significant, unless indicated otherwise

Correlational finding on Happiness and Use of barbiturates

Subject code: S13.2.3

Study GORMA 1971
Findings on Happiness and STIMULANTS

*Reported in:* Gorman, B.S.
Unpublished doctoral dissertation, 1971, City University of New York, USA
Page in Report: 216/222

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

*Sample:*

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

*N:* 67

---

**Correlate**

*Authors label:* Barbiturate usage (1)

*Our classification:* Use of barbiturates, code S13.2.3

*Measurement:* Repeated yes / no question on usage during the past day; during one month.

---

**Observed Relation with Happiness**

*Happiness Measure*  
*Statistics*  
*Elaboration/Remarks*

<table>
<thead>
<tr>
<th>Correlate</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-BW/c/sq/l/11/b</td>
<td>r=-.38 p&lt;.01</td>
<td></td>
</tr>
<tr>
<td>A-ARE/md/sqr/v10/b</td>
<td>r=-.02 ns</td>
<td></td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Use of marihuana, hash**  
**Subject code: S13.2.7**

*Study*  
*Reported in:* Gorman, B.S.
Unpublished doctoral dissertation, 1971, City University of New York, USA
Page in Report: 216/222

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

*Sample:*

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

*N:* 67

---

**Correlate**
Findings on Happiness and STIMULANTS

**Authors label:** Marijuana usage (1)

**Our classification:** Use of marihuana, hash, code S13.2.7

**Measurement:** Repeated yes / no question on usage during the past day; during one month.

---

**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/b</td>
<td>r=-.35 p&lt; .01</td>
<td></td>
</tr>
<tr>
<td>A-ARE/md/sqr/v/10/b</td>
<td>r=.03 ns</td>
<td></td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Use of tobacco**

**Subject code:** S13.2.8

**Study** BACHM 1977

**Reported in:** Bachman, J. G.; O'Malley, P. M.; Johnston, J.
Institute for Social Research, 1970, University of Michigan, Ann Arbor, USA

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

**Sample:**

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

**N:** 1628

**Correlate**

**Authors label:** Daily cigarette use (1)

**Our classification:** Use of tobacco, code S13.2.8

**Measurement:** Direct question asking respondent how often he smoked cigarettes during the last year. Scale: 1 = nearly every day; 0 = less than daily use. Assessed at T3, T4 and T5

---

**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 STIMULANTS

<table>
<thead>
<tr>
<th></th>
<th>Daily cigarette use</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>T3</td>
<td>T4</td>
<td>T5</td>
</tr>
<tr>
<td>Happiness</td>
<td>tau = -.08 (05)</td>
<td>-.05</td>
<td>-.08 (05)</td>
</tr>
<tr>
<td>T1</td>
<td>tau = -.03</td>
<td>-.03</td>
<td>-.03</td>
</tr>
<tr>
<td>T2</td>
<td>tau = -.01</td>
<td>-.00</td>
<td>-.04</td>
</tr>
<tr>
<td>T3</td>
<td>tau = -.02</td>
<td>-.00</td>
<td>-.04</td>
</tr>
</tbody>
</table>

All _ not significant, unless indicated otherwise


---

**Correlational finding on Happiness and Use of tobacco**

**Subject code: S13.2.8**

**Study**

BAKKE 1974


*Sample:*

Non-Response: 34% refusal and unattainable.

N: 1552

**Correlate**

*Authors label:* Consumption of tobacco. (1)

*Our classification:* Use of tobacco, code S13.2.8

*Measurement:* Direct question on number of cigars, cigarettes and pipes smoked per day.

**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/o/l/7/a</td>
<td>G =+.04 ns</td>
<td></td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Use of tobacco**

**Subject code: S13.2.8**

**Study**

LEPPE 1997
Findings on Happiness and STIMULANTS

Reported in: Lepper, H.S.
Use of other Reports to Validate Subjective Well-Being Measures.
Page in Report: 372,375,377

Population: Retirees followed 9 months, Southern California, USA, 199?

