

Harmonization of Cross-National Studies of Aging to the Health and Retirement Study

User Guide

Subjective Well-Being

October 2022

Authors: Jacqui Smith, Lindsay Ryan, Yoobin Park, Alexandra Crosswell,
Drystan Phillips & Jinkook Lee

This document was prepared with supported from
the Network for Emotional Well-being.

This work was supported by the National Institutes of Health
(U24AG072699, R01 AG030153).

Table of Contents

Introduction	6
Executive Summary and Overview	8
1. Inventory of Measures.....	11
1.1 Evaluative Well-being Measures.....	12
1.1.1. 5-Item Satisfaction with Life Scale (SWL).....	12
1.1.2. Domain-Specific Satisfaction Items.....	12
1.1.3. Additional Single Item Life Satisfaction Question.....	13
1.1.4. Job Satisfaction Question.....	14
1.1.5. Cantril Ladder.....	14
1.2 Hedonic Well-being Measures.....	15
1.2.1. PANAS-X.....	15
1.2.2. MIDUS Affect Scale	16
1.3 Eudaimonic Well-being Measures	16
1.3.1. CASP-19 / CASP-12	16
1.3.2. Ryff's Psychological Well-being.....	17
1.4 Experienced Well-being Measures	19
1.4.1. Day Reconstruction.....	19
2. Methodological Issues across Surveys	21
2.1 Evaluative well-being measures.....	21
2.1.1 5-Item Satisfaction with Life Scale	21
2.1.2 Domain-Specific Satisfaction Items.....	21
2.1.3 Additional Single-Item Life Satisfaction Question.....	22
2.1.4 Job Satisfaction Question.....	23
2.1.5 Cantril Ladder	23
2.2 Hedonic well-being measures.....	24
2.2.1 PANAS-X.....	24
2.2.2 MIDUS Affect Scale	24
2.3 Eudaimonic well-being measures	24

2.3.1 CASP-19 / CASP-12	24
2.3.2 Ryff's Psychological Well-being	25
2.4 Experienced well-being measures	25
2.4.1 Day Reconstruction	25
3. Using Measures for Cross-Study Analysis	27
3.1 Evaluative Well-being Measures	27
3.1.1. 5-Item Satisfaction with Life Scale	27
3.1.2 Domain-Specific Satisfaction Items	27
3.1.3 Additional Single Item Life Satisfaction Question	28
3.1.4 Job Satisfaction Question	29
3.1.5 Cantril Ladder	29
3.2 Hedonic Well-being Measures	30
3.2.1 PANAS-X	30
3.2.2 MIDUS Affect Scale	30
3.3 Eudaimonic Well-being Measures	31
3.3.1 CASP-19/CASP-12	31
3.3.2 Ryff's Psychological Well-being	32
3.4 Experienced Well-being Measures	33
3.4.1 Day Reconstruction	33
4. Question Concordance	37
4.1 HRS	37
4.1.1 Evaluative Measures	37
4.1.2 Hedonic Measures	40
4.1.3 Eudaimonic measures	44
4.1.3.2 Ryff's Psychological Well-being Scale	45
4.1.4 Experienced measures	48
4.2 MHAS	57
4.2.1 Evaluative Measures	57
4.2.2 Hedonic Measures	58
4.2.3 Eudaimonic measures	59
4.2.4 Experienced measures	59
4.3 ELSA	59
4.3.1 Evaluative Measures	59

4.3.2 Hedonic Measures	61
4.3.3 Eudaimonic measures	63
4.3.4 Experienced measures	69
4.4 SHARE	74
4.9.1 Evaluative Measures	74
4.9.2 Hedonic Measures	75
4.9.3 Eudaimonic measures	75
4.9.4 Experienced measures	76
4.5 KLoSA	78
4.5.1 Evaluative Measures	78
4.5.2 Hedonic Measures	79
4.5.3 Eudaimonic measures	79
4.5.4 Experienced measures	79
4.6 JSTAR	80
4.6.1 Evaluative Measures	80
4.6.2 Hedonic Measures	81
4.6.3 Eudaimonic measures	81
4.6.4 Experienced measures	83
4.7 TILDA	83
4.7.1 Evaluative Measures	83
4.7.2 Hedonic Measures	84
4.7.3 Eudaimonic measures	85
4.7.4 Experienced measures	87
4.8 CHARLS	88
4.8.1 Evaluative Measures	88
4.8.2 Hedonic Measures	89
4.8.3 Eudaimonic measures	89
4.8.4 Experienced measures	89
4.9 LASI	91
4.9.1 Evaluative Measures	91
4.9.2 Hedonic Measures	92
4.9.3 Eudaimonic measures	93
4.9.4 Experienced measures	93

List of References..... 99

List of Tables

Table 1. Summary cross-survey Availability by Category of SWB..... 11

Table 2. SWLS Item Concordance Across Surveys 12

Table 3. Domain-Specific Item Concordance Across Surveys 13

Table 4. Single Item Life Satisfaction Question Across Surveys..... 13

Table 5. Job Satisfaction Question Concordance Across Surveys 14

Table 6. Cantril Ladder Item Concordance Across Surveys..... 14

Table 7. Affect Item Concordance Across Surveys..... 15

Table 8. MIDUS Affect Items in HRS..... 16

Table 9. CASP-19 (12) Concordance Across Surveys..... 17

Table 10. Ryff’s Psychological Well-being Concordance Across Surveys..... 18

Table 11. Day Reconstruction Concordance Across Surveys 19

Introduction

The Health and Retirement Study (HRS) has achieved remarkable scientific success, as demonstrated by an impressive number of users, and research studies and publications, utilizing the HRS. Its success has generated substantial interest in collecting similar data as population aging is progressing in every region of the world. The result has been a number of surveys designed to be comparable with the HRS: the Mexican Health and Aging Study (MHAS), the English Longitudinal Study of Ageing (ELSA), the Survey of Health, Ageing, and Retirement in Europe (SHARE), the Korean Longitudinal Study of Aging (KLoSA), the Japanese Study on Aging and Retirement (JSTAR), the Irish Longitudinal Study of Ageing (TILDA), the Chinese Health and Retirement Longitudinal Study (CHARLS), and the Longitudinal Aging Study in India (LASI). The overview of this family of surveys, including their research designs, samples, and key domains can be found in Lee (2010)¹.

As these surveys were designed with harmonization as a goal, they provide remarkable opportunities for cross-country studies. The value of comparative analyses, especially the opportunities they offer for learning lessons resulting from policies adopted elsewhere, is widely recognized. Yet there is only a limited number of empirical studies exploiting such opportunities. This is partly due to the difficulty associated with learning multiple surveys and the policies and institutions of each country. Identifying comparable questions across surveys is the first step toward cross-country analyses. The Gateway to Global Aging Data (g2aging.org) provides users with a digital library of questions for all these surveys. Its search engines enable users to examine a cross-country concordance for each survey question. Using them, researchers can identify all questions related to particular key words or within a domain or a sub-domain. The Gateway also provides macro-level statistics compiled from multiple sources².

Nevertheless, comparing these questions and evaluating comparability across surveys is still a labor-intensive process. Understanding all the idiosyncratic details in each survey takes still more effort. To facilitate such a process, we have prepared a series of domain-specific user guides. These user guides

¹ Lee, J. (2010). Data set for pension and health: Data collection and sharing for policy design, *International Social Security Review*, 63, (3-4), 197 - 222.

² Sources include: the Organization for Economic Cooperation and Development (OECD), the World Health Organization (WHO), the World Bank, the International Monetary Fund (IMF), the U.S. Census, Eurostat, national statistical offices of China, Indonesia, Japan, and Korea, International Labor Organization (ILO), and other publicly available information (i.e., Index Mundi, Doing Business).

are designed to provide researchers with documentation about the concepts, measures and questions of particular domains in all the HRS-family surveys. For each domain, we reviewed all relevant questions across surveys. These guides expand upon the information found in codebooks, questionnaires and data descriptions. They also provide our evaluation of the comparability across surveys and recommendations for harmonized measures that can be exploited for cross-country analyses. We hope these guides, by helping researchers save time and better understand what can be studied in the HRS-family surveys, accelerate scientific advances.

Executive Summary and Overview

This User Guide provides information about measures of well-being available in since 2002 in the US Health and Retirement Study (HRS), the English Longitudinal Study of Ageing (ELSA), the Survey of Health, Ageing, and Retirement in Europe (SHARE), the Korean Longitudinal Study of Aging (KLoSA), the Chinese Health and Retirement Longitudinal Study (CHARLS), the Japanese Study on Aging and Retirement (JSTAR), the Irish Longitudinal Study on Ageing (TILDA), the Indonesia Family Life Survey (IFLS), the Mexican Health & Aging Study (MHAS) and the Longitudinal Aging Study in India (LASI).

The User Guide describes the available survey measures for four categories of subjective well-being: (1) Evaluative, (2) Hedonic, (3) Eudaimonic, and (4) Experienced. These four categories were distinguished in a 2013 report of the US National Research Council³ and were recommended in 2013 by the OECD⁴ for inclusion in household population surveys, though are not the only way to divide up the large category of Subjective Well-being. We strongly encourage researchers to read these reports for further context as the reports provide background information about the history of research about subjective well-being as a social indicator of life experience which dates from the 1960s (see also Bradburn, 1969; Campbell, 1976).

To some extent, this guide repeats information found in study-specific codebooks, questionnaires, and data descriptions, and in multiple publications in the literature that report findings for specific study panels. The distinguishing feature of this User Guide is that we summarize measure comparability across the surveys and opportunities to harmonize data for cross-country analyses of subjective well-being associated with health, retirement and aging. The Guide also describes in Section 5 the harmonized variables that were created by the g2aging.org team as well as via advice from the authors of this Guide; these harmonized variables are newly created variables that allow for comparison across datasets. An overview of the well-being constructs assessed in at least two studies is provided in Table i. One important caveat to consider in cross-country comparisons is that an individual's reported experience of well-being reflects multiple time-varying proximal and distal contextual factors and that

³ Stone, A. A., & Mackie, C. E. (2013). *Subjective well-being: measuring happiness, suffering, and other dimensions of experience*. National Academies Press.

⁴ OECD. Publishing, & Organisation for Economic Co-operation and Development. (2013). *OECD guidelines on measuring subjective well-being*. OECD publishing.

differ within- and between-countries. The Gateway team has constructed harmonized variables for the majority of these constructs and included them in their Harmonized datasets.

For the purpose of this user guide Subjective Well-being is divided into the follow four categories:

Evaluative well-being. All studies included at least one measure of evaluative well-being indicators. These include items assessing satisfaction with a particular life domain (condition of place of residence, city or town of residence, daily life and leisure, family life, relationship with spouse, relationship with children, relationship with friends, financial situation, or health) or life overall. Satisfaction with life was assessed with a multi-item scale (Diener's Satisfaction with Life scale) in HRS, MHAS, ELSA, TILDA, and LASI, and/or a single-item scale in others. For domain-specific satisfaction, each study assessed different set of domains. See Section 1.1.2. for details. Subjective social status was assessed using the Cantril ladder in HRS, MHAS, ELSA, JSTAR, TILDA, and LASI.

Hedonic well-being. HRS and ELSA assessed the frequency of experiencing positive and negative affect over the past 30 days using PANAS-X.

Eudaimonic well-being. HRS, ELSA, SHARE, JSTAR, and TILDA included a version of quality of life scale (CASP). HRS, ELSA, and TILDA measured purpose in life using Ryff's psychological well-being scale.

Experienced well-being. HRS, SHARE, CHRLS, and LASI used the Day Reconstruction Method to assess positive and negative emotions experienced over a day.

Table i. Constructs Assessed in Each Study

	HRS	MHAS	ELSA	SHARE	KLoSA	JSTAR	TILDA	CHRLS	LASI
<i>Evaluative well-being</i>									
5-item satisfaction with life	X	X	X				X		X
Domain-specific satisfaction	X		X	X	X	X		X	X
Single-item life satisfaction	X	X	X	X	X	X	X	X	X
Single-item job satisfaction	X		X	X	X	X	X		
Cantril ladder	X	X	X			X	X		X
<i>Hedonic well-being</i>									
PANAS-X	X		X						
<i>Eudaimonic well-being</i>									
CASP-19/CASP-12	X		X	X		X	X		
Purpose in life	X		X				X		
<i>Experienced well-being</i>									
Positive affect	X			X				X	X
Negative affect	X			X				X	X

1. Inventory of Measures

This section summarizes coverage of the four broad categories of subjective well-being (SWB) that have been included in the HRS-family of surveys. All surveys include an indicator of evaluative well-being, typically assessed as a single item or a short scale of life satisfaction, but also may include domain specific satisfaction items. The HRS and ELSA include assessments of hedonic (i.e. affective) well-being, typically assessed as measures of positive and negative affect. Several surveys also have eudaimonic measures of well-being which reflect concepts such as a sense of autonomy, meaning, and purpose in one’s life. Since 2012, newly developed measures of experienced well-being were added to the HRS, ELSA, CHARLS, SHARE, and LASI surveys. These measures assess feelings of well-being anchored within a specific day.

Measures of depression and depressive symptoms (e.g. the Center for Epidemiologic Studies Depression Scale) have been frequently used as indicators of subjective well-being and are documented in a separate User Guide. We do not recommend the use of depression scales to assess SWB, especially given the amount of actual SWB measures that are now incorporated into the HRS family of surveys. The screening measures of depression included in population surveys indicate a lack of well-being indicative of poor mental health. Depression measures do not capture the multiple dimensions and levels of positive subjective well-being reported by older adults.

Table 1 summarizes coverage of the four categories in each population survey reviewed in this User Guide. The next sections document the specific measures in each survey, the original source of the measure, the response scale used, the mode of data collection [e.g., computer-assisted in-person interview (CAPI), computer-assisted telephone interview (CATI), and self-administered questionnaire (SAQ)] and the study waves in which the measures were collected.

Table 1. Summary cross-survey Availability by Category of SWB

	HRS	MHAS	ELSA	SHARE	KLoSA	JSTAR	TILDA	CHARLS	LASI
Evaluative	X	X	X	X	X	X	X	X	X
Hedonic	X		X						
Eudaimonic	X		X	X		X	X		
Experienced	X		X	X				X	X

X indicates any coverage in that study

1.1 Evaluative Well-being Measures

Evaluative measures of subjective wellbeing include some versions of life satisfaction or quality of life measures. Frequently used measures include: 5-item Satisfaction with Life Scale developed by Diener et al., Campbell's domain-specific life satisfaction, an additional or separate single item life satisfaction question, and the Cantril Self-Anchoring Striving Scale, often referred as the Cantril ladder.

1.1.1. 5-Item Satisfaction with Life Scale (SWL)

Sources:

Diener, E., Emmons, R. A., Larsen, R. J., & Griffin, S. (1985). The Satisfaction with Life Scale. *Journal of Personality Assessment*, 49(1), 71-75.

Pavot, W., & Diener, E. (1993). Review of the Satisfaction with Life Scale. *Psychological Assessment*, 5(2), 164-172.

Table 2. SWLS Item Concordance Across Surveys

	HRS	MHAS	ELSA	TILDA	LASI
In most ways my life is close to ideal.	Waves 7-14	Waves 3-5	Waves 2-9	Wave 4	Wave 1
The conditions of my life are excellent.	Waves 7-14	Waves 3-5	Waves 2-9	Wave 4	Wave 1
I am satisfied with my life.	Waves 7-14	Waves 3-5	Waves 2-9	Waves 1-4	Wave 1
So far, I have gotten the important things I want in life.	Waves 7-14	Waves 3-5	Waves 2-9	Wave 4	Wave 1
If I could live my life again, I would change almost nothing.	Waves 7-14	Waves 3-5	Waves 2-9	Wave 4	Wave 1

1.1.2. Domain-Specific Satisfaction Items

Source:

Campbell, A., Converse, P.E., & Rodgers, W. (1976). *The quality of American life: Perceptions, evaluations, and satisfactions*. New York: Russell Sage Foundation.

Table 3. Domain-Specific Item Concordance Across Surveys

	HRS	ELSA	KLoSA	JSTAR	TILDA	CHARLS	LASI
How satisfied are you with...							
The condition of the place where you live (house or apartment)?	Waves 1, 9-14	Wave 5					Wave 1
The city or town you live in?	Waves 9-14	Wave 5					
Your daily life and leisure activities?	Waves 9-14						
Your family life?	Waves 1, 9-14						
Your relationship with your spouse			Waves 1-6	Waves 1-3		Waves 3-4	
Your relationship(s) with your children			Waves 1-6			Waves 3-4	
Your relationship(s) with your friend(s)				Waves 1-3			
Your present financial situation?	Waves 1, 9-14		Waves 1-6				
Your health?	Waves 1, 9-14		Waves 1-6			Waves 3-4	
Your life as a whole these days?	Waves 1, 9-11		Waves 1-6		Waves 1-4	Waves 1-4	Wave 1

1.1.3. Additional Single Item Life Satisfaction Question

Source:

Campbell, A., Converse, P.E., & Rodgers, W. (1976). *The quality of American life: Perceptions, evaluations, and satisfactions*. New York: Russell Sage Foundation.

