World Database of Happiness
Correlational Findings
© on data collected: Ruut Veenhoven, Erasmus University Rotterdam

Findings on Happiness & EXPRESSIVE BEHAVIOR

Correlate Code: E 4

Classification of Findings		*Number of Studies*
Correlate Code	*Correlate Name*	*on this Subject*
E 4	EXPRESSIVE BEHAVIOR	0
E 4.1	Behavioral career	0
E 4.1.1	Earlier expressiveness	0
E 4.1.2	Change in expressiveness	0
E 4.1.4	Later expressiveness	0
E 4.2	Current expressiveness	0
E 4.2.2	Specific expressive behaviors	0
E 4.2.2.1	. crying often	2
E 4.2.2.2	. laughing often	6
E 4.2.2.3	. writing firmness	2

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

Cite as:	Veenhoven, R.: Findings on Happiness & EXPRESSIVE BEHAVIOR
	World Database of Happiness. Internet: www.eur.nl/fsw/research/happiness
	Erasmus University Rotterdam, 2003, Netherlands

Study	**VENTE 1997**	*Page in Report:*	396,398

Reported in:	Ventegodt, S.
	Livskvalitet og omstændigheder tidligt I livet(The quality of Life and Factors in
	Forskningscenter for Livskvalitet , Forskningscentrets Forlag, København, Denmark, ISBN 8790190130
Population:	31-33 aged, born at the university hospital, Denmark, 1993
Sample:	Non-probability chunk sample
Non-Response:	36%
N:	4626

Measured Correlate

Class:	. crying often Code: E 4.2.2.1

Measurement:
```
(1)the infant's crying, day 1
1a: no sound
1b: crying weakly
1c: crying normally
1d: strong screaming, sounds physiological
1e: strong screaming, sounds non-physiological
(2)the infant's crying, day 5
2a: no sound
2b: crying weakly
2c: crying normally
2d: strong screaming, sounds physiological
2e: strong screaming, sounds non-physiological
```

Measured Values: N 1 all:4062, %:1a:16,8, 1b:18,5, 1c:51,7, 1d:12,0, 1e:1,0
N 2 all:3881, %:2a:37,9, 2b:15,2, 2c:40,0, 2d:6,7, 2e:0,2

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	Statistics	Remarks	
A-AOL/m/sq/v/5/a		day 1	day 5
		1a: Ms=7.73	2a: 7.76
		2a: Ms=7.69	2b: 7.63
		3a: Ms=7.69	2c: 7.73
		4a: Ms=7.94	2d: 7.75
		5a: Ms=7.83	2e: 8.34
O-HL/c/sq/v/5/h		day1	day 5
		1a: Ms=6.94	2a: 7.08
		1b: Ms=6.99	2b: 6.88
		1c: Ms=6.99	2c: 7.03
		1d: Ms=7.19	2d: 7.13
		1e: Ms=6.99	2e: 7.23

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

day1	day 5
1a: Ms=7. 41	2a: 7. 44
1b: Ms=7. 38	2b: 7. 30
1c: Ms=7. 38	2c: 7. 45
1d: Ms=7. 56	2d: 7. 53
1e: Ms=7. 05	2e: 7. 78

Study   **VENTE 1997**

Page in Report: 328

Reported in:	Ventegodt, S.
	Livskvalitet og omstændigheder tidligt I livet(The quality of Life and Factors in
	Forskningscenter for Livskvalitet , Forskningscentrets Forlag, København, Denmark, ISBN 8790190130
Population:	31-33 aged, born at the university hospital, Denmark, 1993
Sample:	Non-probability chunk sample
Non-Response:	36%
N:	4626

Measured Correlate

Class:	. crying often Code: E 4.2.2.1

Measurement:
```
time to the infant's first regular cry
1: immediately
2: under 1 minute
3: 1-2 minutes
4: 2-3 minutes
5: 3-5 minutes
6: 5-10 minutes
7: 10-15 minutes
8: over 15 minutes
```