Sample: Non-probability chunk sample

Non-Response:

N: 971

Correlate

Authors label: Smoking habits

Our classification: Use of tobacco, code S13.2.8

Measurement: Self report on whether or not the subjects smokes cigarettes
0=no
1=yes

Error Estimates: Correlation between self and other reports of smoking : r=+.87 p<0.0001) Test for difference in mean ns (t.=0.90)

Remarks: Only measured in wave 1

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/*/mg/v/16/a</td>
<td>t=2.8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>p&lt;0.059</td>
<td></td>
</tr>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>t=2.3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>p&lt;0.0256</td>
<td></td>
</tr>
<tr>
<td>M-AO/<em>/mqr/</em>/0/a</td>
<td>t=2.8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>p&lt;0.0419</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Use of tobacco
Subject code: S13.2.8

Study

Reported in: Linn, L.S.; Yager, J.; Dennis, W.; Cope, W.; Leake, B.
Factors Associated With Life Satisfaction Among Practicing Internist.
Medical Care, 1986, Vol. 24, 830 - 837. ISSN p 0125 7079; ISSN e 1537 1948
Page in Report: 834
Findings on Happiness and STIMULANTS

Population: Physicians, California, USA, 1984
Sample: Probability simple random sample
Non-Response:

N: 211

Correlate

Authors label: Use of tobacco
Our classification: Use of tobacco, code S13.2.8
Measurement: Selfreported of typical behaviors in the past 6 month to make one feel better:
- Smoking cigarettes
  Rated: never (1) to daily (6)

Measured Values: M = 1.30

Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks
O-DT/u/sq/v/7/a r = -.03 ns

Correlational finding on Happiness and Use of tobacco
Subject code: S13.2.8

Study

PERNE 2004

Reported in: Perneger, T.V.; Hudelson, P.M.; Bovier, P.A.
Health and Happiness in Young Swiss Adults. Quality of Life Research, 2004, Vol. 13, 171 - 178. ISSN 0962 9343 DOI:10.1023/B:QURE.0000015314.97546.60
Page in Report: 174

Sample: Probability simple random sample
Non-Response: 36%
N: 1257

Correlate

Authors label: Smokes cigarettes
Our classification: Use of tobacco, code S13.2.8
Findings on Happiness and STIMULANTS

**Measurement:**
1- No
2- Yes

**Measured Values:** 1: 72.1%, 2: 27.8%

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-TH/cm/sq/v/5/a</td>
<td>D%=</td>
</tr>
<tr>
<td></td>
<td>% happy (all or most of the time)</td>
</tr>
<tr>
<td></td>
<td>p&lt;0.013</td>
</tr>
<tr>
<td>1: 65.2</td>
<td></td>
</tr>
<tr>
<td>2: 57.5</td>
<td></td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Use of tobacco**

**Subject code: S13.2.8**

**Study**

**SCHUL 1985B**

**Reported in:** Schulz, W.; Költlinger, R.; Norden, G.; Tüchler, H. Lebensqualität in Osterreich. (Quality-of-Life in Austria).
Research paper nr 10/1, Institut für Soziologie, University of Vienna, 1985, Austria

**Page in Report:** 52

**Population:** Adults, non-institutionalized, Austria, 1984

**Sample:**

**Non-Response:** ?

**N:** 1776

---

**Correlate**

**Authors label:** Smoking habits (1)

**Our classification:** Use of tobacco, code S13.2.8

**Measurement:** Two item index of direct questions on smoking habits.

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-Sum/c/mq/v/5/a</td>
<td>r=+.03</td>
</tr>
</tbody>
</table>
Findings on Happiness and STIMULANTS

**Study**

**SONDE 1975**

*Reported in:* Sondermeijer, B.  
*Gezondheid en Geluk. (Health Correlates of Happiness).*  
Unpublished report, 1975, Rotterdam, Netherlands  
*Page in Report:*  

*Population:* 40-60 aged male employees, Rotterdam, The Netherlands, 1972  
*Sample:*  
*Non-Response:* 5%  
*N:* 13  

**Correlate**

*Authors label:* Cigarette smoking (1)  
*Our classification:* Use of tobacco, code S13.2.8  
*Measurement:* Single direct question on number of cigarettes per day.  

**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/g/sq/v/2/a</td>
<td>G = .06 p &lt; 001</td>
<td></td>
</tr>
<tr>
<td>M-FH/g/sq/v/2/a</td>
<td>G = .06 p &lt; 001</td>
<td></td>
</tr>
</tbody>
</table>

**Correlational finding on Happiness and Use of tobacco**  
**Subject code: S13.2.8**

**Study**

**VEENH 2003/3**

*Reported in:* Veenhoven, R.  
*Hedonism and Happiness  
*Page in Report:* 131  

*Population:* Adults, 70 countries, mid 1990s  
*Sample:* Probability sample (unspecified)  
*Non-Response:*  
*N:* 100000
Findings on Happiness and STIMULANTS

Correlate

Authors label: Smoking

Our classification: Use of tobacco, code S13.2.8

Measurement: Number of cigarettes smoked per year per capita

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></td>
<td>Average happiness by number of cigarettes smoked per year per capita in 64 nations mid 1990s</td>
</tr>
</tbody>
</table>