Table 4. Single Item Life Satisfaction Question Across Surveys

	HRS	MHAS	ELSA	SHARE	JSTAR
Please think about your life-as-a-whole. How satisfied are you with it?	Waves 9-14			Waves 2-7	
Please say how much you agree or disagree with the following statement: I am satisfied with my life		Waves 3-5	Waves 1-7		
Are you satisfied or unsatisfied with your current life?					Waves 1-3

1.1.4. Job Satisfaction Question

Source:

Quinn, R. P., & Staines, G. L. (1979). The 1977 quality of employment survey: Descriptive statistics, with comparison data from the 1969-70 and the 1972-73 surveys. Survey Research Center, Institute for Social Research, University of Michigan.

Table 5. Job Satisfaction Question Concordance Across Surveys

	HRS	ELSA	SHARE	KLoSA	JSTAR	TILDA
All things considered, I am satisfied with my job.	Waves 7-14	Waves 2-8	Waves 1-2, 4-7	Waves 1-6	Waves 1-3	Waves 2-4

1.1.5. Cantril Ladder

(also known as Subjective Social Status)

Source:

Cantril, H. (1965). *The pattern of human concerns*. New Brunswick, NJ. Rutgers University Press.

MacArthur Scale of Subjective Social Status. (1999). Retrieved from

<http://www.macses.ucsf.edu/Research/Psychosocial/notebook/subjective.html>

Think of this ladder as representing where people stand in our society. At the top of the ladder are the people who are the best off - those who have the most money, most education, and best jobs. At the bottom are the people who are the worst off - who have the least money, least education, and the worst jobs or no jobs. The higher up you are on this ladder, the closer you are to the people at the very top and the lower you are, the closer you are to the people at the very bottom.) Please mark an X on the rung on the ladder where you would place yourself.

Collected in SAQ: Image of ladder included.

Table 6. Cantril Ladder Item Concordance Across Surveys

	HRS	MHAS	ELSA	JSTAR	TILDA	LASI
Position on Ladder	Waves 7-14	Wave 2	Waves 1-8	Wave 2	Wave 4	Wave 1
Whether ladder position has changed in the past 2 years	Waves 7-14		Waves 2-3			

1.2 Hedonic Well-being Measures

These measures, also referred to as subjective wellbeing, assess global (e.g. trait) positive and negative anchored as feelings within the last 30 days and are expected to show relatively stable individual differences.

Sources:

Watson, D., & Clark, L.A. (1994). The PANAS-X: Manual for the positive and negative affect schedule – expanded form. University of Iowa. http://ir.uiowa.edu/psychology_pubs/11/
<https://www2.psychology.uiowa.edu/faculty/clark/panas-x.pdf>

Watson, D., Wiese, D., Vaidya, J., & Tellegen, A. (1999). The two general activation systems of affect: structural findings, evolutionary considerations, and psychobiological evidence. *Journal of Personality and Social Psychology*, 76(5), 820-838.

1.2.1. PANAS-X

Source:

Watson, D., & Clark, L.A. (1994). The PANAS-X: Manual for the positive and negative affect schedule – expanded form. University of Iowa. http://ir.uiowa.edu/psychology_pubs/11/
<https://www2.psychology.uiowa.edu/faculty/clark/panas-x.pdf>

PANAS-X asks individuals “During the past 30 days, to what degree did you feel...” and then provide individuals with a set of positive and negative items.

Table 7. Affect Item Concordance Across Surveys

Positive Affect Items – Global			Negative Affect Items - Global	
	HRS	ELSA		HRS
Determined?	Waves 9-14	Waves 5-7	Afraid?	Waves 9-14
Enthusiastic?	Waves 9-14	Waves 5-7	Upset?	Waves 9-14
Active?	Waves 9-14	Waves 5-7	Guilty?	Waves 9-14
Proud?	Waves 9-14	Waves 5-7	Scared?	Waves 9-14
Interested?	Waves 9-14	Waves 5-7	Frustrated?	Waves 9-14
Happy?	Waves 9-14	Waves 5-7	Bored?	Waves 9-14
Attentive?	Waves 9-14	Waves 5-7	Hostile?	Waves 9-14
Content?	Waves 9-14	Waves 5-7	Jittery?	Waves 9-14
Inspired?	Waves 9-14	Waves 5-7	Ashamed?	Waves 9-14
Hopeful?	Waves 9-14	Waves 5-7	Nervous?	Waves 9-14
Alert?	Waves 9-14	Waves 5-7	Sad?	Waves 9-14
Calm?	Waves 9-14	Waves 5-7	Distressed?	Waves 9-14
Excited?	Waves 9-14	Waves 5-7		

1.2.2. MIDUS Affect Scale

Source:

Mroczek, D. K., & Kolarz, C. M. (1998). The effect of age on positive and negative affect: a developmental perspective on happiness. *Journal of Personality and Social Psychology*, 75(5), 1333-1349.

The MIDUS Affect questions asks individuals how much they felt a set of positive and negative emotions over the past 30 days and individuals can respond using a 5-point scale ranging from All of the time to None of the time

Table 8. MIDUS Affect Items in HRS

Positive Affect		Negative Affect	
	HRS		HRS
Cheerful?	Wave 8	So depressed that nothing could cheer you?	Wave 8
In good spirits?	Wave 8	Hopeless?	Wave 8
Extremely happy?	Wave 8	Restless or fidgety?	Wave 8
Calm and peaceful?	Wave 8	That everything was an effort?	Wave 8
Satisfied?	Wave 8	Worthless?	Wave 8
Full of life?	Wave 8	Nervous?	Wave 8
You were happy?	Wave 8	You could not get going?	Wave 8
You enjoyed life?	Wave 8	Your sleep was restless	Wave 8
		Lonely?	Wave 8
		Sad?	Wave 8

1.3 Eudaimonic Well-being Measures

These measures, also referred to as, psychological wellbeing, emphasize the role of psychological needs such as autonomy and self-actualization.

1.3.1. CASP-19 / CASP-12

Sources:

Hyde M, Wiggins RD, Higgs P, Blane DB (2003). A measure of quality of life in early old age: the theory, development and properties of a needs-satisfaction model (CASP-19). *Aging and Mental Health*, 7(3), 186-94. DOI: 10.1080/1360786031000101157

Wiggins RD, Netuveli G, Hyde M, Higgs P, Blane D. (2008). The evaluation of a self-enumerated scale of quality of life (CASP-19) in the context of research on ageing: a combination of exploratory and confirmatory approaches. *Social Indicators Research*, 89, 61–77. doi:10.1007/s11205-007-9220-5.

Table 9. CASP-19 (12) Concordance Across Surveys

<i>Here is a list of statements that people have used to describe their lives or how they feel. We would like to know how often, if at all, you feel this way</i>	HRS	ELSA	SHARE	JSTAR	TILDA
My age prevents me from doing the things I would like to.	Wave 7	Waves 1-8	Waves 1, 2, 4-7	Waves 2-3	Waves 1-4
I feel that what happens to me is out of my control.	Wave 7	Waves 1-8	Waves 1, 2, 4-7	Waves 2-3	Waves 1-4
I feel free to plan for the future.	Wave 7	Waves 1-8		Waves 2-3	Waves 1-4
I feel left out of things.	Wave 7	Waves 1-8	Waves 1, 2, 4-7	Waves 2-3	Waves 1-4
I can do the things that I want to do.	Wave 7	Waves 1-8	Waves 1, 2, 4-7	Waves 2-3	Waves 1-4
Family responsibilities prevent me from doing what I want to do.	Wave 7	Waves 1-8	Waves 1, 2, 4-7	Waves 2-3	Waves 1-2
I feel that I can do as I please.*	Wave 7	Waves 1-8		Waves 2-3	Waves 1-2
My health stops me from doing things I want to do.	Wave 7	Waves 1-8		Waves 2-3	Waves 1-4
Shortage of money stops me from doing the things I want to do.	Wave 7	Waves 1-8	Waves 1, 2, 4-7	Waves 2-3	Waves 1-4
I look forward to each day.	Wave 7	Waves 1-8	Waves 1, 2, 4-7	Waves 2-3	Waves 1-4
I feel that my life has meaning.	Wave 7	Waves 1-8	Waves 1, 2, 4-7	Waves 2-3	Waves 1-4
I enjoy the things that I do.	Wave 7	Waves 1-8		Waves 2-3	Waves 1-2
I enjoy being in the company of others.	Wave 7	Waves 1-8		Waves 2-3	Waves 1-4
On balance, I look back on my life with a sense of happiness.	Wave 7	Waves 1-8	Waves 1, 2, 4-7	Waves 2-3	Waves 1-2
I feel full of energy these days.	Wave 7	Waves 1-8	Waves 1, 2, 4-7	Waves 2-3	Waves 1-2
I choose to do things that I have never done before.	Wave 7	Waves 1-8		Waves 2-3	Waves 1-2
I feel satisfied with the way my life has turned out.	Wave 7	Waves 1-8		Waves 2-3	Waves 1-4
I feel that life is full of opportunities.	Wave 7	Waves 1-8	Waves 1, 2, 4-7	Waves 2-3	Waves 1-4
I feel that the future looks good for me.	Wave 7	Waves 1-8	Waves 1, 2, 4-7	Waves 2-3	Waves 1-2

*In ELSA, the exact wording was “I feel that I can please myself what I do.” Also see Section 3.

1.3.2. Ryff’s Psychological Well-being

Sources:

Ryff, C.D., & Keyes, C.M. (1995). The structure of psychological well-being revisited, *Journal of*

Personality and Social Psychology, 69 (4): 719 – 727.

Ryff, C. D. (1995). Psychological well-being in adult life. *Current Directions in Psychological Science*, 4, 99- 104.

Table 10. Ryff's Psychological Well-being Concordance Across Surveys

	HRS	ELSA	TILDA
<i>Please read the statements below and decide the extent to which each statement describes you.</i>			
Purpose in Life			
I enjoyed making plans for the future and working to make them a reality.	Waves 7-14	Wave 2	Wave 4
My daily activities often seem trivial and unimportant to me.	Waves 7-14		Wave 4
I am an active person in carrying out the plans I set for myself.	Waves 7-14	Wave 2	Wave 4
I don't have a good sense of what it is I'm trying to accomplish in life.	Waves 7-14	Wave 2	Wave 4
I sometimes feel as if I've done all there is to do in life.	Waves 7-14	Wave 2	Wave 4
I live life one day at a time and don't really think about the future.	Waves 7-14	Wave 2	Wave 4
I have a sense of direction and purpose in my life.	Waves 7-14	Wave 2	Wave 4
Personal Growth			
I am not interested in activities that will expand my horizons.	Wave 8	Wave 2	
I think it is important to have new experiences that challenge how I think about myself and the world.	Wave 8	Wave 2	
When I think about it, I haven't really improved much as a person over the years.	Wave 8	Wave 2	
I have the sense that I have developed a lot as a person over time.	Wave 8	Wave 2	
I do not enjoy being in new situations that require me to change my old familiar ways of doing things.	Wave 8		
I gave up trying to make big improvements or changes in my life a long time ago.	Wave 8	Wave 2	
For me, life has been a continuous process of learning, changing, and growth.	Wave 8	Wave 2	
Self-Acceptance			
I feel like many of the people I know have gotten more out of life than I have.	Wave 8	Wave 2	
In general, I feel confident and positive about myself.	Wave 8	Wave 2	
When I compare myself to friends and acquaintances, it makes me feel good about who I am.	Wave 8	Wave 2	
My attitude about myself is probably not as positive as most people feel about themselves.	Wave 8	Wave 2	
In many ways, I feel disappointed about my achievements in life.	Wave 8	Wave 2	
When I look at the story of my life, I am pleased with how things have turned out.	Wave 8	Wave 2	
I like most parts of my personality.	Wave 8	Wave 2	

1.4 Experienced Well-being Measures

These measures focus on positive and negative emotions an individual experiences over a specific time-frame, most commonly over a day, and are expected to be fluid depending on the time frame.

1.4.1. Day Reconstruction

Sources:

Kahneman, D., Krueger, A., Schkade, D. A., Schwarz, N., & Stone, A. A. (2004). A survey method for characterizing daily life experience: The Day Reconstruction Method. *Science*, 306 (5702), 1776- 1780.

National Research Council. (2013). Subjective well-being: Measuring happiness, suffering, and other dimensions of experience. Panel on measuring subjective well-being in a policy relevant framework. Washington, DC: The National Academies Press. <https://www.nap.edu/download/18548>.

Table 11. Day Reconstruction Concordance Across Surveys

<i>Now please pause briefly to think about YESTERDAY, from the morning until the end of the day. Think about where you were, what you were doing, who you were with, and how you felt.</i>					
	HRS	ELSA	SHARE	CHARLS	LASI
Characteristics of the Day & Self-Reported Health Yesterday					
What day of the week was it yesterday?	Waves 11-14	Waves 6-7, 9	Wave 7	Wave 2	Wave 1
What was the date yesterday?	Waves 11-14			Wave 2	
What time did you wake up yesterday?	Waves 11-14	Waves 6-7, 9		Wave 2	
What time did you go to sleep at the end of the day yesterday?	Waves 11-14	Waves 6-7, 9		Wave 2	Wave 1
Did you feel well-rested yesterday morning (that is you slept well the night before)? [yes or no options]	Waves 11-14	Waves 6-7, 9			Wave 1
Was yesterday a normal day for you or did something unusual happen? [normal day, unusually bad, unusually good options]	Waves 11-14	Waves 6-7, 9	Wave 7		Wave 1
How was your health yesterday? [5-point scale]	Waves 11-14				
Overall Experienced well-being yesterday (HWB-12)^A					
Yesterday, did you feel... [Not at all, A little, Somewhat, Quite a bit, Very]					
Frustrated	Waves 11-14		Wave 7	Wave 2	Wave 1
Sad	Waves 11-14		Wave 7	Wave 2	Wave 1
Enthusiastic	Waves 11-14			Wave 2	Wave 1
Lonely	Waves 11-14		Wave 7	Wave 2	Wave 1
Content	Waves 11-14		Wave 7	Wave 2	Wave 1

Worried	Waves 11-14		Wave 7	Wave 2	Wave 1
Bored	Waves 11-14		Wave 7	Wave 2	Wave 1
Happy	Waves 11-14	Waves 6-9	Wave 7	Wave 2	Wave 1
Angry	Waves 11-14		Wave 7	Wave 2	Wave 1
Tired	Waves 11-14		Wave 7	Wave 2	Wave 1
Stressed	Waves 11-14		Wave 7	Wave 2	Wave 1
Yesterday, did you feel any pain? [None, A little, Some, Quite a bit, A lot]	Waves 6-8	Waves 6-7, 9	Wave 7	Wave 2	Wave 1
Activity-related Affective Experience Yesterday^B					
<i>How did you feel when you were (activity) yesterday^C?</i>					
Happy	Waves 11-14	Waves 6-7			Wave 1
Interested	Waves 11-14	Waves 6-7			Wave 1
Frustrated	Waves 11-14	Waves 6-7			Wave 1
Sad	Waves 11-14	Waves 6-7			Wave 1
Content	Waves 11-14				
Bored	Waves 11-14				
Pain	Waves 11-14				

^A The 12-item HWB-12 scale used to assess overall affective and somatic experiences was developed in 2011 by Jacqui Smith and Arthur Stone during a collaborative meeting in Ann Arbor with the HRS psychosocial team.

^B After questions about participation and time for each activity, participants were asked to rate the intensity of three positive and three negative affective experiences during the activity and also if they had experience pain while doing the activity. The first 4 affects were asked in the same order used in a 2012 UK Office of National Statistics survey and in ELSA.

^C 7-point Likert scale where 0 = "Did not experience the feeling at all" to 6 = "Feeling was extremely strong" NOTE: Some SAQs in ELSA were printed without the "0" response option.

2. Methodological Issues across Surveys

2.1 Evaluative well-being measures

2.1.1 5-Item Satisfaction with Life Scale

HRS

- Collected in SAQ from a rotating random 50% of the longitudinal panel every four years from 2006 to 2018. A 6-point scale was used in 2006. 2004 uses a reverse-coded scale (1=strongly agree; 7=strongly disagree). The original 7-point scale used in 2008 and all later waves.

MHAS

- Collected in CAPI in Waves 3-5. A 3-point scale was used.

ELSA

- Collected in SAQ from 2004 to 2018 (Waves 2 to 9). A 7-point scale is used.

TILDA

- Collected in the CAPI interview Wave 4. A 7-point scale was used.

LASI

- Collected in CAPI in Wave 1. A 7-point scale was used.