Measured Values: N all: 4281, %:1:58,8, 2:32,8, 3:3,2, 4:2,1, 5:1,5, 6:1,1, 7:0,2, 8:0,2

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	Statistics		Remarks
A-AOL/m/sq/v/5/a	r=-.01	ns	1: Mt=7.73 2: Mt=7.75 3: Mt=7.63 4: Mt=7.78 5: Mt=7.76 6: Mt=7.13 7: Mt=8.34 8: Mt=7.81
O-HL/c/sq/v/5/h	r=-.20	ns	1: Mt=7.04 2: Mt=7.00 3: Mt=6.79 4: Mt=6.99 5: Mt=7.09 6: Mt=6.41 7: Mt=7.23 8: Mt=7.19

O-SLu/c/sq/v/5/e   r=-.01   ns   1: Mt=7.40
                                                2: Mt=7.41
                                                3: Mt=7.34
                                                4: Mt=7.55
                                                5: Mt=7.50
                                                6: Mt=6.69
                                                7: Mt=7.78
                                                8: Mt=7.50

Study	**KAMMA 1983/2**	*Page in Report:*	75

Reported in:	Kammann, R,; Flett, R. Sourcebook for Measuring Well-being with Affectometer 2. Why Not? Foundation, Dunedin, New Zealand.
Population:	18+ aged, general public, Dunedin, New Zealand, 1983
Sample:	
Non-Response:	52%
N:	112

Measured Correlate

Class:	. laughing often Code: E 4.2.2.2
Measurement:	Single direct question how one felt during the instructed time period (or otherwise in the past few weeks): "I smile and laugh a lot" Rated on a 5-point scale ranging from 'not at all' to 'all the time'

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	Statistics		Remarks
A-BK/cm/mq/v/5/a	r=+.62	p<.01	
M-FH/c/sq/v/7/a	r=+.46	p<.01	

Study	**NOELL 1977/7**	*Page in Report:*	227

Reported in:	Noelle-Neumann, E.
	Politik und Glück (Politics and happiness)
	H. Baier (ed.) Freiheit und Sachzwang, Westdeutscher Verlag,Opladen, 1977, 208 - 262
Population:	16+ aged, general public, West-Germany, 1973
Sample:	
Non-Response:	
N:	2035

Measured Correlate

Class:	. laughing often Code: E 4.2.2.2
Measurement:	Single direct question:
	How long ago have you really laughed?
	3 yesterday;
	2 in the past two weeks or
	1 longer ago?
Measured Values:	
Error Estimates:	
Remarks:	

Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-CA/mh/ri/v/2/a	G=+.30 p<.01	Comparison categories of more and less cheerful looking subjects stratified by sex, age and occupation.

Study   **SONDE 1975**   *Page in Report:*

Reported in: Sondermeijer, B.
                   Health correlates of happiness
                   Unpublished report, 1975, Rotterdam.

Population: 40-60 aged male employees, Rotterdam, The Netherlands, 197?

Sample:

Non-Response: 5%

N: 13,000

Measured Correlate

Class: . laughing often Code: E 4.2.2.2

Measurement: `Single direct question:`
                   `0 No`
                   `1 Yes`

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*	*Remarks*
M-FH/g/sq/v/2/a	G=+.52 p<.000	

Study	**SONDE 1975**	*Page in Report:*
Reported in:	Sondermeijer, B.	
	Health correlates of happiness	
	Unpublished report, 1975, Rotterdam.	
Population:	40-60 aged male employees, Rotterdam, The Netherlands, 197?	
Sample:		
Non-Response:	5%	
N:	13,000	

Measured Correlate

Class:	. laughing often Code: E 4.2.2.2
Measurement:	Single direct question:
	0 No
	1 Yes

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	Statistics	Remarks
M-FH/g/sq/v/2/a	G=+.52 p<. 000	
	G=+.52 p<. 000	

Study	**VENTE 1997**	*Page in Report:*	468

Reported in:	Ventegodt, S.
	Livskvalitet og omstændigheder tidligt I livet(The quality of Life and Factors in
	Forskningscenter for Livskvalitet , Forskningscentrets Forlag, København, Denmark, ISBN 8790190130
Population:	31-33 aged, born at the university hospital, Denmark, 1993
Sample:	Non-probability chunk sample
Non-Response:	36%
N:	4626