Set Image size: + -
Correlational finding on Happiness and Use of tobacco
Subject code: S13.2.8

Study

Reported in: Vente, S.
Livskvalitet i Danmark. (Quality of Life in Denmark). Forskningscentreটs Forlag (The Quality of Life Research Center), København, Denmark, ISBN 8790190017 http://www.livskvalitet.org/t1/index.asp
Page in Report: 186

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

Sample: Non-probability purposive sample

Non-Response: 39%
N: 1494

Correlate

Authors label: Smoking (1)

Our classification: Use of tobacco, code S13.2.8

Measurement: Single question:
"Do you smoke"
1: no, I have never smoked
2: no, I stopped more than a year ago
3: no, I stopped less than a year ago
4: yes, now and then
5: yes, daily

Measured Values: N 1:516, 2:236, 3:51, 4:85, 5:574

Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks
A-AOL/m/sq/v/5/a r=.01 ns 1: Mt=7.85
2: Mt=7.64
3: Mt=7.60
4: Mt=7.94
5: Mt=7.74
All Mt=7.78
### Findings on Happiness and Stimulants

**O-SLu/c/sq/v/5/e**  
*r* = .04 ns  
1: *Mt* = 7.56  
2: *Mt* = 7.49  
3: *Mt* = 7.20  
4: *Mt* = 7.56  
5: *Mt* = 7.35  
All *Mt* = 7.44

**O-HL/c/sq/v/5/h**  
*r* = .02 ns  
1: *Mt* = 7.04  
2: *Mt* = 6.78  
3: *Mt* = 7.26  
4: *Mt* = 6.94  
5: *Mt* = 6.90  
All *Mt* = 6.94

---

**Correlational finding on Happiness and Use of tobacco**  
**Subject code: S13.2.8**

**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](http://www.livskvalitet.org/t1/index.asp)  
Page in Report: 188

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

*Sample:* Non-probability purposive sample

*Non-Response:* 39%

*N:* 1494

**Correlate**

*Authors label:* on the average, how much do you smoke a day (1)

*Our classification:* Use of tobacco, code S13.2.8

*Measurement:* Single question:  
"On the average, how much do you smoke a day?" (cigarette equivalents)  
1: 0  
2: 1-2  
3: 3-5  
4: 6-10  
5: 11-20  
6: 21-40  
7: > 40

*Measured Values:*  
Observed Relation with Happiness

### Happiness Measure

<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=-.03 ns</td>
<td>1: Mt=7.76</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2: Mt=8.13</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: Mt=8.21</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4: Mt=7.89</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5: Mt=7.78</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6: Mt=7.10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7: Mt=7.29</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All Mt=7.76</td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/e</td>
<td>r=-.03 ns</td>
<td>1: Mt=7.48</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2: Mt=7.33</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: Mt=7.91</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4: Mt=7.49</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5: Mt=7.40</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6: Mt=6.89</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7: Mt=7.29</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All Mt=7.44</td>
</tr>
<tr>
<td>O-HL/c/sq/v/5/h</td>
<td>r=-.02 ns</td>
<td>1: Mt=6.96</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2: Mt=6.88</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: Mt=6.96</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4: Mt=7.10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5: Mt=6.91</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6: Mt=6.53</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7: Mt=7.09</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All Mt=6.94</td>
</tr>
</tbody>
</table>

---

Correlational finding on Happiness and Use of tobacco

**Subject code: S13.2.8**

**Study**


Page in Report: 458

**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 STIMULANTS

Authors label: smoking and health

Our classification: Use of tobacco, code S13.2.8

Measurement:
Single question:
"On the average, how much do you smoke a day? (cigarette
equivalents)?"
1: 0 cigarettes
2: 1-2
3: 3-5
4: 6-10
5: 11-20
6: 21-40
7: > 40

Measured Values: N: All: 4563; %: 1:48,6; 2:2,4; 3:3,4; 4:8,9; 5:29,8; 6:6,7; 7:0,2

Remarks: the correlations and M's do give only the relation between
use of cigarettes and health

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=.08</td>
<td>1: Ms=7.81</td>
</tr>
<tr>
<td></td>
<td>p&lt;00</td>
<td>2: Ms=7.59</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: Ms=7.69</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4: Ms=7.89</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5: Ms=7.59</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6: Ms=6.84</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7: Ms=5.55</td>
</tr>
</tbody>
</table>

| O-SLu/c/sq/v/5/e   | r=.07      | 1: Ms=7.78          |
|                   | p<00       | 2: Ms=7.61          |
|                   |            | 3: Ms=7.61          |
|                   |            | 4: Ms=7.65          |
|                   |            | 5: Ms=7.61          |
|                   |            | 6: Ms=6.65          |
|                   |            | 7: Ms=6.95          |

| O-HL/c/sq/v/5/h    | r=.10      | 1: Ms=7.90          |
|                   | p<00       | 2: Ms=7.75          |
|                   |            | 3: Ms=7.79          |
|                   |            | 4: Ms=7.79          |
|                   |            | 5: Ms=7.59          |
|                   |            | 6: Ms=6.91          |
|                   |            | 7: Ms=6.95          |