2.1.2 Domain-Specific Satisfaction Items

HRS

- Items included in 1992 CATI core interview and in the SAQ since 2008. A 5-point scale is used.

ELSA

- Satisfaction with area where you live and accommodation where you live are asked as part of Social Participation CAPI module in 2010. A 5-point scale was used.

KLoSA

- Collected in CAPI core interviews (waves 1 through 6). 2008 Question frame: *Please answer how much you are satisfied with the following sentences compared to your friends.* A scale ranging 0 = absolutely dissatisfied to 100 = absolutely satisfied.

JSTAR

- Satisfaction with relationship with spouse and friendships asked in SAQ in waves 1 to 4. A 4-point scale was used.

TILDA

- Using the prompt, “In a scale from 1 to 7 where 1 means strongly agree and 7 means strongly disagree, please say how much you agree with the following statement”, respondents are asked life satisfaction in the CAPI interview at waves 1 to 4 using a 7-point scale.

CHARLS

- Satisfaction with marriage and relationship with children asked in CAPI in Wave 3 and 4 using a 5- point scale.
- Satisfaction with life-as-a-whole was asked in CAPI in waves 1 through 4 using a 5-point scale.

LASI

- Satisfaction with current living arrangement asked in CAPI in wave 1 using a 5-point scale.
- Satisfaction with life-as-a-whole was asked in CAPI in wave 1 using a 5-point scale.

2.1.3 Additional Single-Item Life Satisfaction Question

HRS

- Using the question, “Please think about your life-as-a-whole. How satisfied are you with it? Are you completely satisfied, very satisfied, somewhat satisfied, not very satisfied, or not at all satisfied?”, life satisfaction was collected alternatively in CAPI or CATI core interview every wave since 2008, and prior to 2008 was only asked during a Respondent’s first interview. A 5-point scale was used.
- This question is separate from the domain-specific satisfaction questions which are asked in the HRS SAQ though the question wording and scale make it comparable to the domain-specific life-as-a-whole satisfaction item.

MHAS

- A single item on life satisfaction was included in waves 3-5. The question wording changed slightly in wave 4, replacing the word “satisfied” with “happy”. A 3-point scale was used for all three waves (agree, neutral, disagree).

ELSA

- A single item on life satisfaction was included in waves 2-7 SAQ using a 7-point scale ranging from strongly agree to strongly disagree.

SHARE

- Using the question, “On a scale from 0 to 10 where 0 means completely dissatisfied and 10 means completely satisfied, how satisfied are you with your life?”, life satisfaction was collected in CAPI core interview for waves 2, 4, 5, 6, and 7, using an 11-point scale.

JSTAR

- Using the question, “Are you satisfied or unsatisfied with your current life?”, life satisfaction was collected in SAQ in waves 1-3. A 4-point scale is used.

2.1.4 Job Satisfaction Question

HRS

- Job Satisfaction asked since 2004 A 4-point scale is used. 2004 uses a reverse-coded scale.

ELSA

- Job satisfaction collected in SAQ in waves 2-8 using a 4-point scale.

SHARE

- Job satisfaction questions asked in CAPI in waves 1 through 7 using a 4-point scale.

KLoSA

- Satisfaction with job asked in CAPI waves 1 to 6 using a 4-point scale.

JSTAR

- Satisfaction with job was asked at CAPI Core interview in waves 1 to 4. A 4-point scale was used.

TILDA

- A single item on job satisfaction was asked in CAPI in waves 2 through 4 using a 4-point scale.

2.1.5 Cantril Ladder

HRS

- Included since 2004. Continuous measure (5-100)
- Also asks whether respondents' position on the ladder has changed within the last 2 years

MHAS

- Asked in 2003 as a numeric measure (1-10). The question reads: "If you consider your present situation and compare it with that of all other people in Mexico, where would you place yourself?"

ELSA

- Included in SAQ in Waves 1 to 8 as numeric measure (1-10)
- In waves 2 and 3, ELSA asks whether respondents' position on the ladder changed in the last two years.

JSTAR:

- Included in the wave 2 - 5 cities SAQ as a numeric measure (1-10)

TILDA

- Asked in 2016 as a numeric measure (1-10)

LASI

- Included in wave 1 as a numeric measure (1-10)

2.2 Hedonic well-being measures

2.2.1 PANAS-X

HRS

- Collected in SAQ in all waves since 2008. 5-point scale (Very much to not at all)

ELSA

- Collected in SAQ in waves 5-7. 5-point scale (Very much to not at all)

2.2.2 MIDUS Affect Scale

HRS

- Collected in SAQ in 2006 using a 5-point scale (All of the time to none of the time)

2.3 Eudaimonic well-being measures

2.3.1 CASP-19 / CASP-12

HRS

- CASP-19 included in SAQ in 2004 only. Uses a 4-point scale. [Often, Sometimes, Not often, Never].

ELSA

- CASP-19 included in SAQ in waves 1-8. Uses a 4-point scale. [Often, Sometimes, Not often, Never].

SHARE

- A shorter version of CASP19 (CASP-12) included in CAPI in waves 1, 2, 4, 5, 6, and 7. Uses a 4-point scale [Often, Sometimes, Rarely, Never].

JSTAR

- CASP-19 included in CAPI in waves 2 and 3. Uses a 4-point scale. [Often, Sometimes, Seldom, Never].

TILDA

- CASP-19 were included in SAQ in waves 1-4 [Often, Sometimes, Not often, Never], but the availability of the specific raw variables varies between waves. Most notably, the raw CASP-19 variables are not currently included as part of the public data for all waves, but derived scales are included in all four waves.

2.3.2 Ryff's Psychological Well-being

HRS

- A subset of the Purpose in Life statements was included in 2004, along with the statement: "Some people wander aimlessly through life, but I am not one of them." A 6-point scale was used for all of the statements, ranging from strongly agree to strongly disagree.
- Three dimensions were included in the 2006 SAQ: Purpose in Life, Personal Growth, and Self-Acceptance. A 6-point scale was used for each item, ranging from strongly disagree to strongly agree.
- Beginning in 2008, only the Purpose in Life domain was included in the SAQ. A 6-point scale was used for each item, ranging from strongly disagree to strongly agree.

ELSA

- The full version of Ryff's psychological well-being measure was included in wave 2. A 7-point scale was used, ranging from strongly agree to strongly disagree.

TILDA

- The Purpose in Life dimension was included in 2016 and used a 6-point scale ranging from strongly disagree to strongly agree.

2.4 Experienced well-being measures

2.4.1 Day Reconstruction

HRS

- Included in the SAQ in 2012, 2014, 2016, 2018.

ELSA

- Included in the SAQ in waves 6, 7, and 9. Within the activity participation section, running errands was not asked in waves 6 or 7. Activity-related feelings were not asked in wave 9.
- Pain experienced yesterday was asked as part of SAQ in waves 6, 7, and 9.
- ELSA also asks overall happiness experienced yesterday in the SAQ in wave 8 using a 0 to 10 scale with 0 being not at all and 10 being very.
- ELSA also asks overall anxiety experienced yesterday in the SAQ in wave 8 using a 0 to 10 scale with 0 being not at all and 10 being very.

SHARE

- Included in Switzerland's wave 7 SAQ respondents were asked to provide separate quantities for the amount of time they spent volunteering, working, socializing with friends, and socializing with family on the previous day.

CHARLS

- Characteristics of the day yesterday and overall experienced well-being yesterday were included in wave 2 CAPI interview.

LASI

- Included in wave 1 TU module of the CAPI interview.

3. Using Measures for Cross-Study Analysis

This section was developed with advice by the Network for Emotional Well-being. To determine the harmonizability of items, the Network team referred to work in survey methodology (e.g., see Wolf et al., 2016, or for an empirical demonstration, Bartz et al., 2016).

3.1 Evaluative Well-being Measures

3.1.1. 5-Item Satisfaction with Life Scale

For studies which included the Satisfaction with Life Scale using a 7-point scale (HRS after 2006, ELSA, TILDA, LASI), each of the five items should be scored so that 7 = Strongly Agree and 1 = Strongly Disagree. This will require reverse scoring in ELSA and LASI.

For studies which included the Satisfaction with Life Scale using a 3-point scale (MHAS), each of the five items should be scored so that 3 = Agree and 1 = Disagree. This will require reverse scoring in MHAS.

To provide a measure which is also comparable to the 3-point scale in MHAS, the 7-point scale answers can also be recoded to a 3-point scale using the following conversion: 3 = Strongly Agree, Somewhat Agree, or Slightly Agree, 2 = Neither agree nor Disagree, and 1 = Slightly Disagree, Somewhat Disagree, or Strongly Disagree.

An index of life satisfaction can be created by averaging the scores across all items. Both a 7-point and 3-point version can be created. For both the final score should be set to missing if there are three or more items with missing values. Higher scores will indicate greater life satisfaction.

3.1.2 Domain-Specific Satisfaction Items

The domain specific life satisfaction includes an option of 10 domains – each study asked a subset of these domains. The comparability across studies depends on the availability of those domain-specific items in the datasets being compared. Table 3 in Section 1.1.2 shows the existing domain-specific satisfaction items by study.

For studies which included domain-specific satisfaction items using a 5-point scale ranging from completely satisfied to not at all satisfied (HRS, CHARLS, LASI), each of the items should be scored so that 1 = completely satisfied and 5 = not at all satisfied.

For studies which included domain-specific satisfaction items using a 7-point scale ranging from strongly agree to strongly disagree (TILDA), each of the items should be scored so that 1 = strongly agree and 7 = strongly disagree.

For studies which included domain-specific satisfaction items using a 5-point scale ranging from very satisfied to very dissatisfied (ELSA), each of the items should be scored so that 1 = very satisfied and 5 = very dissatisfied. It is important to note that variables with this 5-point question wording will not be directly comparable to variables with the 5-point scaling ranging from completely satisfied to not at satisfied.

For studies which include domain-specific satisfaction items using a 0 – 100 scale with 0 representing absolutely dissatisfied and 100 representing absolutely satisfied (KLoSA), each of the items should be reverse coded so that 0 indicates absolutely satisfied and 100 indicates absolutely dissatisfied.

For studies which include domain-specific satisfaction using a 4-point scale ranging from very satisfied to very dissatisfied (JSTAR), each of the items should be scored so that 1 = very satisfied and 4 = very dissatisfied.

To provide a measure which is also comparable between the 5-point scale ranging from very satisfied to very dissatisfied (ELSA) and the 7-point scale ranging from strongly agree to strongly disagree (TILDA), an alternative 3-point scale can be developed. The 5-point scale answers can also be recoded to a 3-point scale using the following conversion: 1 = Very satisfied or Fairly satisfied, 2 = Neither satisfied nor dissatisfied, and 3 = Slightly dissatisfied or very dissatisfied. The 7-point scale answers can also be recoded to a 3-point scale using the following conversion: 1 = Strongly Agree, Somewhat Agree, or Slightly Agree, 2 = Neither agree nor Disagree, and 3 = Slightly Disagree, Somewhat Disagree, or Strongly Disagree.

3.1.3 Additional Single Item Life Satisfaction Question

For studies which included an additional single-item life satisfaction question ranging from completely satisfied to not at all satisfied (HRS), the variable should be scored so that 1 = completely satisfied and 5 = not at all satisfied and it can be considered comparable to the domain-specific life-as-a-whole satisfaction item.

For studies which included an additional single-item life satisfaction question using the prompt “Please say how much you agree with the statement” and then the statement “I am satisfied with my life” using a 3-point scale of agreement (MHAS), the variable should be coded so that 1 = agree and 3 = disagree.

For studies which included an additional single-item life satisfaction question using the prompt “Please say how much you agree with the statement” and then the statement “I am satisfied with my life” using a 7-point scale of agreement (ELSA), the variable should be coded so that 1 = completely agree and 7 = completely disagree.

For studies which included an additional single-item life satisfaction question using a 0 to 10 scale ranging from completely dissatisfied to completely satisfied (SHARE), the variable should be scored so that 0 = completely satisfied and 10 = completely dissatisfied. This will require reverse scoring in SHARE.

To create a variable which has more cross-study, different scales of the life satisfaction question, whether from the domain-specific life-as-a-whole item or the additional single-item life satisfaction question) could be z-scored. Before z-scoring make sure that all variables have a similar direction so that lower scores indicate more satisfaction and higher scores indicate less satisfaction.

3.1.4 Job Satisfaction Question

For studies which included a job satisfaction using a 4-point scale ranging from strongly agree to strongly disagree (HRS, ELSA, SHARE, KLoSA, JSTAR, TILDA), the variable should be scored so that 1 = strongly agree and 4 = strongly disagree.

3.1.5 Cantril Ladder

For studies which included a continuous 1-10 version of the Cantril Ladder (HRS, MHAS, JSTAR, TILDA, LASI), the variable should be scored so that 1 = lowest rung and 10 = highest rung.

For ELSA which included a 5-100 version of Cantril Ladder, the variable should be scaled by dividing by 10 so that it ranges from 0.5 to 10, making it comparable to other studies.

For studies which included a question of whether the position on the ladder has changed in the last two years using a 3-category option response of 1) moved up, 2) moved down, and 3) not changed (HRS,

ELSA), the variable should be scored so that 1 = moved up, 2 = not changed, and 3 = moved down. This will require changing the scoring in HRS and ELSA.

3.2 Hedonic Well-being Measures

3.2.1 PANAS-X

For studies which included the positive affect items of PANAS-X using a 5-point scale ranging from very much to not at all (HRS, ELSA), each of the items should be scored so that 1 = not at all and 5 = very much. This will require reverse scoring all items.

For studies which included the negative affect items of PANAS-X using a 5-point scale ranging from very much to not at all (HRS), each of the items should be scored so that 1 = not at all and 5 = very much. This will require reverse scoring all items.

To create an index of positive affect, after reverse scoring items so that 1 = not at all and 5 = very much, average the scores across all 13 items. Set the final score to missing if there are seven or more items with missing values.

To create an index of negative affect, after reverse scoring items so that 1 = not at all and 5 = very much, average the scores across all 12 items. Set the final score to missing if there are seven or more items with missing values.

3.2.2 MIDUS Affect Scale

For studies which included the positive affect items of MIDUS Affect Scale using a 5-point scale ranging from all of the time to none of the time (HRS), each of the items should be scored so that 1 = none of the time and 5 = all of the time. This will require reverse scoring all items.

For studies which included the negative affect items of PANAS-X using a 5-point scale ranging from all of the time to none of the time (HRS), each of the items should be scored so that 1 = none of the time and 5 = all of the time. This will require reverse scoring all items.

To create an index of positive affect, after reverse scoring items so that 1 = none of the time and 5 = all of the time, average the scores across all 8 items. Set the final score to missing if there are five or more items with missing values.

To create an index of negative affect, after reverse scoring items so that 1 = none of the time and 5 = all of the time, average the scores across all 10 items. Set the final score to missing if there are six or more items with missing values.

3.3 Eudaimonic Well-being Measures

3.3.1 CASP-19/CASP-12

For studies which included the CASP-19/CASP-12 using a 4-point scale ranging from often to never (HRS, ELSA, SHARE, JSTAR, TILDA), each of the items should be scored so that 0 = never and 3 = often.

To create an index of control, sum scores across the control items:

1. My age prevents me from doing the things I would like to
2. I feel that what happens to me is out of my control
3. I feel free to plan for the future (not included in CASP-12)
4. I feel left out of things
5. I can do the things that I want to do
6. Family responsibilities prevent me from doing what I want to do

Items 1, 2, 4, and 6 should be reverse coded before the summation.

To create an index of autonomy, sum scores across the autonomy items:

1. I feel that I can please myself what I can do (not included in CASP-12)
2. My health stops me from doing the things I want to do (not included in CASP-12)
3. Shortage of money stops me from doing the things that I want to do
4. I look forward to each day
5. I feel that my life has meaning

Items 2 and 3 should be reverse coded before the summation. Note that item 1 was phrased slightly differently (“I feel that I can please myself what I do”) in ELSA.

To create an index of pleasure, sum scores across the pleasure items:

1. I enjoy the things that I do (not included in CASP-12)
2. I enjoy being in the company of others (not included in CASP-12)
3. On, balance, I look back on my life with a sense of happiness

4. I feel full of energy these days

To create an index of self-realization, sum scores across the self-realization items:

1. I choose to do things that I have never done before (not included in CASP-12)
2. I feel satisfied with the way my life has turned out (not included in CASP-12)
3. I feel that life is full of opportunities
4. I feel that the future looks good for me

To create a total CASP-19, sum across all items, after reverse-coding as mentioned above, which will yield a score ranging from 0 to 57.

To create a total CASP-12, sum across all items, after reverse-coding as mentioned above, which will yield a score ranging from 0 to 36. A comparable total CASP-12 score was created from studies which included the all CASP-19 items by only summing across the CASP-12 items.

