

Supplementary information for: Flourishing in South Africa: Benchmarks and sociodemographic variation across 69 health, wellbeing, and related factors in the Global Flourishing Study

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Table S1. Preregistrations relevant to country-specific analysis for South Africa

Domain	Outcome	Code	Preregistration
Psychological wellbeing	1. Happiness	HAPPY	https://osf.io/46vr3
	2. Life satisfaction	LIFE_SAT	https://osf.io/b8z59
	3. Life evaluation today	WB_TODAY	https://osf.io/b8z59
	4. Future life evaluation	WB_FIVEYRS	https://osf.io/b8z59
	5. Optimism	EXPECT_GOOD	https://osf.io/wdsx2
	6. Freedom	FREEDOM	-
	7. Peace	PEACE	https://osf.io/yf6s3
	8. Balance in life	LIFE_BALANCE	https://osf.io/zt84x
	9. Mastery	CAPABLE	https://osf.io/wtxsk
	10. Meaning in life	WORTHWHILE	https://osf.io/u3pfz
	11. Sense of purpose	LIFE_PURPOSE	https://osf.io/u3pfz
	12. Self-rated mental health	MENTAL_HEALTH	https://osf.io/6wb2u
Social wellbeing	1. Subjective social connectedness (2 items)	CONTENT, SAT_RELATNSHP	https://osf.io/wvzns
	2. Social support	PEOPLE_HELP	https://osf.io/93rqp
	3. Intimate friend	CLOSE_TO	https://osf.io/93rqp
	4. Government approval	APPROVE_GOVT	https://osf.io/nrc52

	5. Political voice	SAY_IN_GOVT	https://osf.io/kwa9n
	6. Belonging	BELONGING	https://osf.io/x6qgf
	7. Place satisfaction	SAT_LIVE	https://osf.io/7v64f
	8. Trust	TRUST_PEOPLE	https://osf.io/546q9
	9. Community participation	GROUP_NOT_REL	https://osf.io/kx369
Psychological distress	1. Traumatic distress	THREAT_LIFE	https://osf.io/s7naf
	2. Depression symptoms (2 items)	DEPRESSED, INTEREST	https://osf.io/rjyqm
	3. Anxiety symptoms (2 items)	FEEL_ANXIOUS, CONTROL_WORRY	https://osf.io/rjyqm
	4. Suffering	SUFFERING	https://osf.io/8rxpg
Social distress	1. Loneliness	LONELY	https://osf.io/4rcnu
	2. Discrimination	DISCRIMINATED	https://osf.io/ua6gs
Character & prosocial behavior	1. Promoting good	PROMOTE_GOOD	https://osf.io/cyqxh
	2. Delayed gratification	GIVE_UP	https://osf.io/927bn
	3. Hope	HOPE_FUTURE	https://osf.io/wc98k
	4. Gratitude	GRATEFUL	https://osf.io/mnx4s
	5. Love	SHOW_LOVE	https://osf.io/r7dha
	6. Forgiveness	FORGIVE	https://osf.io/zugyn
	7. Charitable giving	DONATED	https://osf.io/e9urj
	8. Helping	HELP_STRANGER	https://osf.io/e9urj
	9. Volunteering	VOLUNTEERED	https://osf.io/6nds5
Physical health & health behavior	1. Self-rated physical health	PHYSICAL_HLTH	https://osf.io/2z356
	2. Health limitations	HEALTH_PROB	https://osf.io/uk9ay
	3. Pain	BODILY_PAIN	https://osf.io/ewyr5
	4. Smoking	CIGARETTES	https://osf.io/9d85z
	5. Drinking	DRINKS	https://osf.io/hkb92
	6. Exercise	DAYS_EXERCISE	https://osf.io/zvx2q
Socioeconomic factors	1. Financial security	EXPENSES	https://osf.io/g64qs
	2. Material security	WORRY_SAFETY	https://osf.io/g64qs
	3. Years of education	EDUCATION/EDUCATION_3	https://osf.io/p479h
	4. Employment	EMPLOYMENT	-
	5. Subjective financial wellbeing	INCOME_FEELINGS	https://osf.io/9m4d6
	6. Homeownership	OWN_RENT_HOME	-

Religion/spirituality	1. Self-reported religion/spirituality	CONNECTED_REL	https://osf.io/taey8
	2. Frequency of religious service attendance	ATTEND_SVCS	https://osf.io/35xfv
	3. Life after death belief	AFTER_DEATH	https://osf.io/6qyzh
	4. Religious experience	REL_EXPERIENC	-
	5. Religious reading	SACRED_TEXTS	https://osf.io/zf6hg
	6. Prayer/meditation	PRAY_MEDITATE	https://osf.io/jdq35
	7. Belief in God or a spiritual force	BELIEVE_GOD	https://osf.io/9486t
	8. Intrinsic religiosity	LIFE_APPROACH	https://osf.io/ck6uy
	9. Religious comfort	COMFORT_REL	https://osf.io/b3kg8
	10. Loved by God or a spiritual force	LOVED_BY_GOD	https://osf.io/djxyr
	11. Spiritual punishment	GOD_PUNISH	https://osf.io/djxyr
	12. Religious criticism	CRITICAL	https://osf.io/rje6c
	13. Evangelism	TELL_BELIEFS	https://osf.io/8edcx
Personality traits	1. Extraversion (2 items)	TRAITS1, TRAITS6	-
	2. Openness to experience (2 items)	TRAITS5, TRAITS10	-
	3. Agreeableness (2 items)	TRAITS2, TRAITS7	-
	4. Conscientiousness (2 items)	TRAITS3, TRAITS8	-
	5. Neuroticism (2 items)	TRAITS4, TRAITS9	-
Family factors	1. Ever married	MARITAL_STATUS	https://osf.io/wterx
	2. Currently divorced	MARITAL_STATUS	https://osf.io/wterx
	3. Number of children in household	NUM_CHILDREN	-

Table S2. Meta-analyzed means and proportions across outcome variables for all 22 countries

Outcome	Mean/proportion	SE	95% CI	Heterogeneity (tau)
<i>Psychological wellbeing</i>				
Happiness	7.00	0.12	(6.76, 7.25)	0.58
Life satisfaction	6.85	0.16	(6.54, 7.16)	0.74
Life evaluation today	6.34	0.17	(6.01, 6.67)	0.79
Future life evaluation	7.49	0.14	(7.21, 7.77)	0.67
Optimism	8.11	0.16	(7.79, 8.43)	0.76
Freedom	7.80	0.13	(7.55, 8.06)	0.61
Peace	0.71	0.02	(0.67, 0.76)	0.11
Balance in life	0.69	0.02	(0.64, 0.74)	0.12
Mastery	0.79	0.03	(0.74, 0.84)	0.12
Meaning in life	7.39	0.14	(7.12, 7.66)	0.65
Sense of purpose	7.65	0.17	(7.32, 7.98)	0.79
Self-rated mental health	7.71	0.17	(7.36, 8.05)	0.82
<i>Social wellbeing</i>				
Subjective social connectedness	7.55	0.12	(7.30, 7.79)	0.58
Social support	7.40	0.19	(7.02, 7.78)	0.90
Intimate friend	0.83	0.01	(0.81, 0.86)	0.06
Government approval	0.43	0.04	(0.35, 0.51)	0.19
Political voice	0.51	0.04	(0.43, 0.59)	0.19
Belonging	7.74	0.15	(7.45, 8.03)	0.69
Place satisfaction	0.82	0.02	(0.79, 0.86)	0.09
Trust	0.25	0.03	(0.20, 0.30)	0.13
Community participation	0.20	0.01	(0.17, 0.23)	0.07
<i>Psychological distress</i>				
Traumatic distress	0.36	0.02	(0.32, 0.41)	0.10
Depression symptoms	0.32	0.02	(0.27, 0.37)	0.12
Anxiety symptoms	0.30	0.02	(0.25, 0.34)	0.11

Suffering	0.44	0.02	(0.40, 0.49)	0.11
<i>Social distress</i>				
Loneliness	3.38	0.11	(3.16, 3.60)	0.52
Discrimination	0.24	0.02	(0.20, 0.27)	0.09
<i>Character & prosocial behavior</i>				
Promoting good	8.01	0.12	(7.77, 8.25)	0.57
Delayed gratification	7.45	0.16	(7.14, 7.75)	0.74
Hope	8.13	0.16	(7.81, 8.45)	0.76
Gratitude	7.84	0.15	(7.54, 8.14)	0.71
Love	8.19	0.15	(7.90, 8.49)	0.71
Forgivingness	0.75	0.02	(0.70, 0.80)	0.11
Charitable giving	0.38	0.04	(0.31, 0.45)	0.18
Helping	0.56	0.03	(0.49, 0.63)	0.16
Volunteering	0.24	0.03	(0.19, 0.29)	0.12
<i>Physical health & health behavior</i>				
Self-rated physical health	7.21	0.14	(6.93, 7.49)	0.67
Health limitations	0.21	0.01	(0.18, 0.24)	0.06
Pain	0.44	0.02	(0.40, 0.48)	0.10
Smoking	2.36	0.42	(1.54, 3.17)	1.95
Drinking	1.78	0.28	(1.23, 2.33)	1.32
Exercise	2.45	0.15	(2.16, 2.74)	0.69
<i>Socioeconomic factors</i>				
Financial stability	5.59	0.22	(5.16, 6.02)	1.03
Material stability	5.89	0.25	(5.41, 6.38)	1.16
Years of education	0.19	0.03	(0.14, 0.25)	0.14
Employment	0.56	0.02	(0.52, 0.60)	0.09
Subjective financial well-being	0.64	0.04	(0.56, 0.71)	0.18
Homeownership	0.64	0.02	(0.61, 0.68)	0.09
<i>Religion/spirituality</i>				