Correlational finding on Happiness and Use of tobacco
Subject code: S13.2.8
Findings on Happiness and STIMULANTS

VENTE 1996

Reported in: Venteogd, S.
Liskvalitet hos 4500 31-33-årige. (The Quality of Life of 4500 31-33-Years-Olds).
www.livskvalitet.org/t2/index.asp
Page in Report: 194

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: smoking

Our classification: Use of tobacco, code S13.2.8

Measurement: Single question:
"Do you smoke?"
1: No, I have never smoked
2: No, I stopped more than a year ago
3: No, I stopped less than a year ago
4: Yes, now and then
5: Yes, daily

Measured Values: N: a All:4590; 1:31,1%; 2:11,9%; 3:4,3%; 4:6,3%; 5:46,4%

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>
| A-AOL/m/sq/v/5/a   | r=-.06, p<00 | 1: Mt=7.84
                     |             | 2: Mt=7.94
                     |             | 3: Mt=7.93
                     |             | 4: Mt=7.75
                     |             | 5: Mt=7.60 |
| O-SLu/c/sq/v/5/e   | r=-.07, p<00 | 1: Mt=7.54
                     |             | 2: Mt=7.75
                     |             | 3: Mt=7.40
                     |             | 4: Mt=7.39
                     |             | 5: Mt=7.25 |
| O-HL/c/sq/v/5/h    | r=-.06, p<00 | 1: Mt=7.13
                     |             | 2: Mt=7.26
                     |             | 3: Mt=7.19
                     |             | 4: Mt=6.98
                     |             | 5: Mt=6.88 |
Correlational finding on Happiness and Use of tobacco
Subject code: S13.2.8

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: 196

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: smoking per day (cigarettes equivalents)

Our classification: Use of tobacco, code S13.2.8

Measurement:
Single question:
"On the average, how much do you smoke a day? (cigarette equivalents)?"
1: 0 (cigarettes)
2: 1-2
3: 3-5
4: 6-10
5: 11-20
6: 21-40
7: > 40

Measured Values: N: 1:48,6%; 2:2,4%; 3:3,4%; 4:8,9%; 5:29,8%; 6:6,7%; 7:0,2%

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=-.07</td>
<td>1: Mt=7.86</td>
</tr>
<tr>
<td></td>
<td>p&lt;00</td>
<td>2: Mt=7.58</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3: Mt=7.89</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4: Mt=7.84</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5: Mt=7.71</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6: Mt=6.86</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7: Mt=7.23</td>
</tr>
</tbody>
</table>
Correlational finding on Happiness and Attitudes to own use of stimulants
Subject code: S13.3

Study | VEEHN 2003/1


Population: Adults, in 8 western nations, 1996

Sample: Probability sample (unspecified)

Non-Response:

N: 10000

Correlate

Authors label: Enjoyment of mundane pleasures

Our classification: Attitudes to own use of stimulants, code S13.3

Measurement: Respondents were first asked how much pleasure they took in everyday pleasures such as drinking, smoking, shopping and watching TV. They were also asked whether they felt any guilt when indulging in these activities. Average scores were compared across nations.

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>$r=+$</td>
<td>Average happiness by Enjoyment of mundane pleasures in 8 western nations</td>
</tr>
</tbody>
</table>

Data on happiness: World Database of Happiness, States of Nations

Appendix 1: Happiness Items used

Findings on Happiness and STIMULANTS

**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

**A-ARE/md/sqr/v/10/b**

Selfreport on single question, answered every evening before retiring during six weeks (experience sampling)

"On average; how elated or depressed, happy or unhappy you felt today....?
10 Complete elation, rapturous joy and soaring ecstasy
9 Very elated and in very high spirits. Tremendous delight and buoyancy
8 Elated and in high spirits
7 Feeling very good and cheerful
6 Feeling pretty good, "OK"
5 Feeling a little bit low. Just so-so
4 Spirits low and somewhat 'blue'
3 Depressed and feeling very low. Definitely 'blue'
2 Tremendously depressed. Feeling terrible, really miserable, "just awful"
1 Utter depression and gloom. Completely down. All is black and leaden. Wish it were all over.