3.3.2 Ryff's Psychological Well-being

For studies which included the Ryff's Psychological Well-being using a 6-point scale ranging from strongly agree to strongly disagree (HRS, TILDA), each item should be scored as 1 strongly disagree to 6 strongly agree.

For studies which included the Ryff's Psychological Well-being using a 7-point scale ranging from strongly agree to strongly disagree (ELSA), each item should be scored as 1 strongly disagree to 7 strongly agree.

Create a Purpose of Life index by averaging the scores across the Purpose of Life items after reverse coding the following items:

- My daily activities often seem trivial and unimportant to me.
- I don't have a good sense of what it is I'm trying to accomplish in life.
- I sometimes feel as if I've done all there is to do in life.
- I live life one day at a time and don't really think about the future.

Set the final score to missing if there are four or more items with missing values.

Create a Personal Growth index by averaging the scores across the Personal Growth items after reverse coding the following items:

- I am not interested in activities that will expand my horizons.
- When I think about it, I haven't really improved much as a person over the years.
- I do not enjoy being in new situations that require me to change my old familiar ways of doing things.
- I gave up trying to make big improvements or changes in my life a long time ago.

Set the final score to missing if there are four or more items with missing values.

Create a Self-Acceptance index by averaging the scores across the Self-Acceptance items after reverse coding the following items:

- I feel like many of the people I know have gotten more out of life than I have.
- My attitude about myself is probably not as positive as most people feel about themselves.
- In many ways, I feel disappointed about my achievements in life.

Set the final score to missing if there are four or more items with missing values.

3.4 Experienced Well-being Measures

3.4.1 Day Reconstruction

For studies which included the characteristics of the day yesterday items (HRS, ELSA, SHARE, CHARLS, LASI), these items can be created without any recoding. Did you feel well rested yesterday morning should be coded as 0 = no and 1 = yes. Was yesterday a normal day for you should be coded as 1 = my day included unusually good thing, 2 = Just a normal day, 3 = my day included unusually bad things.

For studies which included the self-reported health yesterday question using a 5-point scale ranging excellent to poor (HRS), this variable should be coded as 1 = excellent and 5 = poor.

For studies which included the Overall Experienced Well-Being Yesterday items using a 5-point scale ranging from not at all to very and ranging from none to a lot for the pain item (HRS, SHARE, CHARLS, LASI), each item should be scored as 1 = not at all and 5 very which the exception of the pain item which should be coded as 1 = none and 5 = a lot.

Create an index of overall experienced positive affect overall yesterday by averaging the following items:

1. Enthusiastic
2. Content
3. Happy

Set the final score to missing if more than one of the items have missing values.

Create an index of overall experienced negative affect overall yesterday by averaging the following items:

1. Frustrated
2. Sad
3. Lonely
4. Worried
5. Bored
6. Angry

Set the final score to missing if more than two of the items have missing values.

Create an index of overall experienced psychosomatic symptoms overall yesterday by averaging the following items:

1. Tired
2. Stressed
3. Did you feel any pain?

Set the final score to missing if more than one of the items have missing values.

For studies which included the activity participation yesterday items (HRS, ELSA, SHARE, LASI), from each activity can be derived a whether did activity variable and a time spent doing activity variable. The whether did activity variable should be coded as 0 = no and 1 = yes. For studies which did not explicitly ask whether the individual did the activity (SHARE), a whether did activity variable can be creating using the time spend doing variables and coding reports of 0 time as 0.no and coding reports of any amount of time above zero as 1. yes. The time spent doing activity variables should be coded in minutes by first converting any hour reports to 60 minutes. For individuals who said they did not do the activity and were not asked how much time they spent doing the activity, a value of 0 minutes can be assigned in the time spent doing variable.

For studies which included the Activity-Related Affective Experience Yesterday items using a 0 to 6 scale ranging from did not experience at all to feeling was extremely strong (HRS, ELSA, LASI), each item should be coded as 0 = did not experience at all to 6 = feeling was extremely strong.

Create a 3-item index of activity-related positive affect for each activity by averaging the following items:

- Happy
- Interested
- Content

The summary score will range from 0 – 6. Set the final score to missing if more than one item is missing.

A 2-item index of activity-related positive affect for each activity can also be created by averaging the following two items:

- Happy
- Interested

The summary score will range from 0 – 6. Set the final score to missing if either item is missing.

Create a 3-item index of activity-related negative affect for each activity by averaging the following items:

- Frustrated
- Sad
- Bored

The summary score will range from 0 – 6. Set the final score to missing if more than one item is missing.

A 2-item index of activity-related negative affect for each activity can also be created by averaging the following two items:

- Frustrated
- Sad

The summary score will range from 0 – 6. Set the final score to missing if either item is missing.

4. Question Concordance

4.1 HRS

4.1.1 Evaluative Measures

4.1.1.1 Diener's 5-item Satisfaction with Life Scale (2008 variables reported; similar questions available 2004-2018)

LLB003A: Please say how much you agree or disagree with the following statements: In most ways my life is close to ideal.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. NEITHER AGREE OR DISAGREE; 5. SLIGHTLY AGREE; 6. SOMEWHAT AGREE; 7. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB003B: Please say how much you agree or disagree with the following statements: The conditions of my life are excellent.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. NEITHER AGREE OR DISAGREE; 5. SLIGHTLY AGREE; 6. SOMEWHAT AGREE; 7. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB003C: Please say how much you agree or disagree with the following statements: I am satisfied with my life.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. NEITHER AGREE OR DISAGREE; 5. SLIGHTLY AGREE; 6. SOMEWHAT AGREE; 7. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB003D: Please say how much you agree or disagree with the following statements: So far, I have gotten the important things I want in life.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. NEITHER AGREE OR DISAGREE; 5. SLIGHTLY AGREE; 6. SOMEWHAT AGREE; 7. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB003E: Please say how much you agree or disagree with the following statements: If I could live my life again, I would change almost nothing.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. NEITHER AGREE OR DISAGREE; 5. SLIGHTLY AGREE; 6. SOMEWHAT AGREE; 7. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview, Missing

*** Notes: 2006 uses a 6 point scale, while the rest of the years use a 7 point scale. 2004 uses the reverse of the scales listed above (1=strongly agree; 7=strongly disagree).

4.1.1.2 Domain-Specific Satisfaction Items (2008 questions reported; available in 1992 and 2008-2018)

LLB039A: Please think about your life and situation RIGHT NOW. HOW SATISFIED ARE YOU WITH... (Mark X) one box for each line.) The condition of the place where you live (house or apartment)?

Answers: 1. COMPLETELY SATISFIED; 2. VERY SATISFIED; 3. SOMEWHAT SATISFIED; 4. NOT VERY SATISFIED; 5. NOT AT ALL SATISFIED; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB039B: Please think about your life and situation RIGHT NOW. HOW SATISFIED ARE YOU WITH... (Mark X) one box for each line.) The city or town you live in?

Answers: 1. COMPLETELY SATISFIED; 2. VERY SATISFIED; 3. SOMEWHAT SATISFIED; 4. NOT VERY SATISFIED; 5. NOT AT ALL SATISFIED; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB039C: Please think about your life and situation RIGHT NOW. HOW SATISFIED ARE YOU WITH... (Mark X) one box for each line.) Your daily life and leisure activities?

Answers: 1. COMPLETELY SATISFIED; 2. VERY SATISFIED; 3. SOMEWHAT SATISFIED; 4. NOT VERY SATISFIED; 5. NOT AT ALL SATISFIED; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB039D: Please think about your life and situation RIGHT NOW. HOW SATISFIED ARE YOU WITH... (Mark X) one box for each line.) Your family life?

Answers: 1. COMPLETELY SATISFIED; 2. VERY SATISFIED; 3. SOMEWHAT SATISFIED; 4. NOT VERY SATISFIED; 5. NOT AT ALL SATISFIED; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB039E: Please think about your life and situation RIGHT NOW. HOW SATISFIED ARE YOU WITH... (Mark X) one box for each line.) Your present financial situation?

Answers: 1. COMPLETELY SATISFIED; 2. VERY SATISFIED; 3. SOMEWHAT SATISFIED; 4. NOT VERY SATISFIED; 5. NOT AT ALL SATISFIED; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB039F: Please think about your life and situation RIGHT NOW. HOW SATISFIED ARE YOU WITH... (Mark X) one box for each line.) Your health?

Answers: 1. COMPLETELY SATISFIED; 2. VERY SATISFIED; 3. SOMEWHAT SATISFIED; 4. NOT VERY SATISFIED; 5. NOT AT ALL SATISFIED; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB039G: Please think about your life and situation RIGHT NOW. HOW SATISFIED ARE YOU WITH... (Mark X) one box for each line.) Your life as a whole these days?

Answers: 1. COMPLETELY SATISFIED; 2. VERY SATISFIED; 3. SOMEWHAT SATISFIED; 4. NOT VERY SATISFIED; 5. NOT AT ALL SATISFIED; Blank. INAP (Inapplicable), Partial Interview, Missing

*Notes: Question topics available in 1992 include the respondents' satisfaction with their house or apartment, the neighborhood in which they live, their family life, financial situation, health and physical condition, life as a whole, job, friendships, and marriage.

4.1.1.3 Single Item Life Satisfaction (2008 question is reported; similar questions available 2008-2018)

LB000: Please think about your life-as-a-whole. How satisfied are you with it? Are you completely satisfied, very satisfied, somewhat satisfied, not very satisfied, or not at all satisfied?

Answers: 1. COMPLETELY SATISFIED; 2. VERY SATISFIED; 3. SOMEWHAT SATISFIED; 4. NOT VERY SATISFIED; 5. NOT AT ALL SATISFIED; 8. DK (Don't Know), NA (Not Ascertained); 9. RF (Refused); Blank. INAP (Inapplicable), Partial Interview

4.1.1.4 Job Satisfaction (2008 questions reported; available 2004-2018)

LLB050A: Please say how much you agree or disagree with each of the following statements. (Mark (X) one box for each line.) All things considered, I am satisfied with my job.

Answers: 1. STRONGLY DISAGREE; 2. DISAGREE; 3. AGREE; 4. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview, Missing

*Note: 2004 uses the reverse of the scales shown above; in other words, it assigns 1=Strongly agree. Some years have an option of 5=Does not apply.

4.1.1.5 Subjective Social Status; Cantril Ladder (2008 questions reported; available 2004-2018)

LLB043: Think of this ladder as representing where people stand in our society. At the top of the ladder are the people who are the best off - those who have the most money, most education, and best jobs. At the bottom are the people who are the worst off - who have the least money, least education, and the worst jobs or no jobs. The higher up you are on this ladder, the closer you are to the people at the very top and the lower you are, the closer you are to the people at the very bottom.

Please mark an X on the rung on the ladder where you would place yourself.

Answers: Varies from 1-10

LLB044: Has your position on the ladder changed within the last two years?

Answers: 1. YES, I HAVE MOVED UP; 2. YES, I HAVE MOVED DOWN; 3. NO, MY POSITION HAS NOT CHANGED); Blank. INAP (Inapplicable), Partial Interview, Missing

*Notes: In 2004, the code values for respondents' position change on Cantril's Ladder are 1=Yes, I have moved up; 3=Yes, I have moved down, and 5=No, my position has not changed.

4.1.2 Hedonic Measures

4.1.2.1 PANAS-X (2008 questions reported; questions available 2008-2018)

LLB027A: During the past 30 days, TO WHAT DEGREE DID YOU FEEL...Afraid?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank.
INAP (Inapplicable), Partial Interview, Missing

LLB027B: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Upset?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank.
INAP (Inapplicable), Partial Interview, Missing

LLB027C: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Determined?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank.
INAP (Inapplicable), Partial Interview, Missing

LLB027D: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Enthusiastic?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank.
INAP (Inapplicable), Partial Interview, Missing

LLB027E: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Guilty?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank.
INAP (Inapplicable), Partial Interview, Missing

LLB027F: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Active?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank.
INAP (Inapplicable), Partial Interview, Missing

LLB027G: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Proud?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank.
INAP (Inapplicable), Partial Interview, Missing

LLB027H: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Interested?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank.
INAP (Inapplicable), Partial Interview, Missing

LLB027I: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Scared?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank.
INAP (Inapplicable), Partial Interview, Missing

LLB027J: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Frustrated?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank.
INAP (Inapplicable), Partial Interview, Missing

LLB027K: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Happy?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB027L: During the past 30 days, TO WHAT DEGREE DID YOU FEEL...Bored?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB027M: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Hostile?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB027N: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Jittery?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB027O: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Ashamed?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB027P: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Attentive?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB027Q: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Content?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB027R: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Nervous?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB027S: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Sad?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB027T: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Inspired?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB027U: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Hopeful?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB027V: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Alert?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB027W: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Distressed?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB027X: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Calm?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank. INAP (Inapplicable), Partial Interview, Missing

LLB027Y: During the past 30 days, TO WHAT DEGREE DID YOU FEEL... Excited?

Answers: 1. VERY MUCH; 2. QUITE A BIT; 3. MODERATELY; 4. A LITTLE; 5. NOT AT ALL; Blank. INAP (Inapplicable), Partial Interview, Missing

4.1.2.2 MIDUS Affect Items (2006)

KLBO27A: During the past 30 days, how much of the time did you feel...cheerful?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

KLBO27B: During the past 30 days, how much of the time did you feel...in good spirits?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

KLBO27C: During the past 30 days, how much of the time did you feel...extremely happy?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

KLBO27D: During the past 30 days, how much of the time did you feel...calm and peaceful?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

KLBO27E: During the past 30 days, how much of the time did you feel...satisfied?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

KLBO27F: During the past 30 days, how much of the time did you feel...full of life?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

KLB027G: During the past 30 days, how much of the time did you feel...you were happy?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

KLB027H: During the past 30 days, how much of the time did you feel...you enjoyed life?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

KLB027I: During the past 30 days, how much of the time did you feel...so depressed that nothing could cheer you?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

KLB027J: During the past 30 days, how much of the time did you feel...hopeless?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

KLB027K: During the past 30 days, how much of the time did you feel...restless or fidgety?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

KLB027L: During the past 30 days, how much of the time did you feel...that everything was an effort?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

KLB027M: During the past 30 days, how much of the time did you feel...worthless?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

KLB027N: During the past 30 days, how much of the time did you feel...nervous?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

KLB027O: During the past 30 days, how much of the time did you feel...you could not get going?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

KLB027P: During the past 30 days, how much of the time did you feel...your sleep was restless?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

KLB027Q: During the past 30 days, how much of the time did you feel...lonely?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

KLB027R: During the past 30 days, how much of the time did you feel...sad?

Answers: 1. ALL OF THE TIME; 2. MOST OF THE TIME; 3. SOME OF THE TIME; 4. A LITTLE OF THE TIME; 5. NONE OF THE TIME; Blank. INAP (Inapplicable), Partial Interview

4.1.3 Eudaimonic measures

4.1.3.1 CASP-19/CASP-12 (2004)

JLB503A: Here is a list of statements that people have used to describe their lives or how they feel. We would like to know how often, if at all, you feel this way. My age prevents me from doing the things I would like to.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

JLB503B: I feel that what happens to me is out of my control.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

JLB503C: I feel free to plan for the future.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

LB503D: I feel left out of things.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

JLB503E: I can do the things that I want to do.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

JLB503F: Family responsibilities prevent me from doing what I want to do.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

JLB503G: I feel that I can do as I please.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

JLB503H: My health stops me from doing things I want to do.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

JLB503I: Shortage of money stops me from doing the things I want to do.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

JLB503J: I look forward to each day.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

JLB503K: I feel that my life has meaning.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

JLB503L: I enjoy the things that I do.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

JLB503M: I enjoy being in the company of others.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

JLB503N: On balance, I look back on my life with a sense of happiness.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

JLB503O: I feel full of energy these days.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

JLB503P: I choose to do things that I have never done before.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

JLB503Q: I feel satisfied with the way my life has turned out.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

JLB503R: I feel that life is full of opportunities.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

JLB503S: I feel that the future looks good for me.

Answers: 1. OFTEN; 2. SOMETIMES; 3. NOT OFTEN; 4. NEVER

4.1.3.2 Ryff's Psychological Well-being Scale

(JLB506H is taken from 2004, while the rest are from 2006; questions available 2004-2018 for the Purpose in Life dimension, 2006 for the Personal Growth and Self-Acceptance dimensions, and 2004 for JLB506H)

KLB035B: Please read the statements below and decide the extent to which each statement describes you. Mark the box that best describes your agreement or disagreement with each statement. (Mark (X) one box for each line.) My daily activities often seem trivial and unimportant to me.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035L: I do not enjoy being in new situations that require me to change my old familiar ways of doing things.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035N: For me, life has been a continuous process of learning, changing, and growth.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035I: I think it is important to have new experiences that challenge how I think about myself and the world.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035M: I gave up trying to make big improvements or changes in my life a long time ago.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035H: I am not interested in activities that will expand my horizons.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035J: When I think about it, I haven't really improved much as a person over the years.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035K: I have the sense that I have developed a lot as a person over time.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

JLB506H: Some people wander aimlessly through life, but I am not one of them.