Measured Correlate

Class:	. laughing often Code: E 4.2.2.2
Measurement:	age when the child first smiles

```
1: 1-2 weeks
2: 3-4 weeks
3: 5-6 weeks
4: 7-8 weeks
5: 3-4 months
6: later than 4 months
```

Measured Values:	N all: 3059, %:1:2,3, 2:18,8, 3:34,5, 4:31,8, 5:11,9, 6:0,7
Error Estimates:	
Remarks:	

Observed Relation with Happiness

Happiness Query	Statistics		Remarks
A-AOL/m/sq/v/5/a	r=+.04	p<.02	1: Mt=7.78 2: Mt=7.61 3: Mt=7.73 4: Mt=7.79 5: Mt=7.91 6: Mt=8.58
O-HL/c/sq/v/5/h	r=+.03	ns	1: Mt=7.25 2: Mt=6.86 3: Mt=7.04 4: Mt=7.00 5: Mt=7.15 6: Mt=7.63
O-SLu/c/sq/v/5/e	r=+.05	p<.01	1: Mt=7.46 2: Mt=7.21 3: Mt=7.39 4: Mt=7.49 5: Mt=7.59 6: Mt=7.74

Study	**YOUNG 1937/1**	*Page in Report:*	330

Reported in: Young, P.T.
Laughing and weeping, cheerfulness and depression: A study of moods among
Journal of Social Psychology, 1937, vol. 8, p. 311-334

Population: College students, psychology course, USA, 1934-35

Sample:

Non-Response: -

N: 180

Measured Correlate

Class: . laughing often Code: E 4.2.2.2

Measurement: Repeated open-ended question on number of occasions one laughed
during the past 24 hours; scored twice with an in- terval of 16
days.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*	*Remarks*
A-ARE/md/sqr/v/7/a	r=+.28	

Study   **LUDWI 1971**

| | | *Page in Report:* | 64 |

Reported in: Ludwig, L.D.
Elation-Depression and skill as determinants of desire for excitement.
Unpublished doctoral dissertation, 1971, University of   Wisconsin, USA.

Population: Female students, undergraduates, University of Wisconsin, USA, 197?

Sample:

Non-Response: 81%; 61%
refusal, 5%
eliminated on
basis of
screening data,
15%
miscellaneous re

N: 72

Measured Correlate

Class: . writing firmness   Code: E 4.2.2.3

Measurement: S's signature.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*	*Remarks*
A-AOL/u/mq/v/10/a	r=-.12 ns	

Study	**NOELL 1977/3**	*Page in Report:*

Reported in:	Noelle Neumann, E.
	Politik und Glück (Politics and Happiness)
	H. Baier (ed.) Freiheit und Sachzwang, Westdeutscher Verlag,Opladen, 1977, 208 - 262
Population:	16+ aged, general public, West-Germany, 1973
Sample:	
Non-Response:	
N:	1041

Measured Correlate

Class:	. writing firmness Code: E 4.2.2.3
Measurement:	Single direct question: When did you last really burst out laughing heartly? 3. yesterday 2. in the last two weeks 1. or is that sometimes ago
Measured Values:	
Error Estimates:	
Remarks:	reported in NOELL 1978 table 14

Observed Relation with Happiness

Happiness Query	*Statistics*	*Remarks*
A-BB/cw/mq/v/2/a	G=+.30 p<.01	
	tb=+.20 p<.01	reported in NOELL 1978 table 14