Name: Wessman & Ricks' 'Elation - depression scale'

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

Selfreport on 10 questions:

During the past few weeks, did you ever feel .....? (yes/no)
A Particularly exited or interested in something?
B So restless that you couldn't sit long in a chair?
C Proud because someone complimented you on something you had done?
D Very lonely or remote from other people?
E Pleased about having accomplished something?
F Bored?
G On top of the world?
H Depressed or very unhappy?
I That things were going your way?
J Upset because someone criticized you?

Answer options and scoring:
yes = 1
no = 0

Summation:
-Positive Affect Score (PAS): A+C+E+G+I
-Negative Affect Score (NAS): B+D+F+H+J
-Affect Balance Score (ABS): PAS minus NAS
Possible range: -5 to +5

Name: Bradburn's 'Affect Balance Scale' (standard version)
Findings on Happiness and STIMULANTS

Selfreport on single question:

"Above you see a numbered ladder. Consider the top of the ladder as the best possible life and the bottom of the ladder as the worst possible life.
A Please place an X where you feel you are now.
B Place an Y at the point where you were five years ago.
C Please place a Z at the point that you feel you will be at five years from now.

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

Question A is the case question.

Name: Cantril's self anchoring ladder rating of life (modified version)

Selfreport on single question:

When you think of the things you want from life, how would you say that you're doing in getting the things you want.....?*
2 pretty well
1 not too well

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
Findings on Happiness and STIMULANTS

d rage
BE SHAME
a shame
b guilt
c regret
d embarrassment
BF SADNES
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

M-FH/g/sq/ol/11/a Selfreport on single question:
Do you feel happy in general?
0 minimum score
1
2
3
4
5
6
7
8
9
10 maximal score
Numbers presented on a horizontal line scale.

M-FH/g/sq/v/2/a Selfreport on single question:
"Are you generally satisfied? "
2 yes
1 no

M-TH/cm/sq/v/5/a Selfreport on single question:
During the past 4 weeks.... Have you been a happy person?
5 all of the time
4 most of the time
3 some of the time
2 a little of the time
1 none of the time

Item MH5 in SF-36 (Medical Outcome Study 36 item Short Form) version 2 (5-step rating scale)
Findings on Happiness and STIMULANTS

O-DT/u/sq/v/7/a 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)

O-DT/u/sqt/v/7/a Selfreport on single question, asked twice in interview:

How do you feel about your life as a whole......?
7 delighted
6 pleased
5 mostly satisfied
4 mixed
3 mostly dissatisfied
2 unhappy
1 terrible

Summation: arithmetic mean

Name: Andrews & Withey's "Delighted-Terrible Scale" (original version)
Also known as Lehman's 'Global lifesatisfaction'

O-HL/*/mq/v/16/a Self report on three questions:

A During the past 4 weeks.... Have you been a happy person?
6 all of the time
5 most of the time
4 a good bit of the time
3 some of the time
2 a little of the time
1 none of the time

B Considering your life as a whole, would you describe it as..?"
1 very unhappy
2 unhappy
3 unhappy
4 mixed
5 happy
6 happy
7 very happy

C Taking all together, how would you say things are these days?
3 very happy
2 pretty happy
1 not too happy

O-HL/c/sq/v/3/aa Selfreport on single question:

Taken all together, how would you say things are these days? Would you say that you are....?
3 very happy
2 pretty happy
1 not too happy
Findings on Happiness and STIMULANTS

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 ulykklig
1 meget ulykklig

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.

O-HP/g/mq/v/5/a Selfreport on 6 questions:

"Describe the kind of person you are. Please read each sentence, then mark how often it is true for you"
1 I feel like smiling
2 I generally feel in good spirits
3 I feel happy
4 I am very satisfied with life
5 I find a good deal of happiness in life
6 I feel sad

Response options:
5 almost always true
4 often true
3 sometimes true
2 seldom true
1 never true

Summation: average
Possible range: 1 to 5

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.
Findings on Happiness and STIMULANTS

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
1 meget utilfreds

Self report on single question:
How satisfying do you find your life at the moment.....?
1 very dissatisfying
2 quite dissatisfying
3 not satisfying not dissatisfying
4 quite satisfying
5 very satisfying

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

Selfreport on 3 questions:

A When you consider your present life as-a-whole, would you say you are....?
5 very happy
4 fairly happy
3 rather happy than unhappy
2 rather unhappy than happy
1 very unhappy
- DK/NA

B When you consider your present life as-a-whole, would you say you are.....?
5 very satisfied
4 fairly satisfied
3 rather satisfied than dissatisfied
2 rather dissatisfied than satisfied
1 fairly dissatisfied
- DK/NA