Answers: 1. STRONGLY AGREE; 2. MODERATELY AGREE; 3. SLIGHTLY AGREE; 4. SLIGHTLY DISAGREE; 5. MODERATELY DISAGREE; 6. STRONGLY DISAGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035F: I live life one day at a time and don't really think about the future.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035E: I sometimes feel as if I've done all there is to do in life.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035G: I have a sense of direction and purpose in my life.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035D: I don't have a good sense of what it is I'm trying to accomplish in life.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035A: I enjoy making plans for the future and working to make them a reality.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035C: I am an active person in carrying out the plans I set for myself.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035U: I like most parts of my personality.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035T: When I look at the story of my life, I am pleased with how things have turned out.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035S: In many ways I feel disappointed about the achievements in my life.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035P: In general, I feel confident and positive about myself.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035O: I feel like many of the people I know have gotten more out of life than I have.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035R: My attitude about myself is probably not as positive as most people feel about themselves.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

KLB035Q: When I compare myself to friends and acquaintances, it makes me feel good about who I am.

Answers: 1. STRONGLY DISAGREE; 2. SOMEWHAT DISAGREE; 3. SLIGHTLY DISAGREE; 4. SLIGHTLY AGREE; 5. SOMEWHAT AGREE; 6. STRONGLY AGREE; Blank. INAP (Inapplicable), Partial Interview

4.1.4 Experienced measures

4.1.4.1 Characteristics of the Day and Self-Reported Health Yesterday (2012 variables reported; questions available 2012 - 2018)

NLB045: What day of the week was it yesterday? (Mark (X) one box.)

Answers: 1. Monday; 2. Tuesday; 3. Wednesday; 4. Thursday; 5. Friday; 6. Saturday; 7. Sunday; Blank. INAP (Inapplicable), Partial Interview

NLB046_MO: What was the date yesterday? (Please write a number in the boxes.) Month

Answers: 0. Out of range; 1-12. Month; 16-84. Out of range; 96. Data is indeterminable; Blank. INAP (Inapplicable), Partial Interview

NLB046_DA: What was the date yesterday? (Please write a number in the boxes.) Day

Answers: 0. Out of range; 1-31. Day; 63. Out of range; 96. Data is indeterminable; Blank. INAP (Inapplicable), Partial Interview

NLB047_AP: What time did you wake up yesterday? [For example, if you woke up at 4:00AM, please write 04 in the hour boxes, 00 in the minute boxes, and AM in the last boxes.] AM, PM

Answers: 1. AM; 2. PM; Blank. INAP (Inapplicable), Partial Interview

NLB047_HR: What time did you wake up yesterday? [For example, if you woke up at 4:00AM, please write 04 in the hour boxes, 00 in the minute boxes, and AM in the last boxes.] Hour

Answers: 0. Out of range; 1-12. Hour; 20-90. Out of range; Blank. INAP (Inapplicable), Partial Interview

NLB047_MI: What time did you wake up yesterday? [For example, if you woke up at 4:00AM, please write 04 in the hour boxes, 00 in the minute boxes, and AM in the last boxes.] Minute

Answers: 0-60. Minute; Blank. INAP (Inapplicable), Partial Interview

NLB048_AP: What time did you go to sleep at the end of the day yesterday? [For example, if you went to sleep at 11:30PM, please write 11 in the hour boxes, 30 in the minute boxes, and PM in the last boxes. Remember that midnight and later times are AM.] AM, PM

Answers: 1. AM; 2. PM; Blank. INAP (Inapplicable), Partial Interview

NLB048_HR: What time did you go to sleep at the end of the day yesterday? [For example, if you went to sleep at 11:30PM, please write 11 in the hour boxes, 30 in the minute boxes, and PM in the last boxes. Remember that midnight and later times are AM.] Hour

Answers: 0. Out of range; 1-12. Hour; 14-90. Out of range; 96. Data is indeterminable; Blank. INAP (Inapplicable), Partial Interview

NLB048_MI: What time did you go to sleep at the end of the day yesterday? [For example, if you went to sleep at 11:30PM, please write 11 in the hour boxes, 30 in the minute boxes, and PM in the last boxes. Remember that midnight and later times are AM.] Minute

Answers: 0-60. Minute; Blank. INAP (Inapplicable), Partial Interview

NLB051: Did you feel well-rested yesterday morning (that is you slept well the night before)? (Mark (X) one box.)

Answers: 1. Yes; 5. No; Blank. INAP (Inapplicable), Partial Interview

NLB052: How was your health yesterday? (Mark (X) one box.) Was it.....

Answers: 1. Excellent; 2. Very Good; 3. Good; 4. Fair; 5. Poor; Blank. INAP (Inapplicable), Partial Interview

NLB053: Was yesterday a normal day for you or did something unusual happen? (Mark (X) one.)

Answers: 1. Yes, just a normal day; 2. No, my day included unusual bad (stressful) things; 3. No, my day included unusual good things; Blank. INAP (Inapplicable), Partial Interview

4.1.4.2 Overall Experienced Well-Being Yesterday; HWB-12 (2012 variables reported; questions available 2012 - 2018)

NLB049A: The next questions are about your experiences yesterday. Mark (X) in one box for each line for the extent you felt the following. Yesterday, did you feel..... Frustrated

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very; Blank. INAP (Inapplicable), Partial Interview

NLB049B: Yesterday, did you feel..... Sad

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very; Blank. INAP (Inapplicable), Partial Interview

NLB049C: Yesterday, did you feel..... Enthusiastic

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very; Blank. INAP (Inapplicable), Partial Interview

NLB049D: Yesterday, did you feel..... Lonely

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very; Blank. INAP (Inapplicable), Partial Interview

NLB049E: Yesterday, did you feel..... Content

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very; Blank. INAP (Inapplicable), Partial Interview

NLB049F: Yesterday, did you feel..... Worried

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very; Blank. INAP (Inapplicable), Partial Interview

NLB049G: Yesterday, did you feel..... Bored

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very; Blank. INAP (Inapplicable), Partial Interview

NLB049H: Yesterday, did you feel..... Happy

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very; Blank. INAP (Inapplicable), Partial Interview

NLB049I: Yesterday, did you feel..... Angry

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very; Blank. INAP (Inapplicable), Partial Interview

NLB049J: Yesterday, did you feel..... Tired

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very; Blank. INAP (Inapplicable), Partial Interview

NLB049K: Yesterday, did you feel..... Stressed

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very; Blank. INAP (Inapplicable), Partial Interview

NLB050: Yesterday, did you feel any pain? (Mark (X) one.)

Answers: 1. None; 2. A little; 3. Some; 4. Quite a bit; 5. A lot; Blank. INAP (Inapplicable), Partial Interview

4.1.4.3 Activity-related Affective Experience Yesterday (2012 variables reported; questions available 2012 - 2018)

**** Happy responses ****

NLB056A: How did you feel when you were watching TV yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Happy

Answers: 0-6

NLB059A: How did you feel when you were working or volunteering yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Happy

Answers: 0-6

NLB063A: How did you feel when you were walking or exercising yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Happy

Answers: 0-6

NLB066A: How did you feel when you were doing health-related activities yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Happy

Answers: 0-6

NLB069A: How did you feel when you were travelling or commuting yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Happy

Answers: 0-6

NLB072A: How did you feel when you were socializing with friends, neighbors, or family yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Happy

Answers: 0-6

NLB075A: How did you feel when you were at home by yourself yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Happy

Answers: 0-6

NLB078A: How did you feel when you were running errands yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Happy

Answers: 0-6

**** Interested responses ****

NLB056B: How did you feel when you were watching TV yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Interested

Answers: 0-6

NLB059B: How did you feel when you were working or volunteering yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Interested

Answers: 0-6

NLB063B: How did you feel when you were walking or exercising yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Interested

Answers: 0-6

NLB066B: How did you feel when you were doing health-related activities yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Interested

Answers: 0-6

NLB069B: How did you feel when you were travelling or commuting yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Interested

Answers: 0-6

NLB072B: How did you feel when you were socializing with friends, neighbors, or family yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Interested

Answers: 0-6

NLB075B: How did you feel when you were at home by yourself yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Interested

Answers: 0-6

NLB078B: How did you feel when you were running errands yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Interested

Answers: 0-6

**** Frustrated responses ****

NLB056C: How did you feel when you were watching TV yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Frustrated

Answers: 0-6

NLB059C: How did you feel when you were working or volunteering yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Frustrated

Answers: 0-6

NLB063C: How did you feel when you were walking or exercising yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Frustrated

Answers: 0-6

NLB066C: How did you feel when you were doing health-related activities yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Frustrated

Answers: 0-6

NLB069C: How did you feel when you were travelling or commuting yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Frustrated

Answers: 0-6

NLB072C: How did you feel when you were socializing with friends, neighbors, or family yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Frustrated

Answers: 0-6

NLB075C: How did you feel when you were at home by yourself yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Frustrated

Answers: 0-6

NLB078C: How did you feel when you were running errands yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Frustrated

Answers: 0-6

**** Sad responses ****

NLB056D: How did you feel when you were watching TV yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Sad

Answers: 0-6

NLB059D: How did you feel when you were working or volunteering yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Sad

Answers: 0-6

NLB063D: How did you feel when you were walking or exercising yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Sad

Answers: 0-6

NLB066D: How did you feel when you were doing health-related activities yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Sad

Answers: 0-6

NLB069D: How did you feel when you were travelling or commuting yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Sad

Answers: 0-6

NLB072D: How did you feel when you were socializing with friends, neighbors, or family yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong.(Mark (X) one box for each line.) I felt..... Sad

Answers: 0-6

NLB075D: How did you feel when you were at home by yourself yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Sad

Answers: 0-6

NLB078D: How did you feel when you were running errands yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Sad

Answers: 0-6

**** Content responses ****

NLB056E: How did you feel when you were watching TV yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Content

Answers: 0-6

NLB059E: How did you feel when you were working or volunteering yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Content

Answers: 0-6

NLB063E: How did you feel when you were walking or exercising yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Content

Answers: 0-6

NLB066E: How did you feel when you were doing health-related activities yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Content

Answers: 0-6

NLB069E: How did you feel when you were travelling or commuting yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Content

Answers: 0-6

NLB072E: How did you feel when you were socializing with friends, neighbors, or family yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Content

Answers: 0-6

NLB075E: How did you feel when you were at home by yourself yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Content

Answers: 0-6

NLB078E: How did you feel when you were running errands yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Content

Answers: 0-6

**** Bored responses ****

NLB056F: How did you feel when you were watching TV yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Bored

Answers: 0-6

NLB059F: How did you feel when you were working or volunteering yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Bored

Answers: 0-6

NLB063F: How did you feel when you were walking or exercising yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Bored

Answers: 0-6

NLB066F: How did you feel when you were doing health-related activities yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Bored

Answers: 0-6

NLB069F: How did you feel when you were travelling or commuting yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Bored

Answers: 0-6

NLB072F: How did you feel when you were socializing with friends, neighbors, or family yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Bored

Answers: 0-6

NLB075F: How did you feel when you were at home by yourself yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Bored

Answers: 0-6

NLB078F: How did you feel when you were running errands yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Bored

Answers: 0-6

**** Pain responses ****

NLB056G: How did you feel when you were watching TV yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 – the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Pain

Answers: 0-6

NLB059G: How did you feel when you were working or volunteering yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Pain

Answers: 0-6

NLB063G: How did you feel when you were walking or exercising yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Pain

Answers: 0-6

NLB066G: How did you feel when you were doing health-related activities yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Pain

Answers: 0-6

NLB069G: How did you feel when you were travelling or commuting yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Pain

Answers: 0-6

NLB072G: How did you feel when you were socializing with friends, neighbors, or family yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Pain

Answers: 0-6

NLB075G: How did you feel when you were at home by yourself yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Pain

Answers: 0-6

NLB078G: How did you feel when you were running errands yesterday? Rate each experience on a scale from 0 - did not experience at all - to 6 - the feeling was extremely strong. (Mark (X) one box for each line.) I felt..... Pain

Answers: 0-6

4.2 MHAS

4.2.1 Evaluative Measures

4.2.1.1 Diener's 5-item Satisfaction with Life Scale (2012 variables reported; available 2012, 2015, and 2018)

D33A_12: In most things, my life is close to my ideal.

Answers: 1. Agree; 2. Neutral; 3. Disagree; 8. RF; 9. DK

D33B_12: The conditions of my life are excellent.

Answers: 1. Agree; 2. Neutral; 3. Disagree; 8. RF; 9. DK

D33C_12: I am satisfied with life.

Answers: 1. Agree; 2. Neutral; 3. Disagree; 8. RF; 9. DK

D33D_12: So far, I have gotten the things that are important to me in life.

Answers: 1. Agree; 2. Neutral; 3. Disagree; 8. RF; 9. DK

D33E_12: If I were to be born again, I would change almost nothing about my life.

Answers: 1. Agree; 2. Neutral; 3. Disagree; 8. RF; 9. DK

*Note: MHAS uses a 3-point scale for the above questions instead of the traditional 7-point scale.

4.2.1.2 Domain-Specific Satisfaction Items

Not applicable.

4.2.1.3 Single Item Life Satisfaction (2012 question reported; available 2012, 2015, and 2018)

D33C_12: I am satisfied with life.

Answers: 1. Agree; 2. Neutral; 3. Disagree; 8. RF; 9. DK

*Note: In 2015 the statement reads "I am happy with my life".

4.2.1.4 Job Satisfaction

Not applicable.

4.2.1.5 Subjective Social Status; Cantril Ladder (2003)

D1C: If you consider your present situation and compare it with that of all other people in Mexico, where would you place yourself?

Answers: numerical answers; 88. RF; 99. DK

4.2.2 Hedonic Measures

4.2.2.1 PANAS-X

Not applicable.

4.2.2.2 MIDUS Affect Items

Not applicable.

4.2.3 Eudaimonic measures

4.2.3.1 CASP-19/CASP-12

Not applicable.

4.2.3.2 Ryff's Psychological Well-being Scale

Not applicable.

4.2.4 Experienced measures

4.2.4.1 Characteristics of the Day and Self-Reported Health Yesterday

Not applicable.

4.2.4.2 Overall Experienced Well-Being Yesterday; HWB-12

Not applicable.

4.2.4.3 Activity-related Affective Experience Yesterday

Not applicable.

4.3 ELSA

4.3.1 Evaluative Measures

4.3.1.1 Diener's 5-item Satisfaction with Life Scale (2008 variables reported; questions available 2004-2016)

SCLIFEA: Please say how much you agree or disagree with the following statements. In most ways my life is close to my ideal.

Answers: -9. not answered; 1. strongly agree; 2. agree; 3. slightly agree; 4. neither agree nor disagree; 5. slightly disagree; 6. disagree; 7. strongly disagree

SCLIFEB: Please say how much you agree or disagree with the following statements. The conditions of my life are excellent.

Answers: -9. not answered; 1. strongly agree; 2. agree; 3. slightly agree; 4. neither agree nor disagree; 5. slightly disagree; 6. disagree; 7. strongly disagree

SCLIFEC: Please say how much you agree or disagree with the following statements. I am satisfied with my life.

Answers: -9. not answered; 1. strongly agree; 2. agree; 3. slightly agree; 4. neither agree nor disagree; 5. slightly disagree; 6. disagree; 7. strongly disagree

SCLIFED: Please say how much you agree or disagree with the following statements. So far I have got the important things I want in life.

Answers: -9. not answered; 1. strongly agree; 2. agree; 3. slightly agree; 4. neither agree nor disagree; 5. slightly disagree; 6. disagree; 7. strongly disagree

SCLIFEE: Please say how much you agree or disagree with the following statements. If I could live my life again, I would change almost nothing.

Answers: -9. not answered; 1. strongly agree; 2. agree; 3. slightly agree; 4. neither agree nor disagree; 5. slightly disagree; 6. disagree; 7. strongly disagree

4.3.1.2 Domain-Specific Satisfaction Items (living accommodations available in 2010; satisfaction with life available 2004-2016)

SPSARE: I would like to ask you a couple of questions about where you live. How satisfied are you with this area as a place to live?

Answers: -9. Refusal; -8. Don't know; -2. Schedule not applicable; -1. Item not applicable; 1. Very satisfied; 2. Fairly satisfied; 3. Neither satisfied nor dissatisfied; 4. Slightly dissatisfied; 5. Very dissatisfied

SPSACC: How satisfied are you with this accommodation?