Self-reported religion/spirituality	0.61	0.04	(0.53, 0.70)	0.21
Frequency of religious service attendance	0.37	0.05	(0.27, 0.48)	0.25
Life after death belief	0.54	0.04	(0.47, 0.60)	0.17
Religious experience	0.39	0.04	(0.31, 0.47)	0.20
Religious reading	0.30	0.04	(0.22, 0.39)	0.21
Prayer/meditation	0.50	0.06	(0.38, 0.61)	0.27
Belief in God or a spiritual force	0.78	0.05	(0.69, 0.87)	0.22
Intrinsic religiosity	0.67	0.05	(0.56, 0.78)	0.26
Religious comfort	0.72	0.05	(0.62, 0.82)	0.25
Loved by God or a spiritual force	0.73	0.05	(0.62, 0.84)	0.26
Spiritual punishment	0.32	0.05	(0.23, 0.41)	0.22
Religious criticism	0.33	0.04	(0.25, 0.41)	0.19
Evangelism	0.58	0.05	(0.49, 0.67)	0.21
<i>Personality traits</i>				
Extraversion	4.25	0.09	(4.08, 4.42)	0.41
Openness to experience	4.78	0.09	(4.61, 4.95)	0.41
Agreeableness	5.26	0.08	(5.11, 5.42)	0.37
Conscientiousness	5.54	0.11	(5.31, 5.76)	0.53
Neuroticism	3.19	0.09	(3.02, 3.36)	0.40
<i>Family factors</i>				
Ever married	0.65	0.03	(0.60, 0.71)	0.13
Currently divorced	0.05	0.01	(0.03, 0.06)	0.03
Number of children in household	1.17	0.15	(0.87, 1.47)	0.73

Note. Mean/proportion = random effects meta-analytic mean/proportion across countries, *SE* = standard error of the meta-analytic mean/proportion, 95% CI = 95% confidence interval for meta-analytic mean/proportion, heterogeneity (τ) = standard deviation of the distribution of means/proportions across countries.

Table S3. Variation in means/proportions (95% confidence intervals) for outcomes across age categories

Outcome	Age								Global <i>p</i> - value
	18-24 years	25-29 years	30-39 years	40-49 years	50-59 years	60-69 years	70-79 years	80+ years	
<i>Psychological wellbeing</i>									
Happiness	7.20 (6.88, 7.52)	6.76 (6.49, 7.04)	7.07 (6.83, 7.30)	6.60 (6.30, 6.89)	7.03 (6.56, 7.50)	6.97 (6.16, 7.78)	7.16 (6.10, 8.23)	7.92 (4.88, 10.96)	0.136
Life satisfaction	6.47 (6.17, 6.78)	6.19 (5.83, 6.56)	6.44 (6.17, 6.71)	6.15 (5.84, 6.46)	6.46 (5.92, 7.00)	6.27 (5.50, 7.04)	6.73 (5.72, 7.75)	7.45 (6.68, 8.23)	0.015
Life evaluation today	6.34 (6.04, 6.63)	6.15 (5.86, 6.44)	6.24 (5.97, 6.51)	6.00 (5.67, 6.32)	5.85 (5.26, 6.44)	5.75 (4.96, 6.54)	6.11 (5.03, 7.20)	5.90 (3.39, 8.40)	0.646
Future life evaluation	7.99 (7.75, 8.22)	7.93 (7.68, 8.17)	7.78 (7.55, 8.01)	7.34 (7.04, 7.65)	7.47 (6.98, 7.96)	6.51 (5.73, 7.29)	7.29 (6.48, 8.11)	7.79 (6.54, 9.03)	< .001
Optimism	8.27 (8.03, 8.52)	8.07 (7.82, 8.32)	8.34 (8.15, 8.53)	8.12 (7.82, 8.42)	8.17 (7.71, 8.62)	8.28 (7.77, 8.78)	8.36 (7.62, 9.11)	7.30 (4.72, 9.88)	0.725
Freedom	8.06 (7.83, 8.30)	7.75 (7.46, 8.03)	8.17 (7.95, 8.39)	7.97 (7.71, 8.22)	7.89 (7.49, 8.29)	7.71 (7.04, 8.38)	7.68 (6.69, 8.67)	8.89 (7.96, 9.82)	0.089
Peace	0.80 (0.76, 0.85)	0.84 (0.80, 0.88)	0.81 (0.77, 0.84)	0.80 (0.75, 0.84)	0.78 (0.72, 0.85)	0.71 (0.58, 0.83)	0.86 (0.75, 0.98)	1.00 (1.00, 1.00)	< .001
Balance in life	0.69 (0.64, 0.74)	0.74 (0.69, 0.78)	0.69 (0.65, 0.73)	0.71 (0.65, 0.76)	0.66 (0.59, 0.74)	0.73 (0.62, 0.84)	0.74 (0.59, 0.88)	1.00 (1.00, 1.00)	< .001
Mastery	0.86 (0.82, 0.89)	0.83 (0.79, 0.87)	0.85 (0.82, 0.88)	0.81 (0.77, 0.85)	0.84 (0.79, 0.90)	0.84 (0.75, 0.93)	0.95 (0.89, 1.00)	0.98 (0.92, 1.04)	< .001
Meaning in life	6.99 (6.71, 7.26)	6.67 (6.39, 6.95)	6.87 (6.60, 7.15)	6.47 (6.17, 6.77)	6.60 (6.09, 7.11)	6.29 (5.48, 7.09)	7.01 (6.06, 7.96)	6.47 (3.53, 9.41)	0.216
Sense of purpose	7.99 (7.69, 8.29)	7.85 (7.62, 8.09)	8.29 (8.07, 8.51)	7.82 (7.54, 8.10)	8.20 (7.84, 8.57)	7.97 (7.34, 8.60)	8.52 (7.79, 9.26)	9.36 (8.33, 10.40)	0.005
Self-rated mental health	8.05 (7.79, 8.31)	8.39 (8.15, 8.63)	8.46 (8.29, 8.64)	7.99 (7.69, 8.30)	8.08 (7.62, 8.55)	7.93 (7.17, 8.68)	7.86 (6.99, 8.73)	8.20 (4.73, 11.68)	0.059
<i>Social wellbeing</i>									
Subjective social connectedness	7.28 (7.05, 7.51)	7.22 (7.00, 7.43)	7.42 (7.21, 7.62)	7.24 (6.95, 7.53)	7.68 (7.36, 8.01)	7.83 (7.24, 8.43)	7.37 (6.42, 8.31)	8.62 (7.43, 9.82)	0.022
Social support	7.14 (6.81, 7.48)	6.94 (6.65, 7.22)	7.04 (6.78, 7.29)	6.98 (6.63, 7.33)	7.62 (7.19, 8.05)	7.96 (7.43, 8.48)	7.20 (6.08, 8.32)	9.04 (7.96, 10.12)	< .001
Intimate friend	0.84 (0.80, 0.89)	0.81 (0.77, 0.85)	0.83 (0.79, 0.86)	0.85 (0.82, 0.89)	0.85 (0.79, 0.91)	0.79 (0.70, 0.88)	0.85 (0.71, 0.98)	0.59 (0.05, 1.12)	0.618
Government approval	0.40 (0.35, 0.45)	0.35 (0.30, 0.41)	0.35 (0.31, 0.40)	0.37 (0.32, 0.42)	0.42 (0.33, 0.51)	0.36 (0.25, 0.47)	0.54 (0.38, 0.71)	0.48 (0.00, 1.08)	0.218
Political voice	0.64 (0.58, 0.69)	0.58 (0.52, 0.63)	0.59 (0.53, 0.66)	0.62 (0.56, 0.69)	0.61 (0.52, 0.70)	0.54 (0.42, 0.66)	0.69 (0.54, 0.84)	0.56 (0.02, 1.11)	0.447
Belonging	7.74 (7.44, 8.04)	7.76 (7.49, 8.04)	7.52 (7.27, 7.77)	7.54 (7.21, 7.87)	7.67 (7.18, 8.15)	7.66 (6.99, 8.34)	7.77 (6.74, 8.79)	9.19 (7.80, 10.58)	0.159
Place satisfaction	0.65 (0.59, 0.71)	0.58 (0.52, 0.64)	0.60 (0.55, 0.65)	0.64 (0.58, 0.69)	0.56 (0.48, 0.65)	0.71 (0.61, 0.82)	0.72 (0.55, 0.88)	0.70 (0.18, 1.23)	0.162
Trust	0.13 (0.09, 0.17)	0.12 (0.09, 0.16)	0.10 (0.08, 0.13)	0.10 (0.07, 0.13)	0.09 (0.04, 0.15)	0.07 (0.01, 0.13)	0.12 (0.00, 0.24)	0.22 (0.00, 0.58)	0.650
Community participation	0.36 (0.31, 0.41)	0.26 (0.21, 0.31)	0.23 (0.20, 0.27)	0.21 (0.16, 0.26)	0.18 (0.13, 0.24)	0.14 (0.06, 0.23)	0.24 (0.09, 0.38)	0.58 (0.05, 1.11)	< .001
<i>Psychological distress</i>									
Traumatic distress	0.35 (0.29, 0.40)	0.30 (0.25, 0.35)	0.37 (0.32, 0.41)	0.38 (0.32, 0.44)	0.34 (0.26, 0.43)	0.35 (0.23, 0.46)	0.21 (0.08, 0.34)	0.49 (0.00, 1.03)	0.082
Depression symptoms	0.44 (0.38, 0.49)	0.30 (0.26, 0.35)	0.32 (0.28, 0.37)	0.31 (0.26, 0.37)	0.34 (0.25, 0.42)	0.23 (0.11, 0.34)	0.17 (0.05, 0.28)	0.17 (0.00, 0.55)	< .001
Anxiety symptoms	0.39 (0.34, 0.44)	0.30 (0.25, 0.34)	0.29 (0.24, 0.33)	0.31 (0.25, 0.36)	0.26 (0.19, 0.33)	0.18 (0.08, 0.28)	0.18 (0.07, 0.30)	0.14 (0.00, 0.47)	0.001