C How do you feel right now? Is your well-being.....?
5 very high
4 high
3 moderate
2 rather low
Findings on Happiness and STIMULANTS

1 very low
- DK/NA

Summation: The summed scores were divided in three strata: low, medium and high quality of life
## Appendix 2: Statistics used

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Explanation</th>
</tr>
</thead>
</table>
| Beta   | (8) STANDARDIZED REGRESSION COEFFICIENT by LEAST SQUARES (OLS)  
Type: test statistic.  
Measurement level: Correlates: all metric, Happinessl: metric.  
Range: [-1 ; +1]  
Meaning:  
beta > 0 « a higher correlate level corresponds with, on an average, higher happiness 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. |
| D%     | DIFFERENCE in PERCENTAGES  
Type: descriptive statistic only.  
Measurement level: Correlate level: dichotomous, but nominal or ordinal theoretically possible as well.  
Happiness level: dichotomous  
Range: [-100; +100]  
Meaning: the difference of the percentages happy people at two correlate levels. |
| DM     | DIFFERENCE of MEANS  
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. |
| G      | GOODMAN & Kruskal's GAMMA  
Type: test statistic  
Measurement level: Correlate: ordinal, Happinessl: ordinal  
Range: [-1; +1]  
Meaning:  
G = 0 « no rank correlation  
G = +1 « strongest possible rank correlation, where high correlate values correspond with high happiness ratings.  
G = -1 « strongest possible rank correlation, where high correlate values correspond with low happiness ratings. |
Findings on Happiness and STIMULANTS

**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.

**t.**
- **t-STATISTIC (Student's t-statistic)**
  - Type: symmetric standard test statistic.
  - One parameter: $n$ (= number of degrees of freedom (df) ; range df: [1; + 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.

**tau**
- **GOODMAN & Kruskal's TAU**
  - Type: descriptive statistic only.
  - Measurement level: Correlate: nominal, Happiness: ordinal
  - Range: [0; +1]

Meaning:
- $tau = 0$ « knowledge of the correlate value does not improve the prediction quality of the happiness rating.
- $tau = 1$ « knowledge of the correlate value enables a perfect (error-free) prediction of the happiness rating.