Answers: -9. Refusal; -8. Don't know; -2. Schedule not applicable; -1. Item not applicable; 1. Very satisfied; 2. Fairly satisfied; 3. Neither satisfied nor dissatisfied; 4. Slightly dissatisfied; 5. Very dissatisfied

SCLIFEC: Please say how much you agree or disagree with the following statements. I am satisfied with my life.

Answers: -9. Not answered; -8. Don't know; -1. Item not applicable; 1. Strongly agree; 2. Agree; 3. Slightly agree; 4. Neither agree nor disagree; 5. Slightly disagree; 6. Disagree; 7. Strongly disagree

*Note 1: SPSARE and SPSACC are only available in 2010.

*Note 2: An alternative to SCLIFEC is the question SCOVSA, which is available in 2012-2016 and reads "Overall, how satisfied are you with your life nowadays?" Answers are given on an 11-point scale.

4.3.1.3 Single Item Life Satisfaction (similar questions available 2004-2016)

SCLIFEC: Please say how much you agree or disagree with the following statements. I am satisfied with my life.

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Strongly agree; 2. Agree; 3. Slightly agree; 4. Neither agree nor disagree; 5. Slightly disagree; 6. Disagree; 7. Strongly disagree

*Note: An alternative question that could be used is SCOVSA, which is available in 2012-2016 and reads "Overall, how satisfied are you with your life nowadays?" Answers are given on an 11-point scale.

4.3.1.4 Job Satisfaction (questions available 2004-2016)

SCWORKA: Here are some statements people might use to describe their work. We would like to know how strongly you think these apply to the paid employment you did in the last month. All things considered I am satisfied with my job.

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Strongly agree; 2. Agree; 3. Disagree; 4. Strongly disagree

4.3.1.5 Subjective Social Status; Cantril Ladder (available 2002-2016)

SCLDDR: Think of this ladder as representing where people stand in our society. At the top of the ladder are the people who are the best off - those who have the most money, most education and best jobs. At the bottom are the people who are the worst off - who have the least money, least education, and the worst jobs or no jobs. The higher up you are on this ladder, the closer you are to the people at the very top and the lower you are, the closer you are to the people at the very bottom. Please mark a cross on the rung on the ladder where you would place yourself. (10 rung ladder)

Answers: Valid answers include 5-100 in 5-point increments, with 5 indicating the worst off and 100 indicating the best off. The code -9 indicates that the question was not answered, -8 indicates a "Don't know" response, and -1 indicates that the question was not applicable.

SCLADDC: Has your position on the ladder changed within the last two years?

Answers: -9. Not answered; -8. Don't know; -1. Item not applicable; 1. Yes I have moved up; 2. Yes I have moved down; 3. No my position has not changed

*Note 1: Some survey years also employed the codes -2 and -3 for SCLDDR to indicate reasons for invalid responses; -9 is sometimes used to indicate refusals instead of unanswered questions.

*Note 2: SCLADDC is only available in 2004 and 2006.

4.3.2 Hedonic Measures

4.3.2.1 PANAS-X (2010 questions reported; available 2010 - 2014)

SCFEDE: During the past 30 days, to what degree did you feel Determined?

Answers: 1. Very much; 2. Quite a bit; 3. Moderately; 4. A little; 5. Not at all; -1. Item not applicable; -2. Schedule not applicable; -9. Not answered

SCFEEN: During the past 30 days, to what degree did you feel Enthusiastic?

Answers: 1. Very much; 2. Quite a bit; 3. Moderately; 4. A little; 5. Not at all; -1. Item not applicable; -2. Schedule not applicable; -9. Not answered

SCFEAC: During the past 30 days, to what degree did you feel Active?

Answers: 1. Very much; 2. Quite a bit; 3. Moderately; 4. A little; 5. Not at all; -1. Item not applicable; -2. Schedule not applicable; -9. Not answered

SCFEPR: During the past 30 days, to what degree did you feel Proud?

Answers: 1. Very much; 2. Quite a bit; 3. Moderately; 4. A little; 5. Not at all; -1. Item not applicable; -2. Schedule not applicable; -9. Not answered

SCFEINT: During the past 30 days, to what degree did you feel Interested?

Answers: 1. Very much; 2. Quite a bit; 3. Moderately; 4. A little; 5. Not at all; -1. Item not applicable; -2. Schedule not applicable; -9. Not answered

SCFEHA: During the past 30 days, to what degree did you feel Happy?

Answers: 1. Very much; 2. Quite a bit; 3. Moderately; 4. A little; 5. Not at all; -1. Item not applicable; -2. Schedule not applicable; -9. Not answered

SCFEAT: During the past 30 days, to what degree did you feel Attentive?

Answers: 1. Very much; 2. Quite a bit; 3. Moderately; 4. A little; 5. Not at all; -1. Item not applicable; -2. Schedule not applicable; -9. Not answered

SCFEEO: During the past 30 days, to what degree did you feel Content?

Answers: 1. Very much; 2. Quite a bit; 3. Moderately; 4. A little; 5. Not at all; -1. Item not applicable; -2. Schedule not applicable; -9. Not answered

SCFEINS: During the past 30 days, to what degree did you feel Inspired?

Answers: 1. Very much; 2. Quite a bit; 3. Moderately; 4. A little; 5. Not at all; -1. Item not applicable; -2. Schedule not applicable; -9. Not answered

SCFEHO: During the past 30 days, to what degree did you feel Hopeful?

Answers: 1. Very much; 2. Quite a bit; 3. Moderately; 4. A little; 5. Not at all; -1. Item not applicable; -2. Schedule not applicable; -9. Not answered

SCFEAL: During the past 30 days, to what degree did you feel Alert?

Answers: 1. Very much; 2. Quite a bit; 3. Moderately; 4. A little; 5. Not at all; -1. Item not applicable; -2. Schedule not applicable; -9. Not answered

SCFECA: During the past 30 days, to what degree did you feel Calm?

Answers: 1. Very much; 2. Quite a bit; 3. Moderately; 4. A little; 5. Not at all; -1. Item not applicable; -2. Schedule not applicable; -9. Not answered

SCFEEX: During the past 30 days, to what degree did you feel Excited?

Answers: 1. Very much; 2. Quite a bit; 3. Moderately; 4. A little; 5. Not at all; -1. Item not applicable; -2. Schedule not applicable; -9. Not answered

4.3.2.2 MIDUS Affect Items

Not applicable.

4.3.3 Eudaimonic measures

4.3.3.1 CASP-19/CASP-12 (2002-2016)

SCQOLA: My age prevents me from doing the things I would like to

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLB: I feel that what happens to me is out of my control

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLC: I feel free to plan for the future

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLD: I feel left out of things

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLE: I can do the things that I want to do

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLF: Family responsibilities prevent me from doing what I want to do

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLG: I feel that I can please myself what I do

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLH: My health stops me from doing things I want to do

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLI: Shortage of money stops me from doing things I want to do

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLJ: I look forward to each day

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLK: I feel that my life has meaning

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLL: I enjoy the things that I do

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLM: I enjoy being in the company of others

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLN: On balance, I look back on my life with a sense of happiness

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLO: I feel full of energy these days

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLP: I choose to do things that I have never done before

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLQ: I feel satisfied with the way my life has turned out

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLR: I feel that life is full of opportunities

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

SCQOLS: I feel that the future looks good for me

Answers: -9. Not answered; -8. Don't know; -1. Not applicable; 1. Often; 2. Sometimes; 3. Not often; 4. Never

4.3.3.2 Ryff's Psychological Well-being Scale (2004)

RFINFLU: I tend to be influenced by people with strong opinions

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFCONFI: I have confidence in my own opinions, even if they are different from the way most other people think

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFJUDGE: I judge myself by what I think is important, not by the values of what others think is important

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFVOICE: I am not afraid to voice my opinions, even when they are in opposition to the opinions of most people

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFDECIS: My decisions are not usually influenced by what everyone else is doing

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFDIFF: It's difficult for me to voice my own opinions on controversial matters

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFDISAG: I often change my mind about decisions if my friends or family disagree

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFDEMAN: The demands of everyday life often get me down

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFCHARG: In general, I feel I am in charge of the situation in which I live

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFMANAG: I am good at managing the responsibilities of daily life

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFFITIN: I do not fit very well with the people and the community around me

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFOVERW: I often feel overwhelmed by my responsibilities

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFARRAN: I have difficulty arranging my life in a way that is satisfying to me

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFBUILD: I have been able to build a home and a lifestyle for myself that is much to my liking

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFLEARN: For me, life has been a continuous process of learning, changing and growth

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFEXPER: I think it is important to have new experiences that challenge how I think about myself and the world

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFIMPRO: I gave up trying to make big improvements or changes in my life a long time ago

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFHORIZ: I am not interested in activities that will expand my horizons

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFNIMPR: When I think about it, I haven't really improved much as a person over the years

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFDEVEL: I have the sense that I have developed a lot as a person over time

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFTRICK: There is truth to the saying you can't teach an old dog new tricks

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFCLOSE: Maintaining close relationships has been difficult and frustrating for me

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFSHARE: People would describe me as a giving person, willing to share my time with others

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFWARM: I have not experienced many warm and trusting relationships with others

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFLOVIN: Most people see me as loving and affectionate

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFLONEL: I often feel lonely because I have few close friends with whom to share my concerns

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFFRIEN: It seems to me that most other people have more friends than I do

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFTRUST: I know that I can trust my friends, and they know they can trust me

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFWAND: Some people wander aimlessly through life, but I am not one of them

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFONEDA: I live life one day at a time and don't really think about the future

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFDONE: I sometimes feel as if I've done all there is to in life

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFSENSE: I have a sense of direction and purpose in life

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFACCOM: I don't have a good sense of what it is I'm trying to accomplish in life

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFGOALS: I used to set goals for myself, but that now seems like a waste of time

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFPLANS: I enjoy making plans for the future and working to make them a reality

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFACTIV: I am an active person in carrying out the plans I set for myself

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFPERS: I like most parts of my personality

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFSTORY: When I look at the story of my life, I am pleased with how things have turned out so far

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFDISAP: In many ways I feel disappointed about my achievements in life

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFPOSIT: In general, I feel confident and positive about myself

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFMORE: I feel like many of the people I know have got more out of life than I have

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFATTIT: My attitude about myself is probably not as positive as most people feel about themselves

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

RFCOMPA: When I compare myself to friends and acquaintances, it makes me feel good about who I am

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Agree a little; 4. Neither agree nor disagree; 5. Disagree a little; 6. Somewhat disagree; 7. Strongly disagree; -1. Question not answered

4.3.4 Experienced measures

4.3.4.1 Characteristics of the Day and Self-Reported Health Yesterday (2012 variables reported; similar questions available 2012, 2014, 2018)

SCDWK: Now, please pause briefly to think about yesterday, from the morning until the end of the day. Think about where you were, what you were doing, who you were with, and how you felt. What day of the week was it yesterday?

Answers: 1. Monday; 2. Tuesday; 3. Wednesday; 4. Thursday; 5. Friday; 6. Saturday; 7. Sunday; -1. Item not applicable; -9. Not answered (9); -2. Schedule not applicable

SCWUTIME: What time did you wake up yesterday? For example, if you woke up at 4:00AM, please write 04 in the hour boxes, 00 in the minutes boxes and AM in the last boxes. Hours, Minutes, AM/PM: Derived into 24 hour clock

Answers: Derived into 24 hour clock

SCSYTIME: What time did you go to sleep at the end of the day yesterday? For example, if you went to sleep at 11:30PM, please write 11 in the hour boxes, 30 in the minutes boxes and PM in the last boxes Hours, Minutes, AM/PM: Derived into 24 hour clock

Answers: Derived into 24 hour clock

SCYWR: Did you feel well-rested yesterday morning (that is you slept well the night before)? Tick one box

Answers: 1. Yes; 2. No; -2. Schedule not applicable; -9. Not answered; -1. Item not applicable

SCYND: Was yesterday a normal day for you or did something unusual happen? Tick one box

Answers: 1. Yes - Just a normal day; 2. No, My day included bad (stressful) things; 3. No, my day included unusual good things; -1. Item not applicable; -9. Not answered; -2. Schedule not applicable

4.3.4.2 Overall Experienced Well-Being Yesterday; HWB-12 (2012 variables reported; SCOVHA available 2012 – 2018, SCYPA available 2012, 2014, 2018)

SCOVHA: Overall, how happy did you feel yesterday? (Eleven point end labelled scale)

Answers: 0 – 10 (with 0 = Not at all; 10 = Very); 11. Do not know; -2. Schedule not applicable; -9. Not answered (99); -8. Missing Value (98); -1. Item not applicable

SCYPA: Yesterday, did you feel any pain?

Answers: 1. None; 2. A little; 3. Some; 4. Quite a bit; 5. A lot; -1. Item not applicable; -9. Not answered; -2. Schedule not applicable

4.3.4.3 Activity-related Affective Experience Yesterday (2012 variables reported; questions available 2012 and 2014)

**** Happy responses ****

SCTVH: How did you feel when you were watching TV yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt happy

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong); -1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCWVFA: How did you feel when you were working or volunteering yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt happy

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong); -1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCAWEA: How did you feel when you were walking or exercising yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt happy

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong); -1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCAOTA: How did you feel when you were doing health related activities yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt happy

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCCOH: How did you feel when you were travelling or commuting yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. Happy

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCFRH: How did you feel when you were with friends or family yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt happy

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCSEH: How did you feel when you were at home by yourself yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. Happy

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

**** Interested responses ****

SCTVI: How did you feel when you were watching TV yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt interested

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCWVFB: How did you feel when you were working or volunteering yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt Interested

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCAWEB: How did you feel when you were walking or exercising yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt interested

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCAOTB: How did you feel when you were doing health related activities yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt interested

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCCOI: How did you feel when you were travelling or commuting yesterday? Interested

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCFRIN: How did you feel when you were with friends or family yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt interested

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCSEI: How did you feel when you were at home by yourself yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. Interested

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

**** Frustrated responses ****

SCTVF: How did you feel when you were watching TV yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt frustrated

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCWVFC: How did you feel when you were working or volunteering yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt Frustrated

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCAWEC: How did you feel when you were walking or exercising yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt frustrated

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCAOTC: How did you feel when you were doing health related activities yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt frustrated

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCCOF: How did you feel when you were travelling or commuting yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. Frustrated

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCFRF: How did you feel when you were with friends or family yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt frustrated

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCSEF: How did you feel when you were at home by yourself yesterday? Frustrated

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

**** Sad responses ****

SCTVS: How did you feel when you were watching TV yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt sad

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCWVFD: How did you feel when you were working or volunteering yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt sad

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCAWED: How did you feel when you were walking or exercising yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt sad

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCAOTD: How did you feel when you were doing health related activities yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt sad

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCCOS: How did you feel when you were travelling or commuting yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. Sad

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCFRS: How did you feel when you were with friends or family yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. I felt sad

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

SCSES: How did you feel when you were at home by yourself yesterday? Rate each feeling on a scale from 0 – did not experience at all – to 6 – the feeling was extremely strong. Sad

Answers: 1 – 6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong);
-1. Item not applicable; -9. Not answered; -2. Schedule not applicable

4.4 SHARE

4.9.1 Evaluative Measures

4.9.1.1 Diener's 5-item Satisfaction with Life Scale

Not applicable.

4.9.1.2 Domain-Specific Satisfaction Items

Not applicable.

4.9.1.3 Single Item Life Satisfaction (2006 question reported; question available 2006, 2011, 2013, 2015, 2017)

AC012_ : On a scale from 0 to 10 where 0 means completely dissatisfied and 10 means completely satisfied, how satisfied are you with your life?

Answers: 0-10; -1. Don't know; -2. Refusal

4.9.1.4 Job Satisfaction (2006 questions listed; available 2004-2017)

EP026_ : All things considered I am satisfied with my job. Would you say you strongly agree, agree, disagree or strongly disagree?

Answers: 1. Strongly agree; 2. Agree; 3. Disagree; 4. Strongly disagree; -1. Don't know; -2. Refusal

4.9.1.5 Subjective Social Status; Cantril Ladder

Not applicable.

4.9.2 Hedonic Measures

4.9.2.1 PANAS-X

Not applicable.

4.9.2.2 MIDUS Affect Items

Not applicable.

4.9.3 Eudaimonic measures

4.9.3.1 CASP-19/CASP-12 (2006 questions listed; available 2004, 2006, 2011, 2013, 2015, and 2017)

AC014_ : How often do you think your age prevents you from doing the things you would like to do? Often, sometimes, rarely or never?

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never; -1. Don't know; -2. Refusal

AC015_ : How often do you feel that what happens to you is out of your control? (Often, sometimes, rarely or never?)

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never; -1. Don't know; -2. Refusal

AC016_ : How often do you feel left out of things? (Often, sometimes, rarely or never?)

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never; -1. Don't know; -2. Refusal

AC017_ : How often do you think that you can do the things that you want to do? (Often, sometimes, rarely or never?)