Suffering	0.31 (0.26, 0.37)	0.24 (0.19, 0.28)	0.27 (0.23, 0.31)	0.26 (0.21, 0.31)	0.44 (0.36, 0.53)	0.32 (0.22, 0.43)	0.30 (0.15, 0.45)	0.63 (0.10, 1.16)	0.002
<i>Social distress</i>									
Loneliness	3.89 (3.54, 4.23)	4.02 (3.67, 4.37)	3.63 (3.36, 3.91)	3.66 (3.33, 4.00)	3.57 (3.00, 4.13)	3.28 (2.43, 4.13)	3.22 (2.16, 4.27)	2.26 (0.00, 4.53)	0.320
Discrimination	0.39 (0.34, 0.45)	0.34 (0.29, 0.39)	0.38 (0.34, 0.42)	0.43 (0.37, 0.48)	0.38 (0.30, 0.47)	0.28 (0.16, 0.40)	0.30 (0.13, 0.47)	0.00 *	< .001
<i>Character & prosocial behavior</i>									
Promoting good	7.90 (7.64, 8.15)	7.52 (7.22, 7.82)	8.08 (7.87, 8.29)	7.65 (7.38, 7.93)	8.03 (7.62, 8.44)	7.11 (6.32, 7.90)	8.16 (7.53, 8.78)	8.82 (7.53, 10.12)	0.002
Delayed gratification	7.90 (7.64, 8.16)	7.66 (7.42, 7.90)	7.70 (7.48, 7.92)	7.57 (7.29, 7.84)	7.70 (7.26, 8.14)	7.32 (6.58, 8.05)	7.77 (6.96, 8.57)	7.98 (6.57, 9.40)	0.668
Hope	8.69 (8.44, 8.93)	8.60 (8.38, 8.83)	8.69 (8.51, 8.88)	8.28 (8.02, 8.55)	8.74 (8.39, 9.10)	8.44 (7.95, 8.93)	8.56 (7.88, 9.24)	9.44 (8.86, 10.02)	0.009
Gratitude	7.93 (7.66, 8.20)	7.66 (7.39, 7.93)	7.93 (7.73, 8.14)	7.82 (7.56, 8.09)	8.07 (7.70, 8.44)	7.64 (6.97, 8.31)	7.45 (6.35, 8.54)	8.43 (7.28, 9.58)	0.443
Love	8.62 (8.40, 8.84)	8.37 (8.13, 8.61)	8.65 (8.46, 8.84)	8.52 (8.27, 8.76)	8.70 (8.31, 9.08)	8.98 (8.52, 9.43)	8.16 (7.37, 8.96)	8.92 (7.71, 10.12)	0.240
Forgivingness	0.82 (0.77, 0.86)	0.81 (0.76, 0.85)	0.85 (0.82, 0.88)	0.83 (0.78, 0.87)	0.88 (0.82, 0.93)	0.85 (0.77, 0.93)	0.95 (0.87, 1.03)	1.00 (1.00, 1.00)	< .001
Charitable giving	0.18 (0.14, 0.22)	0.19 (0.15, 0.23)	0.19 (0.15, 0.23)	0.22 (0.17, 0.26)	0.21 (0.15, 0.26)	0.20 (0.11, 0.30)	0.16 (0.04, 0.28)	0.05 (0.00, 0.14)	0.014
Helping	0.54 (0.48, 0.61)	0.59 (0.54, 0.65)	0.59 (0.54, 0.63)	0.56 (0.50, 0.62)	0.63 (0.55, 0.71)	0.60 (0.48, 0.71)	0.61 (0.45, 0.77)	0.22 (0.00, 0.62)	0.273
Volunteering	0.25 (0.20, 0.29)	0.25 (0.20, 0.29)	0.24 (0.20, 0.28)	0.25 (0.20, 0.30)	0.28 (0.20, 0.35)	0.23 (0.13, 0.33)	0.26 (0.11, 0.41)	0.02 (0.00, 0.08)	< .001
<i>Physical health & health behavior</i>									
Self-rated physical health	8.25 (8.01, 8.48)	7.88 (7.64, 8.12)	8.02 (7.81, 8.24)	7.42 (7.12, 7.72)	6.71 (6.18, 7.23)	5.98 (5.17, 6.80)	6.22 (5.19, 7.25)	6.13 (1.87, 10.39)	< .001
Health limitations	0.14 (0.10, 0.18)	0.15 (0.11, 0.18)	0.17 (0.13, 0.20)	0.23 (0.18, 0.28)	0.30 (0.22, 0.37)	0.45 (0.33, 0.56)	0.38 (0.22, 0.55)	0.49 (0.00, 1.03)	< .001
Pain	0.24 (0.19, 0.29)	0.22 (0.18, 0.26)	0.25 (0.21, 0.29)	0.27 (0.22, 0.32)	0.47 (0.38, 0.56)	0.31 (0.20, 0.42)	0.38 (0.23, 0.53)	0.32 (0.00, 0.87)	< .001
Smoking	1.09 (0.72, 1.46)	1.67 (1.26, 2.07)	1.64 (1.27, 2.01)	2.49 (1.48, 3.50)	2.17 (1.17, 3.17)	0.94 (0.30, 1.58)	0.43 (0.01, 0.86)	0.15 (0.00, 0.51)	< .001
Drinking	2.71 (1.93, 3.48)	2.61 (2.10, 3.13)	2.90 (2.46, 3.33)	2.55 (2.04, 3.06)	1.59 (0.88, 2.30)	0.68 (0.32, 1.04)	0.48 (0.00, 0.99)	0.84 (0.00, 2.09)	< .001
Exercise	2.74 (2.48, 2.99)	2.26 (2.00, 2.52)	2.33 (2.11, 2.54)	2.07 (1.78, 2.36)	2.31 (1.95, 2.67)	2.57 (1.84, 3.30)	2.14 (1.29, 2.99)	0.99 (0.00, 2.64)	0.014
<i>Socioeconomic factors</i>									
Financial security	5.61 (5.26, 5.95)	4.94 (4.57, 5.31)	5.21 (4.92, 5.50)	5.10 (4.76, 5.44)	5.01 (4.41, 5.61)	4.64 (3.87, 5.41)	6.33 (5.37, 7.29)	7.40 (5.77, 9.03)	< .001
Material security	5.90 (5.54, 6.26)	5.55 (5.16, 5.94)	5.67 (5.38, 5.96)	5.35 (4.96, 5.75)	5.08 (4.44, 5.73)	5.00 (4.19, 5.81)	5.98 (4.95, 7.01)	8.77 (7.21, 10.32)	< .001
Years of education	0.05 (0.03, 0.07)	0.12 (0.09, 0.15)	0.09 (0.06, 0.12)	0.07 (0.05, 0.10)	0.05 (0.02, 0.08)	0.01 (0.00, 0.03)	0.00 *	0.00 *	0.007
Employment	0.17 (0.12, 0.22)	0.38 (0.32, 0.43)	0.46 (0.42, 0.51)	0.54 (0.48, 0.60)	0.51 (0.43, 0.58)	0.12 (0.04, 0.20)	0.00 *	0.00 *	< .001
Subjective financial wellbeing	0.56 (0.51, 0.61)	0.50 (0.44, 0.55)	0.47 (0.43, 0.51)	0.47 (0.41, 0.53)	0.45 (0.36, 0.53)	0.47 (0.34, 0.60)	0.63 (0.47, 0.79)	0.71 (0.19, 1.22)	0.030
Homeownership	0.69 (0.64, 0.74)	0.66 (0.60, 0.71)	0.67 (0.63, 0.72)	0.71 (0.66, 0.76)	0.77 (0.69, 0.84)	0.83 (0.74, 0.92)	0.91 (0.81, 1.01)	1.00 (1.00, 1.00)	< .001
<i>Religion/spirituality</i>									
Self-reported religion/spirituality	0.86 (0.83, 0.90)	0.81 (0.77, 0.85)	0.82 (0.78, 0.86)	0.85 (0.81, 0.89)	0.85 (0.79, 0.92)	0.87 (0.80, 0.95)	0.95 (0.89, 1.02)	1.00 (1.00, 1.00)	< .001