---

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

<table>
<thead>
<tr>
<th>Main Subjects</th>
<th>Subject Description</th>
<th>Number of Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>ACTIVITY: LEVEL (how much one does)</td>
<td>58</td>
</tr>
<tr>
<td>A2</td>
<td>ACTIVITY: PATTERN (what one does)</td>
<td>32</td>
</tr>
<tr>
<td>A3</td>
<td>AFFECTIVE LIFE</td>
<td>48</td>
</tr>
<tr>
<td>A4</td>
<td>AGE</td>
<td>400</td>
</tr>
<tr>
<td>A5</td>
<td>AGGRESSION</td>
<td>12</td>
</tr>
<tr>
<td>A6</td>
<td>ANOMY</td>
<td>32</td>
</tr>
<tr>
<td>A7</td>
<td>APPEARANCE (good looks)</td>
<td>15</td>
</tr>
<tr>
<td>A8</td>
<td>ATTITUDES</td>
<td>6</td>
</tr>
<tr>
<td>A9</td>
<td>AUTHORITARIANISM</td>
<td>4</td>
</tr>
<tr>
<td>B1</td>
<td>BIRTH CONTROL</td>
<td>1</td>
</tr>
<tr>
<td>B2</td>
<td>BIRTH HISTORY (own birth)</td>
<td>201</td>
</tr>
<tr>
<td>B3</td>
<td>BODY</td>
<td>77</td>
</tr>
<tr>
<td>C1</td>
<td>CHILDREN</td>
<td>1</td>
</tr>
<tr>
<td>C2</td>
<td>CHILDREN: WANT FOR (Parental aspirations)</td>
<td>6</td>
</tr>
<tr>
<td>C3</td>
<td>CHILDREN: HAVING (parental status)</td>
<td>195</td>
</tr>
<tr>
<td>C4</td>
<td>CHILDREN: CHARACTERISTICS OF ONE'S CHILDREN</td>
<td>25</td>
</tr>
<tr>
<td>C5</td>
<td>CHILDREN: RELATION WITH ONE'S CHILDREN</td>
<td>8</td>
</tr>
<tr>
<td>C6</td>
<td>CHILDREN: REARING OF ONE'S CHILDREN (parental behavior)</td>
<td>26</td>
</tr>
<tr>
<td>C7</td>
<td>COMMUNAL LIVING</td>
<td>9</td>
</tr>
<tr>
<td>C8</td>
<td>CONCERNS</td>
<td>18</td>
</tr>
<tr>
<td>C9</td>
<td>COPING</td>
<td>43</td>
</tr>
<tr>
<td>C10</td>
<td>CREATIVENESS</td>
<td>6</td>
</tr>
<tr>
<td>C11</td>
<td>CULTURE (Arts and Sciences)</td>
<td>8</td>
</tr>
<tr>
<td>D1</td>
<td>DAILY JOYS &amp; HASSLES</td>
<td>5</td>
</tr>
<tr>
<td>E1</td>
<td>EDUCATION</td>
<td>302</td>
</tr>
<tr>
<td>E2</td>
<td>EMPLOYMENT</td>
<td>363</td>
</tr>
<tr>
<td>E3</td>
<td>ETHNICITY</td>
<td>98</td>
</tr>
<tr>
<td>E4</td>
<td>EXPRESSIVE BEHAVIOR</td>
<td>12</td>
</tr>
<tr>
<td>F1</td>
<td>FAMILY OF ORIGIN (earlier family for adults, current for young)</td>
<td>236</td>
</tr>
<tr>
<td>F2</td>
<td>FAMILY OF PROCREATION</td>
<td>58</td>
</tr>
<tr>
<td>F3</td>
<td>FAMILY OF RELATIVES</td>
<td>157</td>
</tr>
<tr>
<td>F4</td>
<td>FARMING</td>
<td>25</td>
</tr>
<tr>
<td>F5</td>
<td>FREEDOM</td>
<td>32</td>
</tr>
<tr>
<td>Code</td>
<td>Category</td>
<td>Count</td>
</tr>
<tr>
<td>------</td>
<td>-----------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>F6</td>
<td>FRIENDSHIP</td>
<td>152</td>
</tr>
<tr>
<td>G1</td>
<td>GENDER</td>
<td>370</td>
</tr>
<tr>
<td>G2</td>
<td>GRIEF</td>
<td>1</td>
</tr>
<tr>
<td>H1</td>
<td>HABITS</td>
<td>1</td>
</tr>
<tr>
<td>H2</td>
<td>HANDICAP</td>
<td>25</td>
</tr>
<tr>
<td>H3</td>
<td>HAPPINESS: VIEWS ON HAPPINESS</td>
<td>49</td>
</tr>
<tr>
<td>H4</td>
<td>HAPPINESS: DISPERSION OF HAPPINESS</td>
<td>10</td>
</tr>
<tr>
<td>H5</td>
<td>HAPPINESS: CAREER</td>
<td>191</td>
</tr>
<tr>
<td>H6</td>
<td>HAPPINESS: CORRESPONDENCE OF DIFFERENT MEASURES</td>
<td>310</td>
</tr>
<tr>
<td>H7</td>
<td>HAPPINESS OF OTHERS</td>
<td>0</td>
</tr>
<tr>
<td>H8</td>
<td>HAPPINESS: REPUTATION OF HAPPINESS</td>
<td>19</td>
</tr>
<tr>
<td>H9</td>
<td>HEALTH-BEHAVIOR</td>
<td>25</td>
</tr>
<tr>
<td>H10</td>
<td>HELPING</td>
<td>5</td>
</tr>
<tr>
<td>H11</td>
<td>HOPE</td>
<td>8</td>
</tr>
<tr>
<td>H12</td>
<td>HOUSEHOLD: COMPOSITION</td>
<td>137</td>
</tr>
<tr>
<td>H13</td>
<td>HOUSEHOLD: WORK</td>
<td>32</td>
</tr>
<tr>
<td>H14</td>
<td>HOUSING</td>
<td>106</td>
</tr>
<tr>
<td>I1</td>
<td>INCOME</td>
<td>552</td>
</tr>
<tr>
<td>I2</td>
<td>INSTITUTIONAL LIVING</td>
<td>43</td>
</tr>
<tr>
<td>I3</td>
<td>INTELLIGENCE</td>
<td>71</td>
</tr>
<tr>
<td>I4</td>
<td>INTERESTS</td>
<td>8</td>
</tr>
<tr>
<td>I5</td>
<td>INTERVIEW</td>
<td>73</td>
</tr>
<tr>
<td>I6</td>
<td>INTIMACY</td>
<td>103</td>
</tr>
<tr>
<td>L1</td>
<td>LANGUAGE</td>
<td>2</td>
</tr>
<tr>
<td>L2</td>
<td>LEADERSHIP</td>
<td>8</td>
</tr>
<tr>
<td>L3</td>
<td>LEISURE</td>
<td>206</td>
</tr>
<tr>
<td>L4</td>
<td>LIFE APPRAISALS: OTHER THAN HAPPINESS</td>
<td>368</td>
</tr>
<tr>
<td>L5</td>
<td>LIFE CHANGE</td>
<td>35</td>
</tr>
<tr>
<td>L6</td>
<td>LIFE EVENTS</td>
<td>86</td>
</tr>
<tr>
<td>L7</td>
<td>LIFE GOALS</td>
<td>75</td>
</tr>
<tr>
<td>L8</td>
<td>LIFE HISTORY</td>
<td>2</td>
</tr>
<tr>
<td>L9</td>
<td>LIFE STYLE</td>
<td>22</td>
</tr>
<tr>
<td>L10</td>
<td>LOCAL ENVIRONMENT</td>
<td>374</td>
</tr>
<tr>
<td>L11</td>
<td>LOTTERY</td>
<td>8</td>
</tr>
<tr>
<td>L12</td>
<td>LOVE-LIFE</td>
<td>31</td>
</tr>
<tr>
<td>M1</td>
<td>MARRIAGE: MARITAL STATUS CAREER</td>
<td>64</td>
</tr>
<tr>
<td>M2</td>
<td>MARRIAGE: CURRENT MARITAL STATUS</td>
<td>543</td>
</tr>
<tr>
<td>M3</td>
<td>MARRIAGE: RELATIONSHIP</td>
<td>115</td>
</tr>
<tr>
<td>M4</td>
<td>MARRIAGE: PARTNER</td>
<td>46</td>
</tr>
<tr>
<td>M5</td>
<td>MEANING</td>
<td>23</td>
</tr>
<tr>
<td>M6</td>
<td>MEDICAL TREATMENT</td>
<td>81</td>
</tr>
<tr>
<td>M7</td>
<td>MENTAL HEALTH</td>
<td>218</td>
</tr>
<tr>
<td>M8</td>
<td>MIGRATION: TO OTHER COUNTRY</td>
<td>29</td>
</tr>
<tr>
<td>M9</td>
<td>MIGRATION: MOVING WITHIN COUNTRY (residential mobiility)</td>
<td>17</td>
</tr>
<tr>
<td>M10</td>
<td>MIGRATION: MIGRANT WORK</td>
<td>3</td>
</tr>
<tr>
<td>M11</td>
<td>MILITARY LIFE</td>
<td>7</td>
</tr>
<tr>
<td>M12</td>
<td>MODERNITY</td>
<td>6</td>
</tr>
<tr>
<td>M13</td>
<td>MOOD</td>
<td>246</td>
</tr>
</tbody>
</table>
Findings on Happiness and STIMULANTS