Appendix 1   *Queries on Happiness used in reported Studies*
Happiness Query 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 Original text in Danish: 'Hvordan har du det for tiden? 5 meget godt 4 godt 3 hverken godt eller darligt 2 dårligt 1 meget dårligt
A-AOL/u/mq/v/10/a	Selfreport on 4 questions: "The following are statements of feelings or mood. Please read them over and then indicate which of these overall feelings best describes your feelings." A) Right now you feel .... B) The best you felt today .... C) The worst you felt today ... D) The way you usually feel ... Response options: 10. Complete elations, rapturous joy, and soaring ecstacy. 9. Very elated and in very high spirits; tremendous delight and bouyancy. 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. Summation: average scores on A,B,C,D. Name: Elation-Depression Scale (variant)
A-ARE/md/sqr/v/7/a	Selfreport on single question, asked twice with an interval of 16 days. "Consider your experience during the past 24 hours, being as objective and matter-of-fact as possible. Estimate honestly the prevailing or dominant level of your mood, and put a cross through the term which most accurately describes

your prevailing feeling".
7 highly elated
6 moderately cheerfull
5 mildly cheerfull
4 indifferent
3 wildly depressed
2 moderately depressed
1 extremely gloomy

Summation: Average of 32 scores.

A-BB/cw/mq/v/2/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 critized 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-BK/cm/mq/v/5/a   Selfreport on 40 questions:

"Over this time period (the last few weeks) I have had the feeling described by":
A My life is on the right track
B I seem to be left alone when I don't want to be
C I feel I can do whatever I want to
D I think clearly and creatively
E I feel like a failure
F Nothing seems very much fun any more
G I like myself
H I can't be bothered doing anything
I   I feel close to people around me
J I feel as though the best years of my life are over

K My future looks good
L I have lost interest in other people and don't care about them
M I have energy to spare
N I smile and laugh a lot
O I wish I could change some parts of my life
P My thoughts go around in useless circles
Q I can handle any problems that come up
R My life seems stuck in a rut
S I feel loved and trusted
T I feel there must be something wrong with me

"Over this period (the last few weeks), "how often you felt..."
U   Satisfied
V   Lonely
W   Free-and-easy
X   Clear-headed
Y   Helpless
Z   Impatient
AA   Usefull
AB   Depressed
AC   Loving
AD   Hopeless
AE   Optimistic
AF   Withdrawn
AG   Enthusiastic
AH   Good-natured
AI   Discontented
AJ   Confused
AK   Confident
AL   Tense
AM   Understood
AN   Insignificant

Answer options;
0 not at all
1 occasionally
2 some of the time
3 often
4 all the time

Summation:
- Positive Affect score (PAS): mean positive items
- Negative Affect Score (NAS): mean negative items
- Affect balance score (ABS): PAS minus NAS
Possible range: -4 to +4

A-CA/mh/ri/v/2/a   Interviewer-rating of cheerful appearance on 8 aspects

A The look is
   2) open
   1) evasive
   - impossible to say

B The corners of the mouth turn
   2) up
   1) down
   - impossible to say
C The posture is
   2) relaxed, at ease
   1) rather tense
   - impossible to say
D The movements are
   2) relaxed, at ease
   1) limited, withdrawn
   - impossible to say
E   The eyes are
   2) big, open
   1) small, screwn up
   - impossible to say
F The elbowes are kept
   2) not close to the body
   1) close to the body
   - impossible to say
G   The lips are more
   2) broad, full
   1) thin, pend up
   - impossible to say
H   All in all the subject looks
   2) quite cheerfull
   1) not very cheerfull
   - difficult to say

Scoring: sum of aspect ratings

Name: `Allensbacher Ausdruckstest'

Original text in German:
A Der Blick ist-
   2) frei
   1) eher ausweichend
   - unmöglich zu sagen
B Die Mundwinkel weisen -
   2) nach oben
   1) nach unten
   - unmöglich zu sagen
C Die Haltung ist -
   2) locker, gelöst
   1) eher steif
   - unmöglich zu sagen
D Die Bewegungen sind -
   2) locker, gelöst
   1) sparsam, zurückhaltend
   - unmöglich zu sagen
E   Die Augen sind eher -

2) grosz, offen
1) klein, verengt
- unmöglich zu sagen
F Die Elbogen werden gehalten -
2) nicht so eng am Körper
1) eng am Körper
- unmöglich zu sagen
G Die Lippen sind eher -
2) breit, voll
1) schmal, verpreszt
- unmöglich zu sagen
H Die Beobagte sieht insgesamt
2) ganz frohlich aus
1) nicht so frohlich aus
- schwer zu sagen