Frequency of religious service attendance	0.49 (0.44, 0.55)	0.42 (0.37, 0.48)	0.44 (0.39, 0.48)	0.47 (0.41, 0.52)	0.58 (0.51, 0.66)	0.63 (0.52, 0.73)	0.69 (0.54, 0.84)	0.53 (0.00, 1.08)	< .001
Life after death belief	0.49 (0.42, 0.55)	0.49 (0.43, 0.55)	0.50 (0.45, 0.55)	0.50 (0.45, 0.56)	0.62 (0.54, 0.70)	0.58 (0.47, 0.70)	0.75 (0.62, 0.88)	0.41 (0.00, 0.96)	0.001
Religious experience	0.55 (0.49, 0.61)	0.57 (0.51, 0.62)	0.60 (0.56, 0.65)	0.61 (0.56, 0.67)	0.64 (0.55, 0.72)	0.70 (0.58, 0.81)	0.49 (0.32, 0.67)	1.00 (1.00, 1.00)	< .001
Religious reading	0.34 (0.28, 0.39)	0.30 (0.25, 0.36)	0.27 (0.23, 0.32)	0.36 (0.31, 0.41)	0.46 (0.37, 0.54)	0.43 (0.31, 0.56)	0.46 (0.30, 0.61)	0.41 (0.00, 0.92)	0.003
Prayer/meditation	0.70 (0.65, 0.75)	0.66 (0.61, 0.71)	0.66 (0.62, 0.70)	0.69 (0.63, 0.75)	0.79 (0.72, 0.86)	0.80 (0.71, 0.89)	0.89 (0.78, 1.00)	1.00 (1.00, 1.00)	< .001
Belief in God or a spiritual force	0.93 (0.90, 0.96)	0.96 (0.93, 0.98)	0.94 (0.93, 0.96)	0.96 (0.94, 0.98)	0.98 (0.94, 1.01)	1.00 (0.99, 1.00)	1.00 *	1.00 (1.00, 1.00)	0.349
Intrinsic religiosity	0.86 (0.82, 0.90)	0.87 (0.83, 0.91)	0.85 (0.82, 0.89)	0.87 (0.83, 0.91)	0.94 (0.90, 0.99)	0.91 (0.84, 0.98)	0.98 (0.90, 1.07)	0.71 (0.15, 1.26)	< .001
Religious comfort	0.94 (0.92, 0.96)	0.92 (0.88, 0.95)	0.92 (0.89, 0.94)	0.91 (0.87, 0.95)	0.93 (0.88, 0.98)	0.92 (0.85, 1.00)	0.99 (0.96, 1.01)	0.71 (0.15, 1.26)	0.002
Loved by God or a spiritual force	0.96 (0.93, 0.98)	0.95 (0.92, 0.98)	0.96 (0.94, 0.98)	0.94 (0.91, 0.97)	0.97 (0.94, 1.01)	0.94 (0.88, 1.01)	0.99 (0.96, 1.01)	0.98 (0.92, 1.04)	0.222
Spiritual punishment	0.50 (0.44, 0.56)	0.50 (0.45, 0.55)	0.49 (0.44, 0.53)	0.49 (0.44, 0.55)	0.45 (0.36, 0.54)	0.42 (0.28, 0.55)	0.43 (0.25, 0.60)	0.05 (0.00, 0.16)	< .001
Religious criticism	0.56 (0.51, 0.62)	0.51 (0.45, 0.57)	0.53 (0.48, 0.58)	0.56 (0.50, 0.62)	0.52 (0.44, 0.61)	0.45 (0.32, 0.59)	0.46 (0.27, 0.64)	0.53 (0.00, 1.07)	0.479
Evangelism	0.78 (0.74, 0.83)	0.75 (0.70, 0.80)	0.79 (0.75, 0.83)	0.80 (0.75, 0.85)	0.87 (0.81, 0.93)	0.81 (0.72, 0.91)	0.69 (0.52, 0.85)	1.00 (1.00, 1.00)	< .001
<i>Personality traits</i>									
Extraversion	4.21 (4.03, 4.39)	4.06 (3.87, 4.24)	4.37 (4.22, 4.53)	4.16 (3.97, 4.36)	4.13 (3.84, 4.42)	4.27 (3.89, 4.65)	3.84 (3.18, 4.50)	3.37 (1.88, 4.87)	0.124
Openness to experience	5.55 (5.39, 5.70)	5.51 (5.35, 5.67)	5.47 (5.31, 5.63)	5.54 (5.38, 5.71)	5.20 (4.94, 5.46)	4.42 (3.96, 4.88)	4.84 (4.25, 5.43)	4.22 (3.67, 4.77)	< .001
Agreeableness	5.45 (5.25, 5.65)	5.59 (5.42, 5.75)	5.68 (5.54, 5.81)	5.73 (5.57, 5.89)	5.65 (5.40, 5.90)	5.77 (5.42, 6.12)	5.75 (5.30, 6.19)	6.00 (4.37, 7.63)	0.462
Conscientiousness	6.09 (5.93, 6.26)	5.95 (5.79, 6.10)	6.03 (5.89, 6.17)	6.11 (5.95, 6.28)	6.06 (5.83, 6.29)	6.10 (5.75, 6.46)	6.43 (6.10, 6.76)	5.65 (3.99, 7.31)	0.246
Neuroticism	2.84 (2.67, 3.02)	2.83 (2.65, 3.00)	2.64 (2.49, 2.79)	2.56 (2.39, 2.74)	2.80 (2.54, 3.05)	2.68 (2.34, 3.02)	2.50 (1.93, 3.06)	1.84 (0.75, 2.93)	0.016
<i>Family factors</i>									
Ever married	0.05 (0.03, 0.07)	0.10 (0.07, 0.13)	0.18 (0.15, 0.22)	0.39 (0.34, 0.45)	0.60 (0.52, 0.68)	0.72 (0.61, 0.82)	0.72 (0.58, 0.87)	0.56 (0.03, 1.09)	< .001
Currently divorced	0.00 *	0.00 *	0.01 (0.00, 0.02)	0.04 (0.02, 0.07)	0.04 (0.01, 0.07)	0.04 (0.01, 0.07)	0.00 (0.00, 0.01)	0.07 (0.00, 0.26)	0.412
Number of children in household	1.75 (1.52, 1.98)	1.81 (1.62, 2.00)	2.06 (1.88, 2.24)	1.93 (1.68, 2.17)	1.84 (1.50, 2.17)	2.01 (1.47, 2.54)	2.01 (1.37, 2.64)	2.38 (0.62, 4.15)	0.268

Note. *95% confidence interval not estimable based on the observed data

Table S4. Variation in means/proportions (95% confidence intervals) for outcomes across gender categories

Outcome	Gender			Global <i>p</i> -value
	Male	Female	Other	
<i>Psychological wellbeing</i>				
Happiness	6.96 (6.75, 7.16)	6.95 (6.74, 7.16)	6.30 *	0.586
Life satisfaction	6.38 (6.15, 6.61)	6.35 (6.16, 6.54)	6.29 *	0.943
Life evaluation today	6.02 (5.78, 6.25)	6.20 (5.98, 6.41)	6.58 *	0.323
Future life evaluation	7.59 (7.40, 7.78)	7.60 (7.41, 7.79)	7.86 *	0.930
Optimism	8.30 (8.13, 8.47)	8.14 (7.97, 8.31)	7.28 *	< .001
Freedom	8.02 (7.83, 8.21)	7.93 (7.76, 8.09)	6.71 *	< .001
Peace	0.80 (0.77, 0.83)	0.80 (0.77, 0.83)	1.00 *	< .001
Balance in life	0.71 (0.67, 0.75)	0.70 (0.67, 0.73)	1.00 *	< .001
Mastery	0.86 (0.83, 0.88)	0.83 (0.81, 0.86)	1.00 *	< .001
Meaning in life	6.73 (6.52, 6.94)	6.70 (6.49, 6.91)	8.01 *	0.007
Sense of purpose	8.09 (7.91, 8.26)	8.05 (7.90, 8.21)	7.01 *	0.596
Self-rated mental health	8.28 (8.10, 8.47)	8.07 (7.87, 8.28)	7.43 *	0.193
<i>Social wellbeing</i>				
Subjective social connectedness	7.44 (7.27, 7.61)	7.36 (7.21, 7.52)	6.44 *	0.043
Social support	7.11 (6.89, 7.32)	7.26 (7.07, 7.45)	6.01 *	0.008
Intimate friend	0.83 (0.80, 0.86)	0.83 (0.81, 0.86)	1.00 *	< .001
Government approval	0.38 (0.34, 0.41)	0.39 (0.35, 0.43)	0.29 *	0.780
Political voice	0.60 (0.55, 0.64)	0.61 (0.57, 0.65)	1.00 *	< .001
Belonging	7.60 (7.38, 7.82)	7.69 (7.52, 7.86)	7.58 *	0.797
Place satisfaction	0.60 (0.56, 0.64)	0.64 (0.61, 0.68)	0.58 *	0.229
Trust	0.12 (0.10, 0.15)	0.10 (0.08, 0.12)	0.00 *	< .001
Community participation	0.26 (0.23, 0.29)	0.22 (0.19, 0.25)	1.00 *	< .001
<i>Psychological distress</i>				
Traumatic distress	0.34 (0.30, 0.38)	0.36 (0.32, 0.39)	0.00 *	< .001
Depression symptoms	0.31 (0.27, 0.34)	0.34 (0.31, 0.37)	0.72 *	0.061

Anxiety symptoms	0.28 (0.25, 0.31)	0.31 (0.27, 0.34)	0.00 *	< .001
Suffering	0.27 (0.23, 0.30)	0.33 (0.30, 0.36)	0.42 *	0.025
<i>Social distress</i>				
Loneliness	3.63 (3.39, 3.86)	3.73 (3.53, 3.93)	1.86 *	0.001
Discrimination	0.37 (0.33, 0.41)	0.38 (0.34, 0.41)	0.00 *	< .001
<i>Character & prosocial behavior</i>				
Promoting good	7.84 (7.65, 8.02)	7.80 (7.61, 7.99)	7.29 *	0.143
Delayed gratification	7.68 (7.49, 7.86)	7.68 (7.50, 7.86)	8.01 *	0.952
Hope	8.69 (8.53, 8.85)	8.48 (8.33, 8.64)	8.01 *	0.057
Gratitude	7.85 (7.66, 8.04)	7.85 (7.68, 8.02)	6.44 *	0.264
Love	8.59 (8.43, 8.76)	8.59 (8.44, 8.74)	6.29 *	< .001
Forgivingness	0.84 (0.81, 0.87)	0.84 (0.82, 0.87)	1.00 *	< .001
Charitable giving	0.21 (0.18, 0.24)	0.18 (0.15, 0.21)	0.28 *	0.331
Helping	0.63 (0.59, 0.67)	0.53 (0.49, 0.57)	0.71 *	< .001
Volunteering	0.27 (0.23, 0.30)	0.23 (0.20, 0.26)	0.42 *	0.234
<i>Physical health & health behavior</i>				
Self-rated physical health	7.73 (7.52, 7.93)	7.33 (7.11, 7.56)	8.29 *	< .001
Health limitations	0.19 (0.16, 0.22)	0.25 (0.21, 0.28)	0.42 *	0.031
Pain	0.24 (0.21, 0.28)	0.33 (0.30, 0.36)	0.42 *	< .001
Smoking	2.51 (2.12, 2.90)	0.85 (0.47, 1.23)	2.97 *	< .001
Drinking	3.24 (2.89, 3.58)	1.44 (1.18, 1.70)	4.81 *	< .001
Exercise	2.65 (2.45, 2.85)	2.04 (1.87, 2.20)	3.55 *	< .001
<i>Socioeconomic factors</i>				
Financial security	5.40 (5.13, 5.66)	5.05 (4.84, 5.26)	6.29 *	< .001
Material security	5.62 (5.37, 5.87)	5.47 (5.26, 5.69)	7.07 *	< .001
Years of education	0.08 (0.06, 0.09)	0.06 (0.05, 0.08)	0.00 *	< .001
Employment	0.46 (0.42, 0.50)	0.28 (0.25, 0.32)	0.28 *	< .001
Subjective financial wellbeing	0.50 (0.47, 0.54)	0.49 (0.45, 0.52)	0.29 *	0.588
Homeownership	0.69 (0.65, 0.72)	0.74 (0.71, 0.77)	1.00 *	< .001