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never; -1. Don't know; -2. Refusal

AC018_ : How often do you think that family responsibilities prevent you from doing what you want to do?

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never; -1. Don't know; -2. Refusal

AC019_ : How often do you think that shortage of money stops you from doing the things you want to do?

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never; -1. Don't know; -2. Refusal

AC020_ : How often do you look forward to each day?

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never; -1. Don't know; -2. Refusal

AC021_ : How often do you feel that your life has meaning?

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never; -1. Don't know; -2. Refusal

AC022_ : How often, on balance, do you look back on your life with a sense of happiness?

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never; -1. Don't know; -2. Refusal

AC023_ : How often do you feel full of energy these days?

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never; -1. Don't know; -2. Refusal

AC024_ : How often do you feel that life is full of opportunities?

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never; -1. Don't know; -2. Refusal

AC025_ : How often do you feel that the future looks good for you?

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never; -1. Don't know; -2. Refusal

4.9.3.2 Ryff's Psychological Well-being Scale

Not applicable.

4.9.4 Experienced measures

4.9.4.1 Characteristics of the Day and Self-Reported Health Yesterday (2017 Switzerland questions reported)

CH_Q6: We would like to ask you a few questions about YESTERDAY. Please take a short moment to first recall your activities and experiences yesterday. Which day of the week was yesterday?

Answers: -3. implausible/suspected wrong; -2. refusal; 1. Monday; 2. Tuesday; 3. Wednesday; 4. Thursday; 5. Friday; 6. Saturday; 7. Sunday

CH_Q9: Was yesterday a normal day for you or did something unusual happen?

Answers: -3. implausible/suspected wrong; -2. refusal; 1. yes - just a normal day; 2. no - my day included unusual negative things; 3. no - my day included unusual positive things

4.9.4.2 Overall Experienced Well-Being Yesterday; HWB-12 (2017 Switzerland questions reported)

CH_Q7Q: How often, if at all, did you experience the following feelings YESTERDAY? Frustration

Answers: -3. implausible/suspected wrong; -2. refusal; 1. never; 2. rarely; 3. some of the time; 4. often; 5. almost all of the time

CH_Q7D: How often, if at all, did you experience the following feelings YESTERDAY? Sadness

Answers: -3. implausible/suspected wrong; -2. refusal; 1. never; 2. rarely; 3. some of the time; 4. often; 5. almost all of the time

CH_Q7V: How often, if at all, did you experience the following feelings YESTERDAY? Loneliness

Answers: -3. implausible/suspected wrong; -2. refusal; 1. never; 2. rarely; 3. some of the time; 4. often; 5. almost all of the time

CH_Q7P: How often, if at all, did you experience the following feelings YESTERDAY? Content

Answers: -3. implausible/suspected wrong; -2. refusal; 1. never; 2. rarely; 3. some of the time; 4. often; 5. almost all of the time

CH_Q7C: How often, if at all, did you experience the following feelings YESTERDAY? Worry

Answers: -3. implausible/suspected wrong; -2. refusal; 1. never; 2. rarely; 3. some of the time; 4. often; 5. almost all of the time

CH_Q7M: How often, if at all, did you experience the following feelings YESTERDAY? Boredom

Answers: -3. implausible/suspected wrong; -2. refusal; 1. never; 2. rarely; 3. some of the time; 4. often; 5. almost all of the time

CH_Q7E: How often, if at all, did you experience the following feelings YESTERDAY? Happiness

Answers: -3. implausible/suspected wrong; -2. refusal; 1. never; 2. rarely; 3. some of the time; 4. often; 5. almost all of the time

CH_Q7F: How often, if at all, did you experience the following feelings YESTERDAY? Anger

Answers: -3. implausible/suspected wrong; -2. refusal; 1. never; 2. rarely; 3. some of the time; 4. often; 5. almost all of the time

CH_Q7H: How often, if at all, did you experience the following feelings YESTERDAY? Tiredness

Answers: -3. implausible/suspected wrong; -2. refusal; 1. never; 2. rarely; 3. some of the time; 4. often; 5. almost all of the time

CH_Q7G: How often, if at all, did you experience the following feelings YESTERDAY? Stress/rush

Answers: -3. implausible/suspected wrong; -2. refusal; 1. never; 2. rarely; 3. some of the time; 4. often; 5. almost all of the time

CH_Q7N: How often, if at all, did you experience the following feelings YESTERDAY? Pain

Answers: -3. implausible/suspected wrong; -2. refusal; 1. never; 2. rarely; 3. some of the time; 4. often; 5. almost all of the time

4.9.4.3 Activity-related Affective Experience Yesterday

Not applicable.

4.5 KLoSA

4.5.1 Evaluative Measures

4.5.1.1 Diener's 5-item Satisfaction with Life Scale

Not applicable.

4.5.1.2 Domain-Specific Satisfaction Items (2008 questions reported; questions available 2006 – 2016)

"Please indicate how much you agree to this statement using the scale card, where '0' means absolutely no chance and '100' means absolutely certain."

W02G028: How much are you satisfied with the relationship with your spouse?

Answers: -9. Don't know; -8. Refuse to answer; 0. Dissatisfied; 10; 20; 30; 40; 50; 60; 70; 80; 90; 100. Satisfied

W02G029: How much are you satisfied with the relationship with your children?

Answers: 0. Dissatisfied; 10; 20; 30; 40; 50; 60; 70; 80; 90; 100. Satisfied

W02G030: Compared to your friends, how much are you satisfied with your life overall? (or how happy you feel)?

Answers: -9. Don't know; -8. Refuse to answer; 0. Dissatisfied; 10; 20; 30; 40; 50; 60; 70; 80; 90; 100. Satisfied

W02G027: How much are you satisfied with your economic status?

Answers: -9. Don't know; -8. Refuse to answer; 0. Dissatisfied; 10; 20; 30; 40; 50; 60; 70; 80; 90; 100. Satisfied

W02G026: How much are you satisfied with your health?

Answers: -9. Don't know; -8. Refuse to answer; 0. Dissatisfied; 10; 20; 30; 40; 50; 60; 70; 80; 90; 100. Satisfied

W02G030: How much are you satisfied with your life overall? (or how happy you feel)?

Answers: -9. Don't know; -8. Refuse to answer; 0. Dissatisfied; 10; 20; 30; 40; 50; 60; 70; 80; 90; 100. Satisfied

*Note, respondents are asked to compare their satisfaction with that of their contemporaries.

4.5.1.3 Single Item Life Satisfaction

Not applicable.

4.5.1.4 Job Satisfaction (2008 variables reported; available 2006-2016)

W02D171: In general, I am satisfied with my current job.

Answers: -9. Don't know; -8. Refuse to answer; 1. Strongly agree; 2. Agree; 3. Disagree; 4. Strongly disagree

4.5.1.5 Subjective Social Status; Cantril Ladder

Not applicable.

4.5.2 Hedonic Measures

4.5.2.1 PANAS-X

Not applicable.

4.5.2.2 MIDUS Affect Items

Not applicable.

4.5.3 Eudaimonic measures

4.5.3.1 CASP-19/CASP-12

Not applicable.

4.5.3.2 Ryff's Psychological Well-being Scale

Not applicable.

4.5.4 Experienced measures

4.5.4.1 Characteristics of the Day and Self-Reported Health Yesterday

Not applicable.

4.5.4.2 Overall Experienced Well-Being Yesterday; HWB-12

Not applicable.

4.5.4.3 Activity-related Affective Experience Yesterday

Not applicable.

4.6 JSTAR

4.6.1 Evaluative Measures

4.6.1.1 Diener's 5-item Satisfaction with Life Scale

Not applicable.

4.6.1.2 Domain-Specific Satisfaction Items (2007 questions reported; questions available 2007 – 2013 for satisfaction with current life and 2007 – 2011 for the remaining questions)

TOME88: How satisfied are you overall with your relationship with your spouse?

Answers: 1. Very satisfied; 2. Generally satisfied; 3. Somewhat unsatisfied; 4. Quite unsatisfied; 5. Don't know

TOME228: Overall, are you satisfied with your current friendships?

Answers: 1. Very satisfied; 2. Fairly satisfied; 3. Somewhat dissatisfied; 4. Very dissatisfied; 5. Not applicable (no friends)

4.6.1.3 Single Item Life Satisfaction (2007 question reported; questions available 2007 - 2013)

TOME65: Are you satisfied or unsatisfied with your current life?

Answers: 1. Satisfied; 2. Fairly satisfied; 3. Somewhat unsatisfied; 4. Unsatisfied

4.6.1.4 Job Satisfaction (2009 question reported for job promotion prospects and learning new skills; 2007 questions reported for the rest. Question availability is 2009 – 2013 for promotion prospects and learning new skills, and 2007 – 2013 for the remaining questions.)

C_014: "Overall, I am satisfied with my current job."

Answers: 1. Strongly agree; 2. Somewhat agree; 3. Don't really agree; 4. Strongly disagree; 5. Don't know; 6. Refused to answer

4.6.1.5 Subjective Social Status; Cantril Ladder (2009)

TOME145: Let this ladder be social hierarchy. A man who is the best off and has a high education stands at the top of this. However, a man who is the poorest and has a low education stands on the bottom. You know the more you climb up (down), the more you reach the high (low) position in society.

Answers: 1-10

4.6.2 Hedonic Measures

4.6.2.1 PANAS-X

Not applicable.

4.6.2.2 MIDUS Affect Items

Not applicable.

4.6.3 Eudaimonic measures

4.6.3.1 CASP-19/CASP-12 (questions listed for the 2009 second wave; questions are also available in 2011)

TOME146: We would like to know how often, if at all, you think this applies to you. My age prevents me from doing the things I would like to

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME147: We would like to know how often, if at all, you think this applies to you. I feel that what happens to me is out of my control

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME148: We would like to know how often, if at all, you think this applies to you. I feel free to plan for the future

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME149: We would like to know how often, if at all, you think this applies to you. I feel left out of things

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME150: We would like to know how often, if at all, you think this applies to you. I can do the things that I want to do

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME151: We would like to know how often, if at all, you think this applies to you. Family responsibilities prevent me from doing what I want to do

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME152: We would like to know how often, if at all, you think this applies to you. I feel that I can do what I please

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME153: We would like to know how often, if at all, you think this applies to you. My health stops me from doing things I want to do

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME154: We would like to know how often, if at all, you think this applies to you. Shortage of money stops me from doing things I want to do

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME155: We would like to know how often, if at all, you think this applies to you. I look forward to each day

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME156: We would like to know how often, if at all, you think this applies to you. I feel that my life has meaning

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME157: We would like to know how often, if at all, you think this applies to you. I enjoy the things that I do

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME158: We would like to know how often, if at all, you think this applies to you. I enjoy being in the company of others

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME159: We would like to know how often, if at all, you think this applies to you. On balance, I look back on my life with a sense of happiness

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME160: We would like to know how often, if at all, you think this applies to you. I feel full of energy these days

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME161: We would like to know how often, if at all, you think this applies to you. I choose to do things that I have never done before

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME162: We would like to know how often, if at all, you think this applies to you. I feel satisfied with the way my life has turned out

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME163: We would like to know how often, if at all, you think this applies to you. I feel that life is full of opportunities

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

TOME164: We would like to know how often, if at all, you think this applies to you. I feel that the future looks good for me

Answers: 1. Often; 2. Sometimes; 3. Seldom; 4. Never

4.6.3.2 Ryff's Psychological Well-being Scale

Not applicable.

4.6.4 Experienced measures

4.6.4.1 Characteristics of the Day and Self-Reported Health Yesterday

Not applicable.

4.6.4.2 Overall Experienced Well-Being Yesterday; HWB-12

Not applicable.

4.6.4.3 Activity-related Affective Experience Yesterday

Not applicable.

4.7 TILDA

4.7.1 Evaluative Measures

4.7.1.1 Diener's 5-item Satisfaction with Life Scale (2016 questions reported; question availability is 2010 - 2016 for MH023 and 2016 for the remaining items)

PH735: In most ways my life is close to ideal

Answers: 1. Strongly disagree; 2. Disagree; 3. Slightly disagree; 4. Neither disagree nor agree; 5. Slightly agree; 6. Agree; 7. Strongly agree; 98. DK; 99. RF

PH736: The conditions of my life are excellent

Answers: 1. Strongly disagree; 2. Disagree; 3. Slightly disagree; 4. Neither disagree nor agree; 5. Slightly agree; 6. Agree; 7. Strongly agree; 98. DK; 99. RF

PH737: I have gotten the important things I want from life

Answers: 1. Strongly disagree; 2. Disagree; 3. Slightly disagree; 4. Neither disagree nor agree; 5. Slightly agree; 6. Agree; 7. Strongly agree; 98. DK; 99. RF

PH738: If I could live my life again, I would change almost nothing

Answers: 1. Strongly disagree; 2. Disagree; 3. Slightly disagree; 4. Neither disagree nor agree; 5. Slightly agree; 6. Agree; 7. Strongly agree; 98. DK; 99. RF

MH023: I am satisfied with my life

Answers: 1. Strongly disagree; 2. Disagree; 3. Slightly disagree; 4. Neither disagree nor agree; 5. Slightly agree; 6. Agree; 7. Strongly agree; 98. DK; 99. RF

4.7.1.2 Domain-Specific Satisfaction Items (2010 question reported; available 2010, 2014, 2016)

MH023: In a scale from 1 to 7, where '1' means strongly agree and '7' means strongly disagree, please say how much you agree or disagree with the following statement: I am satisfied with my life

Answers: 1 ... 7

4.7.1.3 Single Item Life Satisfaction (2010 question reported; available 2010, 2014, 2016)

Not applicable.

4.7.1.4 Job Satisfaction (2012 questions reported; available 2012-2016)

WE151: All things considered I am satisfied with this job. Would you say you strongly agree, agree, disagree or strongly disagree?

Answers: 1. Strongly agree; 2. Agree; 3. Disagree; 4. Strongly disagree; 98. DK; 99. RF; -1. Not applicable or skipped due to routing patterns

*Note, WE217 is used for self-employed respondents.

4.7.1.5 Subjective Social Status; Cantril Ladder (2016)

SCQCANTRILLADDER: THINK OF THIS LADDER AS REPRESENTING WHERE PEOPLE STAND IN OUR SOCIETY. At the top of the ladder are the people who are the best off - those who have the most money, most education and best jobs. At the bottom are the people who are the worst off - those who have the least money, least education and the worst jobs or no jobs. The higher up you are on this ladder, the closer you are to the people at the very top and the lower you are, the closer you are to the people at the very bottom. Please mark a cross on the rung of the ladder where you would place yourself

Answers: 1-10; -99. No Response.

4.7.2 Hedonic Measures

4.7.2.1 PANAS-X

Not applicable.

4.7.2.2 MIDUS Affect Items

Not applicable.

4.7.3 Eudaimonic measures

4.7.3.1 CASP-19/CASP-12 (questions taken from 2010; availability varies between 2010-2016)

SCQCASP1: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? My age prevents me from doing the things I would like to.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP2: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? I feel that what happens to me is out of my control.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP3: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? I feel free to plan for the future.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP4: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? I feel left out of things.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP5: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? I can do the things that I want to do.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP6: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? Family responsibilities prevent me from doing what I want to do.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP7: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? I feel that I can please myself in what I can do.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP8: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? My health stops me from doing the things I want to do.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP9: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? Shortage of money stops me from doing the things that I want to do.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP10: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? I look forward to each day.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP11: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? I feel that my life has meaning.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP12: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? I enjoy the things that I do.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP13: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? I enjoy being in the company of others.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP14: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? On balance, I look back on my life with a sense of happiness.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP15: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? I feel full of energy these days.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP16: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? I choose to do things that I have never done before.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP17: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? I feel satisfied with the way my life has turned out.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP18: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? I feel that life is full of opportunities.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

SCQCASP19: Here is a list of statements that people have used to describe their lives or how they feel. How often do you feel like this? I feel that the future looks good for me.

Answers: 1. Often; 2. Sometimes; 3. Rarely; 4. Never

*Notes: The availability of the specific raw variables varies between waves. Most notably, SCQCASP1- SCQCASP19 are not currently included in the wave 2 dataset. However, derived CASP scales are included in the datasets for waves 1-4.

4.7.3.2 Ryff's Psychological Well-being Scale (2016)

SCQPURPOSE2: HERE IS A LIST OF STATEMENTS THAT PEOPLE HAVE USED TO DESCRIBE THEIR LIVES OR HOW THEY FEEL. HOW OFTEN DO YOU FEEL LIKE THIS? My daily activities often seem trivial and unimportant to me.

Answers: 1. Strongly disagree; 2. Disagree; 3. Disagree slightly; 4. Agree slightly; 5. Agree; 6. Strongly agree; -99. No Response; -845. Adjacent boxes 4&5 ticked; -856. Adjacent boxes 5&6 ticked

SCQPURPOSE1: I enjoy making plans for the future and working to make them a reality.