M-FH/c/sq/v/7/a
Selfreport on single question:

"Taking all things together, how would you say you have been this period? Check the frase that best describes how you have felt."
7 very happy
6 happy
5 somewhat happy
4 mixed (about equally happy and unhappy)
3 somewhat unhappy
2 unhappy
1 very unhappy

M-FH/g/sq/v/2/a
Selfreport on single question:

"Are you generally satisfied? "
2   yes
1   no

O-HL/c/sq/v/5/h
Selfreport on single question

'How happy are you now?'
5 very happy
4 happy
3 neither happy nor unhappy
2 unhappy
1 very unhappy

Original text in Danish:
'Hvor lykkelig er du for tiden?'
5 meget lykkelig
4 lykkelig
3 hverken eller
2 ullykklig
1 meget ullykkelig

O-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
1 meget utilfreds

On the web you will find an overview of valid queries on happiness and an explanation of the classification used. Go to: www.eur.nl/fsw/research/happiness/hap_quer/hqi_fp.htm. This is the introductory text to the Catalog of Happiness Queries.

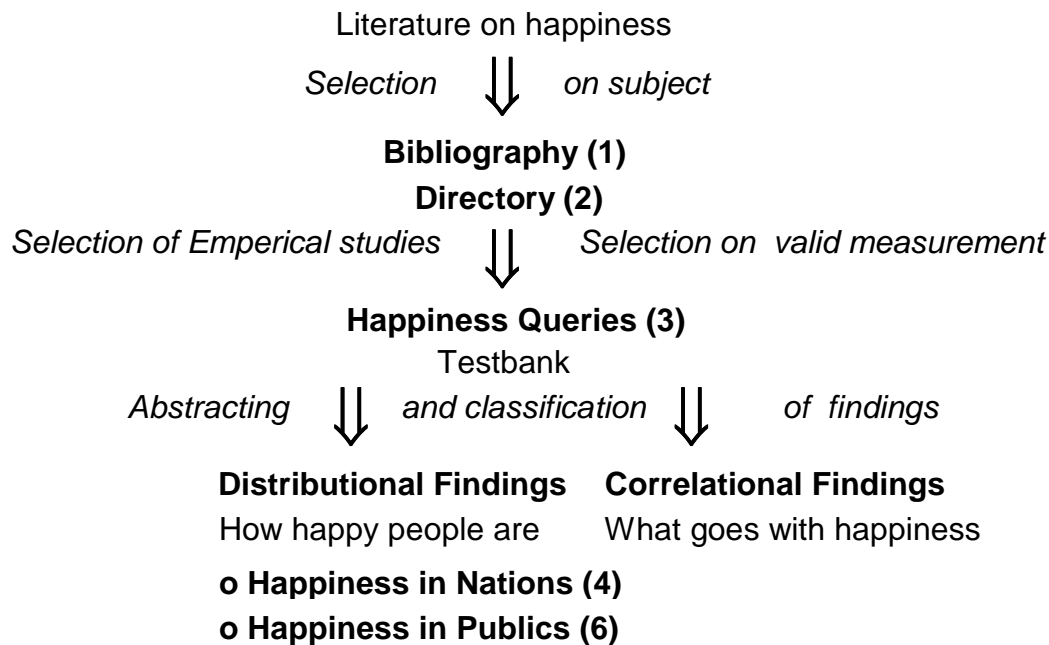## *Appendix 2   Statistics used in reported studies*

Symbol	*Explanation*
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.
r	PRODUCT-MOMENT CORRELATION COEFFICIENT (Also "Pearson's correlation coefficient' or simply 'correlation coefficient') Type: test statistic. Measurement level: Correlate: metric, Happiness: metric Range: [-1; +1] Meaning: r = 0 « no correlation , r = 1 « perfect correlation, where high correlate values correspond with high happiness values, and r = -1 « perfect correlation, where high correlate values correspond with low happiness values.
tb	KENDALL'S RANK CORRELATION COEFFICIENT TAU-B Type: test statistic Measurement level: Correlate: ordinal, Happiness: ordinal Range: [-1; +1] Meaning: tb = 0 « no rank correlation tb = 1 « perfect rank correlation, where high values of the correlate correspond with high happiness ratings. tb = -1 « perfect rank correlation, where high values of the correlate correspond with low happiness ratings.