<i>Religion/spirituality</i>				
Self-reported religion/spirituality	0.80 (0.78, 0.83)	0.89 (0.87, 0.91)	0.58 *	< .001
Frequency of religious service attendance	0.39 (0.35, 0.43)	0.59 (0.56, 0.62)	0.71 *	< .001
Life after death belief	0.53 (0.49, 0.57)	0.52 (0.48, 0.56)	0.58 *	0.894
Religious experience	0.55 (0.51, 0.59)	0.64 (0.61, 0.68)	0.42 *	0.002
Religious reading	0.31 (0.27, 0.35)	0.39 (0.35, 0.42)	0.71 *	0.007
Prayer/meditation	0.65 (0.62, 0.69)	0.77 (0.74, 0.79)	1.00 *	< .001
Belief in God or a spiritual force	0.94 (0.92, 0.96)	0.97 (0.96, 0.98)	1.00 *	< .001
Intrinsic religiosity	0.86 (0.83, 0.89)	0.90 (0.88, 0.92)	1.00 *	< .001
Religious comfort	0.90 (0.87, 0.92)	0.95 (0.93, 0.96)	1.00 *	< .001
Loved by God or a spiritual force	0.94 (0.92, 0.96)	0.97 (0.96, 0.99)	1.00 *	< .001
Spiritual punishment	0.46 (0.42, 0.51)	0.49 (0.45, 0.53)	0.63 *	< .001
Religious criticism	0.54 (0.50, 0.57)	0.52 (0.49, 0.56)	0.41 *	0.638
Evangelism	0.77 (0.74, 0.80)	0.82 (0.78, 0.85)	1.00 *	< .001
<i>Personality traits</i>				
Extraversion	4.12 (3.98, 4.25)	4.27 (4.14, 4.39)	4.15 *	0.224
Openness to experience	5.51 (5.39, 5.63)	5.22 (5.08, 5.36)	5.43 *	0.006
Agreeableness	5.70 (5.58, 5.81)	5.60 (5.48, 5.71)	5.51 *	0.410
Conscientiousness	6.10 (5.98, 6.22)	6.04 (5.93, 6.15)	5.29 *	0.469
Neuroticism	2.53 (2.40, 2.66)	2.86 (2.75, 2.97)	2.57 *	< .001
<i>Family factors</i>				
Ever married	0.31 (0.27, 0.34)	0.30 (0.27, 0.34)	0.28 *	0.987
Currently divorced	0.02 (0.01, 0.03)	0.02 (0.01, 0.03)	0.28 *	0.533
Number of children in household	1.45 (1.31, 1.59)	2.36 (2.20, 2.51)	1.14 *	< .001

Note. *95% confidence interval not estimable based on the observed data.

Table S5. Variation in means/proportions (95% confidence intervals) for outcomes across marital status categories

Outcome	Marital status						Global <i>p</i> -value
	Married	Separated	Divorced	Widowed	Domestic partner	Single, never married	
<i>Psychological wellbeing</i>							
Happiness	7.18 (6.80, 7.56)	7.27 (6.54, 8.00)	6.03 (4.73, 7.33)	7.10 (6.14, 8.06)	6.90 (6.74, 7.06)	6.82 (6.35, 7.29)	0.339
Life satisfaction	6.70 (6.34, 7.07)	6.75 (5.79, 7.70)	5.27 (4.07, 6.46)	6.82 (5.86, 7.78)	6.25 (6.07, 6.43)	6.21 (5.75, 6.68)	0.042
Life evaluation today	6.37 (5.97, 6.78)	6.34 (5.46, 7.23)	5.14 (3.92, 6.35)	6.28 (5.40, 7.17)	6.07 (5.89, 6.26)	5.80 (5.25, 6.35)	0.375
Future life evaluation	7.60 (7.30, 7.90)	7.46 (6.60, 8.32)	6.91 (5.49, 8.32)	7.16 (6.37, 7.95)	7.68 (7.52, 7.85)	7.48 (7.08, 7.89)	0.557
Optimism	8.42 (8.14, 8.70)	8.06 (7.50, 8.63)	8.05 (7.29, 8.80)	8.60 (8.04, 9.17)	8.16 (8.01, 8.31)	8.02 (7.57, 8.48)	0.287
Freedom	8.17 (7.84, 8.51)	7.24 (6.55, 7.93)	7.39 (6.08, 8.70)	8.07 (7.32, 8.83)	7.97 (7.82, 8.11)	7.83 (7.46, 8.19)	0.140
Peace	0.81 (0.76, 0.86)	0.87 (0.78, 0.96)	0.72 (0.55, 0.89)	0.64 (0.50, 0.78)	0.81 (0.79, 0.84)	0.80 (0.73, 0.86)	0.083
Balance in life	0.72 (0.66, 0.77)	0.68 (0.56, 0.81)	0.54 (0.35, 0.73)	0.71 (0.58, 0.84)	0.72 (0.70, 0.75)	0.59 (0.51, 0.66)	0.005
Mastery	0.86 (0.82, 0.90)	0.79 (0.69, 0.90)	0.73 (0.54, 0.91)	0.80 (0.70, 0.91)	0.86 (0.84, 0.88)	0.79 (0.73, 0.85)	0.151
Meaning in life	6.87 (6.48, 7.26)	5.96 (4.94, 6.98)	5.87 (4.65, 7.10)	7.04 (6.14, 7.95)	6.68 (6.50, 6.87)	6.78 (6.31, 7.24)	0.358
Sense of purpose	8.16 (7.84, 8.48)	8.00 (7.47, 8.52)	7.93 (7.13, 8.74)	8.43 (7.87, 9.00)	8.01 (7.86, 8.16)	8.10 (7.75, 8.46)	0.693
Self-rated mental health	8.04 (7.68, 8.39)	7.58 (6.82, 8.34)	7.72 (6.89, 8.55)	7.92 (7.09, 8.75)	8.28 (8.15, 8.42)	8.22 (7.68, 8.75)	0.231
<i>Social wellbeing</i>							
Subjective social connectedness	7.89 (7.59, 8.18)	6.45 (5.87, 7.04)	6.80 (6.16, 7.44)	7.57 (6.90, 8.24)	7.27 (7.13, 7.41)	7.46 (7.02, 7.91)	< .001
Social support	7.39 (7.01, 7.76)	7.15 (6.42, 7.89)	6.75 (5.72, 7.79)	7.56 (6.74, 8.37)	7.08 (6.92, 7.25)	7.29 (6.85, 7.73)	0.425
Intimate friend	0.84 (0.80, 0.88)	0.94 (0.87, 1.01)	0.86 (0.74, 0.97)	0.84 (0.74, 0.95)	0.82 (0.79, 0.84)	0.87 (0.81, 0.92)	0.025
Government approval	0.42 (0.36, 0.48)	0.37 (0.23, 0.52)	0.35 (0.17, 0.53)	0.50 (0.37, 0.63)	0.36 (0.33, 0.39)	0.40 (0.32, 0.48)	0.241
Political voice	0.57 (0.51, 0.63)	0.56 (0.40, 0.72)	0.53 (0.34, 0.71)	0.60 (0.46, 0.73)	0.62 (0.58, 0.66)	0.62 (0.54, 0.70)	0.565
Belonging	7.68 (7.28, 8.08)	7.33 (6.59, 8.08)	6.38 (5.20, 7.56)	8.28 (7.56, 9.00)	7.65 (7.49, 7.80)	7.59 (7.17, 8.01)	0.097
Place satisfaction	0.61 (0.54, 0.68)	0.72 (0.60, 0.84)	0.54 (0.35, 0.73)	0.71 (0.58, 0.84)	0.62 (0.59, 0.65)	0.60 (0.52, 0.68)	0.252
Trust	0.10 (0.06, 0.13)	0.10 (0.03, 0.18)	0.11 (0.00, 0.22)	0.09 (0.01, 0.17)	0.11 (0.09, 0.13)	0.12 (0.07, 0.17)	0.858
Community participation	0.19 (0.15, 0.24)	0.28 (0.15, 0.41)	0.11 (0.02, 0.19)	0.17 (0.08, 0.26)	0.29 (0.26, 0.32)	0.15 (0.10, 0.19)	< .001
<i>Psychological distress</i>							
Traumatic distress	0.39 (0.33, 0.46)	0.30 (0.18, 0.41)	0.28 (0.12, 0.44)	0.40 (0.26, 0.53)	0.33 (0.30, 0.35)	0.37 (0.29, 0.46)	0.290
Depression symptoms	0.28 (0.22, 0.33)	0.34 (0.20, 0.48)	0.54 (0.36, 0.72)	0.39 (0.26, 0.53)	0.32 (0.29, 0.35)	0.36 (0.28, 0.44)	0.067
Anxiety symptoms	0.24 (0.19, 0.30)	0.35 (0.23, 0.48)	0.31 (0.15, 0.47)	0.28 (0.17, 0.40)	0.30 (0.27, 0.33)	0.32 (0.25, 0.40)	0.394
Suffering	0.32 (0.26, 0.39)	0.45 (0.29, 0.60)	0.25 (0.11, 0.39)	0.43 (0.29, 0.57)	0.27 (0.24, 0.30)	0.31 (0.23, 0.39)	0.028