M14 MOTIVATION
N1 NATION: NATIONALITY
N2 NATION: ERA (temporal period)
N3 NATION: NATIONAL CHARACTER (modal personality)
N4 NATION: CONDITION IN ONE'S NATION
N5 NATION: POSITION OF ONE'S NATION
N6 NATION: ATTITUDES TO ONES NATION
N7 NATION: LIVABILITY OF ONE'S NATION
N8 NATION: ATTITUDES IN NATION
N9 REGION IN NATION
N10 NUTRITION
N21 ERA
O1 OCCUPATION
O2 ORGAN TRANSPLANTATION
P1 PERSONALITY: HISTORY
P2 PERSONALITY: CHANGE
P3 PERSONALITY: CURRENT ORGANIZATION
P4 PERSONALITY: CURRENT TRAITS
P5 PERSONALITY: LATER
P6 PHYSICAL HEALTH
P7 PLANNING
P8 POLITICAL BEHAVIOUR
P9 POPULARITY
P10 POSSESSIONS
P11 PRISON
P12 PROBLEMS
P13 PSYCHO-SOMATIC COMPLAINTS
P14 PETS
R1 RELIGION
R2 RESOURCES
R3 RETIREMENT
R4 ROLES
S1 SCHOOL
S2 SELF-IMAGE
S3 SEX-LIFE
S4 SLEEP
S5 SOCIAL MOBILITY
S6 SOCIAL PARTICIPATION: PERSONAL CONTACTS
S7 SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS
S8 SOCIAL PARTICIPATION: TOTAL (personal + associations)
S9 SOCIO-ECONOMIC STATUS
S10 SOCIAL SUPPORT: RECEIVED
S11 SOCIAL SUPPORT: PROVIDED
S12 SPORTS
S13 STIMULANTS
S14 SUICIDE
S15 SUMMED DETERMINANTS
T1 TIME
Appendix 5: Related Subjects

<table>
<thead>
<tr>
<th>Subject</th>
<th>Related Subject(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S13.3</td>
<td>Attitudes to own use of stimulants</td>
</tr>
</tbody>
</table>

A report of the World Database of Happiness, Correlational Findings