Answers: 1. Strongly disagree; 2. Disagree; 3. Disagree slightly; 4. Agree slightly; 5. Agree; 6. Strongly agree; -99. No Response; -823. Adjacent boxes 2&3 ticked; -845. Adjacent boxes 4&5 ticked

SCQPURPOSE3: I am an active person in carrying out the plans I set for myself.

Answers: 1. Strongly disagree; 2. Disagree; 3. Disagree slightly; 4. Agree slightly; 5. Agree; 6. Strongly agree; -99. No Response; -823. Adjacent boxes 2&3 ticked; -845. Adjacent boxes 4&5 ticked

SCQPURPOSE4: I don't have a good sense of what it is I'm trying to accomplish in life.

Answers: 1. Strongly disagree; 2. Disagree; 3. Disagree slightly; 4. Agree slightly; 5. Agree; 6. Strongly agree; -99. No Response; -845. Adjacent boxes 4&5 ticked

SCQPURPOSE5: I sometimes feel as if I've done all there is to do in life.

Answers: 1. Strongly disagree; 2. Disagree; 3. Disagree slightly; 4. Agree slightly; 5. Agree; 6. Strongly agree; -99. No Response

SCQPURPOSE6: I live life one day at a time and don't really think about the future.

Answers: 1. Strongly disagree; 2. Disagree; 3. Disagree slightly; 4. Agree slightly; 5. Agree; 6. Strongly agree; -99. No Response; -845. Adjacent boxes 4&5 ticked

SCQPURPOSE7: I have a sense of direction and purpose in my life.

Answers: 1. Strongly disagree; 2. Disagree; 3. Disagree slightly; 4. Agree slightly; 5. Agree; 6. Strongly agree; -99. No Response; -845. Adjacent boxes 4&5 ticked

4.7.4 Experienced measures

4.7.4.1 Characteristics of the Day and Self-Reported Health Yesterday

Not applicable.

4.7.4.2 Overall Experienced Well-Being Yesterday; HWB-12

Not applicable.

4.7.4.3 Activity-related Affective Experience Yesterday

Not applicable.

4.8 CHARLS

4.8.1 Evaluative Measures

4.8.1.1 Diener's 5-item Satisfaction with Life Scale

Not applicable.

4.8.1.2 Domain-Specific Satisfaction Items (2015 questions reported; satisfaction with life-as-a-whole is available 2011-2018; the remaining questions are available in 2015-2018)

DC043_W3: How satisfied are you with your marriage (relationship with spouse)?

Answers: 1. Completely satisfied; 2. Very satisfied; 3. Somewhat satisfied; 4. Not very satisfied; 5. Not at all satisfied; 6. No spouse now

DC044_W3: How satisfied are you with your relationship with children?

Answers: 1. Completely satisfied; 2. Very satisfied; 3. Somewhat satisfied; 4. Not very satisfied; 5. Not at all satisfied; 6. No child now

DC042_W3: How satisfied are you with your health?

Answers: 1. Completely satisfied; 2. Very satisfied; 3. Somewhat satisfied; 4. Not very satisfied; 5. Not at all satisfied

DC028: Please think about your life-as-a-whole. How satisfied are you with it? Are you completely satisfied, very satisfied, somewhat satisfied, not very satisfied, or not at all satisfied?

Answers: 1. Completely satisfied; 2. Very satisfied; 3. Somewhat satisfied; 4. Not very satisfied; 5. Not at all satisfied

4.8.1.3 Single Item Life Satisfaction (2015 question reported; questions available 2011, 2013, 2015, 2018)

Not applicable.

4.8.1.4 Job Satisfaction

Not applicable.

4.8.1.5 Subjective Social Status; Cantril Ladder

Not applicable.

4.8.2 Hedonic Measures

4.8.2.1 PANAS-X

Not applicable.

4.8.2.2 MIDUS Affect Items

Not applicable.

4.8.3 Eudaimonic measures

4.8.3.1 CASP-19/CASP-12

Not applicable.

4.8.3.2 Ryff's Psychological Well-being Scale

Not applicable.

4.8.4 Experienced measures

4.8.4.1 Characteristics of the Day and Self-Reported Health Yesterday (2013 variables reported)

WB01: What day-of-the-week was it yesterday?

Coded values: 1. Right; 2. Wrong

WB02S1: What was the date yesterday? Month

Coded value: 1. Month Is Correct

WB02S2: What was the date yesterday? Day

Coded value: 2. Day Is Correct

WB02S3: What was the date yesterday?

Coded value: 3. Both Error

WB03: What time did you wake up yesterday?

Answers: 1. Am Hours Minutes; 2. Pm Hours Minutes

WB03_1: What time did you wake up yesterday? Hour

Answers: 0-12

WB03_2: What time did you wake up yesterday? Minutes

Answers: Numeric

WB04: What time did you go to sleep at the end of the day yesterday?

Answers: 1. Am Hours Minutes; 2. Pm Hours Minutes

WB04_1: What time did you go to sleep at the end of the day yesterday? Hour

Answers: 0-12

WB04_2: What time did you go to sleep at the end of the day yesterday? Minutes

Answers: Numeric

Note: WB03_3 and WB03_4 also contain information on the time that respondents woke up yesterday. WB04_3 and WB04_4 also contain information on the time that respondents went to sleep yesterday.

4.8.4.2 Overall Experienced Well-Being Yesterday; HWB-12 (2013 questions reported)

WB05: Yesterday, did you feel Frustrated?

Answers: 1. Not at all; 2. A Little; 3. Somewhat; 4. Quite A Bit; 5. Very

WB06: Yesterday, did you feel Sad?

Answers: 1. Not at all; 2. A Little; 3. Somewhat; 4. Quite A Bit; 5. Very

WB07: Yesterday, did you feel Enthusiastic?

Answers: 1. Not at all; 2. A Little; 3. Somewhat; 4. Quite A Bit; 5. Very

WB08: Yesterday, did you feel Lonely?

Answers: 1. Not at all; 2. A Little; 3. Somewhat; 4. Quite A Bit; 5. Very

WB09: Yesterday, did you feel Content?

Answers: 1. Not at all; 2. A Little; 3. Somewhat; 4. Quite A Bit; 5. Very

WB10: Yesterday, did you feel Worried?

Answers: 1. Not at all; 2. A Little; 3. Somewhat; 4. Quite A Bit; 5. Very

WB11: Yesterday, did you feel Bored?

Answers: 1. Not at all; 2. A Little; 3. Somewhat; 4. Quite A Bit; 5. Very

WB12: Yesterday, did you feel Happy?

Answers: 1. Not at all; 2. A Little; 3. Somewhat; 4. Quite A Bit; 5. Very

WB13: Yesterday, did you feel Angry?

Answers: 1. Not at all; 2. A Little; 3. Somewhat; 4. Quite A Bit; 5. Very

WB14: Yesterday, did you feel Tired?

Answers: 1. Not at all; 2. A Little; 3. Somewhat; 4. Quite A Bit; 5. Very

WB15: Yesterday, did you feel Stressed?

Answers: 1. Not at all; 2. A Little; 3. Somewhat; 4. Quite A Bit; 5. Very

WB16: Yesterday, did you feel any pain?

Answers: 1. None; 2. A Little; 3. Some; 4. Quite A Bit; 5. A Lot

4.8.4.3 Activity-related Affective Experience Yesterday

Not applicable.

4.9 LASI

4.9.1 Evaluative Measures

4.9.1.1 Diener's 5-item Satisfaction with Life Scale (wave 1 variables reported)

FS609A: In most ways my life is close to ideal.

Answers: 1. Strongly disagree; 2. Somewhat disagree; 3. Slightly disagree; 4. Neither agree nor disagree; 5. Slightly Agree; 6. Somewhat Agree; 7. Strongly Agree

FS609B: The conditions of my life are excellent.

Answers: 1. Strongly disagree; 2. Somewhat disagree; 3. Slightly disagree; 4. Neither agree nor disagree; 5. Slightly Agree; 6. Somewhat Agree; 7. Strongly Agree

FS609C: I am satisfied with my life.

Answers: 1. Strongly disagree; 2. Somewhat disagree; 3. Slightly disagree; 4. Neither agree nor disagree; 5. Slightly Agree; 6. Somewhat Agree; 7. Strongly Agree

FS609D: So far, I have got the important things I want in life.

Answers: 1. Strongly disagree; 2. Somewhat disagree; 3. Slightly disagree; 4. Neither agree nor disagree; 5. Slightly Agree; 6. Somewhat Agree; 7. Strongly Agree

FS609E: If I could live my life again, I would change almost nothing.

Answers: 1. Strongly disagree; 2. Somewhat disagree; 3. Slightly disagree; 4. Neither agree nor disagree; 5. Slightly Agree; 6. Somewhat Agree; 7. Strongly Agree

4.9.1.2 Domain-Specific Satisfaction Items (wave 1 question reported)

FS329. Are you satisfied with your current living arrangements?

Answers: 1. Strongly satisfied, 2. Satisfied, 3. Neither satisfied nor dissatisfied, 4. Dissatisfied, 5. Strongly dissatisfied

DM002: Please think about your life as a whole. How satisfied are you with it? Are you completely satisfied, very satisfied, somewhat satisfied, not very satisfied, or not at all satisfied?

Answers: 1. Completely satisfied; 2. Very satisfied; 3. Somewhat satisfied; 4. Not very satisfied; 5. Not at all satisfied

4.9.1.3 Single Item Life Satisfaction

Not applicable.

4.9.1.4 Job Satisfaction

Not applicable.

4.9.1.5 Subjective Social Status; Cantril Ladder (wave 1 question reported)

FS612: Think of this ladder as representing where people stand in our society. At the top of the ladder are the people who are the best off - those who have the most money, most education, and best jobs. At the bottom are the people who are the worst off - who have the least money, least education, and the worst jobs or no jobs. The higher up you are on this ladder, the closer you are to the people at the very top and the lower you are, the closer you are to the people at the very bottom of your society. Please indicate the number given on the rung on the ladder where you would place yourself. [Interviewer needs to fill the number in the box given in the side of the ladder]

Answers: 1-10.

4.9.2 Hedonic Measures

4.9.2.1 PANAS-X

Not applicable.

4.9.2.2 MIDUS Affect Items

Not applicable.

4.9.3 Eudaimonic measures

4.9.3.1 CASP-19/CASP-12

Not applicable.

4.9.3.2 Ryff's Psychological Well-being Scale

Not applicable.

4.9.4 Experienced measures

4.9.4.1 Characteristics of the Day and Self-Reported Health Yesterday (wave 1 questions reported)

TU004: Which day of the week was yesterday?

Answers: 1. Mon; 2. Tue; 3. Wed; 4. Thr; 5. Fri; 6. Sat; 7. Sun

TU002: And what time did you go to sleep yesterday?

Answers: String values

TU008: Did you feel rested yesterday morning, meaning you slept well the night before?

Answers: 1. Yes; 2. No

TU003: Was yesterday a normal day for you or did something unusual happen?

Answers: 1. Yes, just a normal day; 2. No, my day included unusual bad (stressful) things; 3. No, my day included unusual good things

4.9.4.2 Overall Experienced Well-Being Yesterday; HWB-12 (wave 1 questions reported)

TU006_1_: Yesterday did you feel... Frustrated?

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very

TU006_2_: Yesterday did you feel... Sad?

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very

TU006_3_: Yesterday did you feel... Enthusiastic?

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very

TU006_4_: Yesterday did you feel... Lonely?

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very

TU006_5_: Yesterday did you feel... Content?

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very

TU006_6_: Yesterday did you feel... Worried?

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very

TU006_7_: Yesterday did you feel... Bored?

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very

TU006_8_: Yesterday did you feel... Happy?

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very

TU006_9_: Yesterday did you feel... Angry?

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very

TU006_10_: Yesterday did you feel... Tired?

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very

TU006_11_: Yesterday did you feel... Stressed?

Answers: 1. Not at all; 2. A little; 3. Somewhat; 4. Quite a bit; 5. Very

TU007: Yesterday, how much pain did you feel?

Answers: 1. None; 2. A little; 3. Some; 4. Quite a bit; 5. A lot

4.9.4.3 Activity-related Affective Experience Yesterday (wave 1 questions reported)

**** Happy responses ****

TU013_1_: How did you feel when you were watching TV yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Happy

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU018_1_: How did you feel when you were working (or volunteering) yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Happy

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU022_1_: How did you feel when you were walking or exercising yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Happy

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU026_1_: How did you feel when you were doing healthcare related activities yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Happy

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU030_1_: How did you feel when you were traveling yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Happy

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU034_1_: How did you feel when you were with friends or family yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Happy

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU038_1_: How did you feel when you were at home by yourself yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Happy

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

**** Interested responses ****

TU013_2_: How did you feel when you were watching TV yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Interested

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU018_2_: How did you feel when you were working (or volunteering) yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Interested

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU022_2_: How did you feel when you were walking or exercising yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Interested

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU026_2_: How did you feel when you were doing healthcare related activities yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Interested

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU030_2_ : How did you feel when you were traveling yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Interested

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU034_2_ : How did you feel when you were with friends or family yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Interested

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU038_2_ : How did you feel when you were at home by yourself yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Interested

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

**** Frustrated responses ****

TU013_3_ : How did you feel when you were watching TV yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Frustrated

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU018_3_ : How did you feel when you were working (or volunteering) yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Frustrated

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU022_3_ : How did you feel when you were walking or exercising yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Frustrated

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU026_3_ : How did you feel when you were doing healthcare related activities yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Frustrated

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU030_3_ : How did you feel when you were traveling yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Frustrated

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU034_3_ : How did you feel when you were with friends or family yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Frustrated

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU038_3_ : How did you feel when you were at home by yourself yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Frustrated

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

**** Sad responses ****

TU013_4_ : How did you feel when you were watching TV yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Sad

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU018_4_ : How did you feel when you were working (or volunteering) yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Sad

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU022_4_ : How did you feel when you were walking or exercising yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Sad

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU026_4_ : How did you feel when you were doing healthcare related activities yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Sad

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU030_4_ : How did you feel when you were traveling yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Sad

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU034_4_ : How did you feel when you were with friends or family yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Sad

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

TU038_4_: How did you feel when you were at home by yourself yesterday? Rate each experience on a scale from 1, did not experience the feeling at all, to 6, the feeling was extremely strong. I felt... Sad

Answers: 1-6 (with 1 = Did not experience the feeling at all; 6 = Feeling was extremely strong)

List of References

- Batz, C., Parrigon, S., & Tay, L. (2016). The impact of scale transformations on national subjective well-being scores. *Social Indicators Research*, *129*(1), 13-27.
- Bradburn N. M. (1969). *The structure of psychological well-being*. Chicago, IL: Aldine.
- Campbell, A. (1976). Subjective measures of well-being. *American Psychologist*, *31*, 117-124. doi10.1037/0003-066X.31.2.117.
- Campbell, A., Converse, P. E., & Rodgers, W. L. (1976) *The quality of American life*. New York: Russell Sage Foundation.
- Diener, E., & Tay, L. (2013). Review of the Day Reconstruction Method (DRM). *Social Indicators Research*, *116*(1), 255-267.
- Kahneman, D., Krueger, A., Schkade, D. A., Schwarz, N., & Stone, A. A. (2004). A survey method for characterizing daily life experience: The Day Reconstruction Method. *Science*, *306* (5702), 1776-1780.
- Kahneman, D., & Krueger, A. B. (2006). Developments in the measurement of subjective well-being. *The Journal of Economic Perspectives*, *20*(1), 3-24.
- Kapteyn, A., Lee, J., Tassot, C., Vonkova, H., & Zamarro, G. (2015). Dimensions of subjective well-being. *Social Indicators Research*, *123*(3), 625-660.
- National Research Council. (2013). *Subjective well-being: Measuring happiness, suffering, and other dimensions of experience*. Panel on measuring subjective well-being in a policy relevant framework. Washington, DC: The National Academies Press. <https://www.nap.edu/download/18548>
- OECD (2013), *OECD Guidelines on Measuring Subjective Well-being*, OECD Publishing. <http://dx.doi.org/10.1787/9789264191655-en>
- Smith J, Ryan LH, Fisher GG, Sonnega A, Weir DR. HRS Psychosocial and Lifestyle Questionnaire 2006-2016. Ann Arbor, Michigan: Survey Research Center, Institute for Social Research, University of Michigan; 2017. https://hrs.isr.umich.edu/sites/default/files/biblio/HRS%202006-2016%20SAQ%20Documentation_07.06.17_0.pdf
- Wolf, C., Joye, D., Smith, T., & Fu, Y.-C. (2017). Harmonising Survey Questions Between Cultures and Over Time. In C. Wolf, Y.-C. Fu, D. Joye, & T. Smith (Eds.), *The SAGE Handbook of Survey Methodology*. London: SAGE Publications.