<i>Social distress</i>							
Loneliness	3.12 (2.73, 3.52)	3.17 (2.38, 3.97)	5.30 (4.09, 6.50)	3.42 (2.54, 4.31)	3.89 (3.70, 4.07)	3.53 (3.05, 4.00)	< .001
Discrimination	0.37 (0.31, 0.43)	0.31 (0.17, 0.45)	0.42 (0.22, 0.62)	0.34 (0.19, 0.49)	0.37 (0.34, 0.41)	0.41 (0.33, 0.48)	0.789
<i>Character & prosocial behavior</i>							
Promoting good	7.78 (7.43, 8.12)	7.45 (6.72, 8.19)	7.20 (6.28, 8.12)	8.23 (7.55, 8.90)	7.83 (7.69, 7.96)	7.87 (7.52, 8.23)	0.373
Delayed gratification	7.55 (7.24, 7.87)	7.59 (6.93, 8.25)	7.45 (6.57, 8.34)	7.76 (6.90, 8.61)	7.71 (7.55, 7.87)	7.79 (7.38, 8.20)	0.882
Hope	8.69 (8.43, 8.96)	7.47 (6.71, 8.23)	8.51 (7.70, 9.33)	8.74 (8.14, 9.35)	8.59 (8.46, 8.72)	8.59 (8.32, 8.86)	0.092
Gratitude	8.04 (7.74, 8.33)	7.37 (6.72, 8.02)	7.23 (6.21, 8.25)	8.12 (7.35, 8.89)	7.80 (7.64, 7.95)	7.90 (7.58, 8.23)	0.189
Love	8.75 (8.44, 9.06)	8.53 (8.09, 8.97)	8.33 (7.83, 8.83)	9.10 (8.66, 9.54)	8.50 (8.37, 8.63)	8.61 (8.30, 8.93)	0.042
Forgiveness	0.86 (0.82, 0.90)	0.82 (0.68, 0.96)	0.81 (0.66, 0.96)	0.87 (0.77, 0.97)	0.83 (0.81, 0.86)	0.85 (0.80, 0.91)	0.802
Charitable giving	0.25 (0.19, 0.30)	0.10 (0.03, 0.17)	0.28 (0.11, 0.45)	0.20 (0.10, 0.30)	0.18 (0.15, 0.20)	0.19 (0.12, 0.25)	0.047
Helping	0.59 (0.53, 0.65)	0.49 (0.35, 0.64)	0.58 (0.39, 0.77)	0.52 (0.38, 0.65)	0.58 (0.55, 0.62)	0.59 (0.50, 0.68)	0.803
Volunteering	0.25 (0.20, 0.31)	0.16 (0.07, 0.25)	0.32 (0.14, 0.50)	0.23 (0.11, 0.35)	0.25 (0.22, 0.28)	0.24 (0.18, 0.31)	0.444
<i>Physical health & health behavior</i>							
Self-rated physical health	6.96 (6.58, 7.34)	6.94 (6.31, 7.57)	7.13 (6.28, 7.99)	6.58 (5.72, 7.44)	7.79 (7.62, 7.96)	7.85 (7.46, 8.24)	< .001
Health limitations	0.27 (0.21, 0.32)	0.33 (0.19, 0.46)	0.22 (0.04, 0.40)	0.42 (0.29, 0.56)	0.18 (0.15, 0.21)	0.22 (0.16, 0.29)	< .001
Pain	0.35 (0.29, 0.41)	0.41 (0.26, 0.57)	0.37 (0.19, 0.55)	0.39 (0.26, 0.51)	0.25 (0.22, 0.28)	0.27 (0.20, 0.33)	0.004
Smoking	1.83 (1.28, 2.37)	3.36 (0.99, 5.74)	2.29 (0.72, 3.86)	0.57 (0.11, 1.03)	1.40 (1.13, 1.66)	2.82 (1.12, 4.53)	< .001
Drinking	1.87 (1.45, 2.29)	3.39 (2.34, 4.44)	2.63 (0.77, 4.50)	0.74 (0.27, 1.21)	2.44 (2.12, 2.75)	2.94 (2.25, 3.63)	< .001
Exercise	2.34 (1.96, 2.72)	2.74 (2.02, 3.47)	2.52 (1.40, 3.63)	2.13 (1.53, 2.73)	2.37 (2.23, 2.52)	2.08 (1.68, 2.47)	0.589
<i>Socioeconomic factors</i>							
Financial security	5.31 (4.92, 5.71)	4.99 (3.98, 6.00)	4.83 (3.79, 5.87)	5.33 (4.23, 6.43)	5.23 (5.03, 5.44)	5.03 (4.49, 5.56)	0.919
Material security	5.37 (4.96, 5.78)	6.05 (5.20, 6.91)	5.16 (3.85, 6.47)	5.80 (4.72, 6.88)	5.59 (5.38, 5.80)	5.43 (4.84, 6.02)	0.698
Years of education	0.07 (0.04, 0.10)	0.10 (0.02, 0.17)	0.10 (0.01, 0.19)	0.00 (0.00, 0.02)	0.07 (0.06, 0.09)	0.05 (0.02, 0.09)	< .001
Employment	0.41 (0.35, 0.48)	0.47 (0.32, 0.61)	0.67 (0.53, 0.82)	0.22 (0.11, 0.32)	0.34 (0.31, 0.38)	0.43 (0.35, 0.52)	< .001
Subjective financial wellbeing	0.54 (0.47, 0.60)	0.42 (0.26, 0.57)	0.45 (0.26, 0.65)	0.50 (0.37, 0.64)	0.49 (0.46, 0.52)	0.48 (0.40, 0.56)	0.676
Homeownership	0.79 (0.74, 0.84)	0.60 (0.45, 0.74)	0.64 (0.44, 0.83)	0.72 (0.59, 0.85)	0.70 (0.68, 0.73)	0.69 (0.62, 0.76)	0.025
<i>Religion/spirituality</i>							
Self-reported religion/spirituality	0.87 (0.83, 0.92)	0.83 (0.73, 0.93)	0.75 (0.57, 0.93)	0.93 (0.87, 0.99)	0.85 (0.83, 0.87)	0.74 (0.67, 0.81)	0.003
Frequency of religious service attendance	0.56 (0.49, 0.62)	0.30 (0.17, 0.43)	0.57 (0.37, 0.76)	0.66 (0.53, 0.78)	0.48 (0.46, 0.51)	0.38 (0.30, 0.46)	< .001
Life after death belief	0.63 (0.57, 0.69)	0.42 (0.27, 0.57)	0.47 (0.28, 0.67)	0.61 (0.47, 0.74)	0.51 (0.47, 0.54)	0.43 (0.35, 0.52)	< .001

Religious experience	0.57 (0.52, 0.63)	0.51 (0.35, 0.67)	0.68 (0.51, 0.86)	0.64 (0.51, 0.78)	0.61 (0.58, 0.64)	0.57 (0.49, 0.64)	0.359
Religious reading	0.37 (0.31, 0.43)	0.45 (0.31, 0.60)	0.60 (0.41, 0.79)	0.57 (0.45, 0.70)	0.31 (0.28, 0.34)	0.34 (0.26, 0.42)	< .001
Prayer/meditation	0.77 (0.72, 0.82)	0.70 (0.56, 0.85)	0.74 (0.56, 0.93)	0.87 (0.77, 0.96)	0.69 (0.67, 0.72)	0.61 (0.54, 0.69)	< .001
Belief in God or a spiritual force	0.98 (0.96, 1.00)	0.90 (0.78, 1.03)	0.92 (0.83, 1.00)	1.00 (0.99, 1.00)	0.95 (0.94, 0.96)	0.94 (0.90, 0.97)	< .001
Intrinsic religiosity	0.92 (0.88, 0.96)	0.76 (0.61, 0.91)	0.86 (0.67, 1.05)	0.94 (0.87, 1.02)	0.87 (0.85, 0.89)	0.87 (0.81, 0.94)	0.006
Religious comfort	0.92 (0.88, 0.96)	0.86 (0.73, 0.99)	0.94 (0.86, 1.02)	0.92 (0.84, 1.00)	0.93 (0.91, 0.95)	0.91 (0.86, 0.96)	0.658
Loved by God or a spiritual force	0.95 (0.92, 0.98)	0.90 (0.76, 1.04)	0.95 (0.88, 1.02)	0.97 (0.90, 1.04)	0.96 (0.95, 0.97)	0.95 (0.92, 0.99)	0.122
Spiritual punishment	0.38 (0.31, 0.44)	0.35 (0.20, 0.50)	0.34 (0.14, 0.55)	0.45 (0.31, 0.59)	0.52 (0.49, 0.56)	0.48 (0.40, 0.57)	< .001
Religious criticism	0.52 (0.45, 0.59)	0.42 (0.22, 0.61)	0.46 (0.25, 0.67)	0.49 (0.34, 0.63)	0.54 (0.51, 0.58)	0.52 (0.43, 0.61)	0.411
Evangelism	0.82 (0.77, 0.86)	0.75 (0.55, 0.94)	0.92 (0.73, 1.11)	0.80 (0.69, 0.91)	0.79 (0.76, 0.82)	0.75 (0.67, 0.82)	0.008
<i>Personality traits</i>							
Extraversion	4.04 (3.82, 4.27)	4.08 (3.48, 4.68)	3.63 (3.00, 4.25)	4.12 (3.67, 4.58)	4.21 (4.10, 4.32)	4.57 (4.31, 4.83)	0.003
Openness to experience	5.28 (5.07, 5.49)	5.55 (5.08, 6.02)	5.08 (4.66, 5.50)	4.91 (4.31, 5.50)	5.41 (5.30, 5.52)	5.42 (5.18, 5.67)	0.289
Agreeableness	5.64 (5.46, 5.82)	5.76 (5.32, 6.21)	5.61 (4.98, 6.24)	5.91 (5.55, 6.28)	5.62 (5.51, 5.73)	5.63 (5.41, 5.86)	0.633
Conscientiousness	6.03 (5.85, 6.21)	5.98 (5.50, 6.46)	6.17 (5.74, 6.60)	6.56 (6.34, 6.77)	6.07 (5.96, 6.18)	5.92 (5.69, 6.16)	0.001
Neuroticism	2.53 (2.32, 2.75)	2.59 (2.10, 3.09)	2.08 (1.59, 2.57)	2.48 (2.05, 2.91)	2.80 (2.70, 2.90)	2.68 (2.44, 2.92)	0.004
<i>Family factors</i>							
Number of children in household	1.94 (1.72, 2.17)	1.35 (0.93, 1.77)	1.49 (0.92, 2.07)	2.25 (1.64, 2.87)	1.94 (1.79, 2.10)	1.75 (1.50, 2.00)	0.036