On the web you will find a text explaining the statistics used in more detail. Go to:
www.eur.nl/fsw/research/happiness/hap_cor/cor_fp.htm. This is the introductory text to the Catalog of Correlational Findings. An overview of all statistics is in chapter 4.

Appendix 3: About the World Database of Happiness

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

Literature on happiness

Selection ⇓ *on subject*

Bibliography (1)

Directory (2)

Selection of Emperical studies ⇓ *Selection on valid measurement*

Happiness Queries (3)

Testbank

Abstracting ⇓ *and classification* ⇓ *of findings*

Distributional Findings   **Correlational Findings**

How happy people are   What goes with happiness

o Happiness in Nations (4)

o Happiness in Publics (6)

1   BIBLIOGRAPHY OF HAPPINESS Presents all contemporary scientific publications. Detailed subject-classification. Current contents: 3422 titles, mainly in English.

2   DIRECTORY OF INVESTIGATORS Names and addresses of most authors on the subject. Enumerates years of publication. Current contents: 5818 names and 3073 addresses. Part of Bibliography.

3   CATALOG OF HAPPINESS QUERIES (testbank) Presents all indicators that tap happiness as defined here. Current content: 522 measures, mostly single questions. Queries are classified by focus, time reference, mode of observation, rating and wording.

4   CATALOG OF HAPPINESS IN NATIONS Presents distributional research findings, in particular responses to questions on happiness in national survey studies. Allows comparison across time and nations. Current content: 1889 surveys in 112 nations, 1946-2000.

5   CATALOG OF HAPPINESS IN PUBLICS Distributional findings on happiness in special publics within nations, such as aged people. Current contents: 705 studies. Part of Catalog of Correlational Findings.

6   CATALOG OF CORRELATIONAL FINDINGS Presents abstracts of correlational research findings. Detailed subject-classification. Allows comparison through time and across nations. Current contents: 7476 findings from 705 studies in 140 nations, 1911-2000.

Appendix 4   Further Findings in the World Database of Happiness

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

H 3	HAPPINESS: ATTITUDES	39
H 5	HAPPINESS CAREER	144
H 6	HAPPINESS: CURRENT LEVEL	260
H 8	HEALTH-BEHAVIOR	15
H 9	HELPING	4
I 1	INCOME	415
I 2	INSTITUTIONAL LIVING	28
I 3	INTELLIGENCE	63
I 4	INTERESTS	5
I 5	INTERVIEW	49
I 6	INTIMACY	70
L 1	LANGUAGE	1
L 10	LOCAL ENVIRONMENT	270
L 11	LOTTERY	7
L 12	LOVE-LIFE	26
L 2	LEADERSHIP	8
L 3	LEISURE	128
L 4	LIFE APPRAISALS: OTHER THAN HAPPINESS4	290
L 5	LIFE-CHANGE	26
L 6	LIFE-EVENTS	63
L 7	LIFE-GOALS	52
L 8	LIFE HISTORY	1
L 9	LIFE STYLE	4
M 1	MARRIAGE: MARITAL STATUS CAREER	32
M 10	MIGRATION: MIGRANT WORK	3
M 11	MILITARY LIFE	5
M 12	MODERNITY	5
M 13	MOOD	181
M 2	MARRIAGE: CURRENT MARITAL STATUS	315
M 3	MARRIAGE: RELATIONSHIP	99
M 4	MARRIAGE: PARTNER	34
M 5	MEANING	18
M 6	MEDICAL TREATMENT	49
M 7	MENTAL HEALTH	99
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E 4.2.2.3	. writing firmness	P 4.44	Fortuitous
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End of Report