Table S6. Variation in means/proportions (95% confidence intervals) for outcomes across employment categories

Outcome	Employment							Global <i>p</i> -value
	Employed for an employer	Self-employed	Retired	Student	Homemaker	Unemployed and looking for a job	None of these/other	
<i>Psychological wellbeing</i>								
Happiness	7.22 (6.99, 7.44)	6.85 (6.46, 7.23)	7.16 (6.44, 7.89)	7.16 (6.76, 7.55)	6.89 (6.26, 7.52)	6.74 (6.52, 6.95)	7.35 (6.04, 8.65)	0.057
Life satisfaction	6.73 (6.45, 7.01)	6.46 (6.11, 6.81)	6.57 (5.90, 7.25)	6.54 (6.09, 6.99)	6.18 (5.45, 6.90)	6.04 (5.82, 6.26)	6.59 (5.42, 7.76)	0.006
Life evaluation today	6.53 (6.25, 6.81)	6.13 (5.78, 6.48)	5.95 (5.25, 6.66)	6.37 (5.96, 6.78)	5.71 (4.95, 6.46)	5.89 (5.63, 6.15)	6.19 (4.83, 7.55)	0.019
Future life evaluation	7.87 (7.63, 8.12)	7.82 (7.51, 8.12)	6.90 (6.30, 7.50)	8.19 (7.92, 8.46)	7.60 (6.93, 8.28)	7.44 (7.23, 7.64)	7.07 (5.96, 8.19)	< .001
Optimism	8.14 (7.88, 8.39)	8.26 (7.96, 8.55)	8.21 (7.73, 8.69)	8.26 (7.92, 8.60)	7.64 (7.10, 8.18)	8.30 (8.12, 8.48)	8.46 (7.79, 9.13)	0.278
Freedom	7.93 (7.69, 8.18)	8.03 (7.70, 8.37)	7.71 (7.02, 8.40)	7.95 (7.62, 8.28)	7.79 (7.27, 8.31)	8.00 (7.83, 8.16)	8.70 (8.15, 9.25)	0.221
Peace	0.81 (0.77, 0.85)	0.80 (0.74, 0.85)	0.74 (0.64, 0.84)	0.76 (0.68, 0.85)	0.76 (0.66, 0.86)	0.83 (0.80, 0.86)	0.80 (0.65, 0.95)	0.458
Balance in life	0.74 (0.70, 0.79)	0.68 (0.63, 0.74)	0.76 (0.67, 0.85)	0.68 (0.60, 0.76)	0.63 (0.53, 0.73)	0.68 (0.65, 0.72)	0.72 (0.52, 0.91)	0.148
Mastery	0.87 (0.84, 0.90)	0.81 (0.76, 0.86)	0.87 (0.80, 0.94)	0.86 (0.80, 0.92)	0.82 (0.75, 0.89)	0.83 (0.80, 0.86)	0.93 (0.87, 0.99)	0.012
Meaning in life	7.04 (6.79, 7.30)	6.88 (6.50, 7.26)	6.59 (5.87, 7.32)	7.01 (6.54, 7.49)	6.60 (5.85, 7.35)	6.46 (6.26, 6.67)	6.41 (5.36, 7.47)	0.013
Sense of purpose	8.08 (7.85, 8.32)	8.18 (7.83, 8.52)	8.34 (7.79, 8.89)	7.88 (7.45, 8.31)	8.14 (7.59, 8.69)	7.93 (7.75, 8.11)	8.75 (8.18, 9.31)	0.112
Self-rated mental health	8.24 (8.00, 8.48)	8.27 (7.96, 8.59)	7.98 (7.27, 8.70)	8.04 (7.66, 8.41)	7.49 (6.72, 8.26)	8.20 (7.99, 8.40)	9.15 (8.73, 9.58)	< .001
<i>Social wellbeing</i>								
Subjective social connectedness	7.39 (7.19, 7.60)	7.48 (7.19, 7.76)	7.64 (6.98, 8.31)	7.19 (6.83, 7.55)	7.67 (7.12, 8.23)	7.27 (7.08, 7.45)	8.06 (7.50, 8.63)	0.119
Social support	7.30 (7.06, 7.54)	7.01 (6.59, 7.42)	7.81 (7.26, 8.35)	7.09 (6.54, 7.64)	7.32 (6.61, 8.04)	7.04 (6.83, 7.25)	7.26 (6.03, 8.48)	0.145
Intimate friend	0.86 (0.82, 0.91)	0.82 (0.77, 0.87)	0.83 (0.73, 0.92)	0.86 (0.80, 0.92)	0.79 (0.68, 0.90)	0.83 (0.80, 0.86)	0.73 (0.58, 0.88)	0.473
Government approval	0.34 (0.28, 0.40)	0.38 (0.32, 0.43)	0.42 (0.31, 0.53)	0.37 (0.30, 0.44)	0.42 (0.30, 0.53)	0.39 (0.35, 0.42)	0.51 (0.34, 0.67)	0.563
Political voice	0.58 (0.52, 0.64)	0.57 (0.49, 0.65)	0.60 (0.50, 0.70)	0.66 (0.57, 0.74)	0.62 (0.48, 0.75)	0.62 (0.58, 0.66)	0.67 (0.49, 0.84)	0.466
Belonging	7.58 (7.33, 7.84)	7.29 (6.88, 7.70)	7.55 (6.85, 8.25)	7.82 (7.39, 8.26)	8.24 (7.66, 8.82)	7.66 (7.47, 7.85)	8.63 (7.82, 9.44)	0.044
Place satisfaction	0.64 (0.58, 0.69)	0.62 (0.55, 0.68)	0.71 (0.61, 0.82)	0.68 (0.58, 0.77)	0.62 (0.50, 0.74)	0.58 (0.54, 0.62)	0.70 (0.51, 0.89)	0.076
Trust	0.11 (0.08, 0.15)	0.12 (0.08, 0.16)	0.11 (0.04, 0.17)	0.11 (0.05, 0.16)	0.12 (0.05, 0.19)	0.10 (0.08, 0.13)	0.06 (0.00, 0.18)	0.115
Community participation	0.26 (0.22, 0.31)	0.23 (0.18, 0.28)	0.19 (0.10, 0.28)	0.32 (0.23, 0.40)	0.20 (0.10, 0.30)	0.25 (0.21, 0.28)	0.23 (0.07, 0.39)	0.238
<i>Psychological distress</i>								
Traumatic distress	0.35 (0.30, 0.41)	0.36 (0.29, 0.42)	0.30 (0.20, 0.40)	0.28 (0.21, 0.36)	0.36 (0.25, 0.48)	0.36 (0.32, 0.39)	0.35 (0.17, 0.52)	0.585
Depression symptoms	0.32 (0.27, 0.38)	0.30 (0.24, 0.36)	0.23 (0.14, 0.32)	0.47 (0.39, 0.55)	0.26 (0.15, 0.36)	0.35 (0.31, 0.38)	0.20 (0.04, 0.37)	< .001
Anxiety symptoms	0.30 (0.25, 0.36)	0.27 (0.22, 0.33)	0.19 (0.11, 0.28)	0.39 (0.32, 0.46)	0.28 (0.18, 0.38)	0.31 (0.28, 0.35)	0.15 (0.03, 0.27)	0.002

Suffering	0.28 (0.23, 0.33)	0.22 (0.17, 0.27)	0.34 (0.24, 0.44)	0.32 (0.23, 0.40)	0.42 (0.30, 0.54)	0.31 (0.28, 0.34)	0.33 (0.14, 0.52)	0.012
<i>Social distress</i>								
Loneliness	3.37 (3.05, 3.69)	3.53 (3.15, 3.92)	3.65 (2.86, 4.44)	3.54 (3.06, 4.03)	4.19 (3.33, 5.06)	4.01 (3.80, 4.23)	1.75 (0.91, 2.60)	< .001
Discrimination	0.39 (0.34, 0.44)	0.38 (0.31, 0.44)	0.33 (0.22, 0.43)	0.38 (0.29, 0.46)	0.21 (0.13, 0.30)	0.40 (0.36, 0.44)	0.33 (0.13, 0.53)	0.002
<i>Character & prosocial behavior</i>								
Promoting good	7.81 (7.55, 8.07)	7.71 (7.37, 8.05)	7.73 (7.07, 8.38)	7.95 (7.60, 8.31)	7.62 (6.89, 8.36)	7.85 (7.68, 8.02)	8.37 (7.77, 8.98)	0.607
Delayed gratification	7.64 (7.37, 7.91)	7.59 (7.27, 7.92)	7.71 (7.07, 8.36)	7.97 (7.60, 8.34)	7.35 (6.73, 7.96)	7.72 (7.55, 7.90)	7.55 (6.46, 8.64)	0.663
Hope	8.63 (8.42, 8.84)	8.50 (8.20, 8.80)	8.65 (8.25, 9.06)	8.88 (8.62, 9.15)	8.44 (7.78, 9.10)	8.51 (8.34, 8.67)	8.93 (8.42, 9.44)	0.178
Gratitude	7.92 (7.67, 8.16)	8.13 (7.83, 8.42)	7.70 (6.98, 8.42)	7.94 (7.56, 8.32)	7.27 (6.64, 7.90)	7.79 (7.59, 7.99)	7.90 (6.91, 8.89)	0.310
Love	8.59 (8.40, 8.77)	8.44 (8.09, 8.80)	8.78 (8.32, 9.25)	8.67 (8.40, 8.95)	8.64 (8.21, 9.08)	8.54 (8.38, 8.71)	9.12 (8.65, 9.58)	0.312
Forgivingness	0.81 (0.77, 0.85)	0.86 (0.81, 0.90)	0.90 (0.83, 0.96)	0.81 (0.73, 0.89)	0.82 (0.73, 0.92)	0.84 (0.82, 0.87)	0.94 (0.88, 1.00)	0.002
Charitable giving	0.21 (0.17, 0.25)	0.22 (0.17, 0.28)	0.23 (0.14, 0.32)	0.18 (0.12, 0.24)	0.20 (0.12, 0.28)	0.18 (0.15, 0.21)	0.05 (0.00, 0.11)	< .001
Helping	0.51 (0.45, 0.57)	0.68 (0.62, 0.74)	0.61 (0.49, 0.72)	0.56 (0.45, 0.67)	0.52 (0.41, 0.63)	0.58 (0.54, 0.62)	0.55 (0.39, 0.71)	0.003
Volunteering	0.20 (0.16, 0.24)	0.30 (0.24, 0.36)	0.22 (0.13, 0.32)	0.21 (0.15, 0.27)	0.24 (0.15, 0.33)	0.27 (0.24, 0.30)	0.25 (0.09, 0.41)	0.070
<i>Physical health & health behavior</i>								
Self-rated physical health	7.83 (7.59, 8.07)	7.67 (7.29, 8.05)	6.00 (5.25, 6.76)	8.15 (7.77, 8.53)	6.55 (5.81, 7.30)	7.73 (7.55, 7.91)	6.65 (5.25, 8.05)	< .001
Health limitations	0.19 (0.14, 0.23)	0.16 (0.12, 0.21)	0.46 (0.35, 0.58)	0.16 (0.09, 0.24)	0.38 (0.28, 0.48)	0.19 (0.15, 0.22)	0.31 (0.14, 0.48)	< .001
Pain	0.27 (0.22, 0.31)	0.27 (0.22, 0.33)	0.40 (0.30, 0.50)	0.26 (0.19, 0.34)	0.44 (0.33, 0.56)	0.25 (0.23, 0.28)	0.33 (0.15, 0.52)	0.008
Smoking	1.97 (1.44, 2.50)	2.08 (1.40, 2.76)	0.95 (0.45, 1.45)	1.05 (0.42, 1.67)	1.05 (0.32, 1.78)	1.67 (1.15, 2.19)	1.99 (0.00, 4.54)	0.001
Drinking	3.23 (2.70, 3.76)	2.33 (1.88, 2.79)	0.72 (0.32, 1.12)	3.00 (1.73, 4.28)	1.06 (0.25, 1.87)	2.32 (1.98, 2.66)	0.81 (0.24, 1.38)	< .001
Exercise	2.15 (1.90, 2.40)	2.47 (2.15, 2.79)	2.48 (1.89, 3.08)	2.56 (2.20, 2.92)	1.77 (1.26, 2.29)	2.38 (2.19, 2.57)	2.41 (1.56, 3.27)	0.064
<i>Socioeconomic factors</i>								
Financial security	5.60 (5.30, 5.90)	5.09 (4.64, 5.54)	5.25 (4.47, 6.03)	5.62 (5.20, 6.03)	4.91 (4.10, 5.71)	4.93 (4.67, 5.19)	6.36 (5.14, 7.57)	0.003
Material security	5.86 (5.47, 6.24)	5.58 (5.13, 6.02)	4.82 (4.07, 5.56)	5.99 (5.48, 6.49)	6.01 (5.11, 6.91)	5.22 (4.96, 5.49)	7.74 (6.63, 8.84)	< .001
Years of education	0.14 (0.10, 0.17)	0.10 (0.07, 0.13)	0.01 (0.00, 0.03)	0.06 (0.02, 0.09)	0.00 *	0.05 (0.04, 0.06)	0.00 *	< .001
Subjective financial wellbeing	0.53 (0.48, 0.58)	0.50 (0.44, 0.57)	0.51 (0.39, 0.63)	0.61 (0.53, 0.69)	0.46 (0.35, 0.58)	0.44 (0.40, 0.48)	0.61 (0.43, 0.80)	0.004
Homeownership	0.68 (0.63, 0.73)	0.63 (0.57, 0.70)	0.86 (0.79, 0.94)	0.62 (0.54, 0.71)	0.86 (0.78, 0.93)	0.73 (0.69, 0.76)	0.82 (0.66, 0.98)	< .001
<i>Religion/spirituality</i>								
Self-reported religion/spirituality	0.81 (0.76, 0.85)	0.82 (0.77, 0.87)	0.91 (0.85, 0.97)	0.89 (0.85, 0.94)	0.91 (0.86, 0.96)	0.84 (0.82, 0.87)	0.90 (0.81, 1.00)	0.007
Frequency of religious service attendance	0.42 (0.37, 0.48)	0.45 (0.39, 0.52)	0.61 (0.51, 0.72)	0.48 (0.40, 0.57)	0.66 (0.55, 0.78)	0.49 (0.45, 0.53)	0.67 (0.51, 0.84)	< .001
Life after death belief	0.52 (0.45, 0.58)	0.54 (0.48, 0.60)	0.64 (0.53, 0.75)	0.49 (0.38, 0.60)	0.50 (0.38, 0.61)	0.51 (0.47, 0.55)	0.63 (0.43, 0.82)	0.212

Religious experience	0.57 (0.51, 0.63)	0.56 (0.50, 0.62)	0.67 (0.55, 0.78)	0.59 (0.50, 0.69)	0.71 (0.61, 0.81)	0.59 (0.55, 0.63)	0.79 (0.65, 0.94)	0.004
Religious reading	0.32 (0.27, 0.36)	0.33 (0.27, 0.39)	0.50 (0.39, 0.60)	0.30 (0.22, 0.39)	0.43 (0.31, 0.55)	0.34 (0.31, 0.38)	0.26 (0.08, 0.43)	0.078
Prayer/meditation	0.65 (0.60, 0.70)	0.69 (0.63, 0.74)	0.84 (0.75, 0.93)	0.67 (0.59, 0.76)	0.89 (0.83, 0.95)	0.70 (0.66, 0.73)	0.87 (0.77, 0.97)	< .001
Belief in God or a spiritual force	0.94 (0.92, 0.96)	0.94 (0.90, 0.97)	1.00 *	0.96 (0.92, 0.99)	0.98 (0.95, 1.00)	0.96 (0.95, 0.97)	0.98 (0.96, 1.01)	< .001
Intrinsic religiosity	0.87 (0.83, 0.91)	0.84 (0.80, 0.89)	0.95 (0.90, 1.01)	0.86 (0.80, 0.93)	0.94 (0.88, 0.99)	0.88 (0.86, 0.90)	0.85 (0.70, 0.99)	0.007
Religious comfort	0.90 (0.87, 0.94)	0.88 (0.83, 0.93)	0.95 (0.89, 1.00)	0.96 (0.93, 0.99)	0.96 (0.93, 1.00)	0.93 (0.91, 0.95)	0.93 (0.81, 1.06)	0.006
Loved by God or a spiritual force	0.95 (0.92, 0.97)	0.94 (0.90, 0.99)	0.95 (0.89, 1.00)	0.96 (0.93, 0.99)	0.99 (0.97, 1.01)	0.96 (0.95, 0.98)	1.00 (0.97, 1.02)	< .001
Spiritual punishment	0.46 (0.41, 0.52)	0.47 (0.40, 0.55)	0.44 (0.31, 0.57)	0.51 (0.42, 0.60)	0.43 (0.29, 0.58)	0.50 (0.46, 0.53)	0.43 (0.22, 0.63)	0.660
Religious criticism	0.54 (0.48, 0.60)	0.55 (0.48, 0.63)	0.42 (0.29, 0.56)	0.54 (0.45, 0.63)	0.43 (0.30, 0.55)	0.55 (0.51, 0.59)	0.56 (0.36, 0.77)	0.190
Evangelism	0.79 (0.74, 0.83)	0.83 (0.78, 0.87)	0.81 (0.72, 0.90)	0.80 (0.74, 0.87)	0.79 (0.70, 0.89)	0.78 (0.75, 0.81)	0.75 (0.60, 0.90)	0.696
<i>Personality traits</i>								
Extraversion	4.27 (4.09, 4.45)	4.08 (3.87, 4.30)	4.21 (3.81, 4.61)	4.30 (4.01, 4.59)	4.24 (3.96, 4.53)	4.20 (4.06, 4.34)	3.59 (2.93, 4.25)	0.503
Openness to experience	5.52 (5.34, 5.70)	5.53 (5.32, 5.74)	4.56 (4.11, 5.00)	5.63 (5.39, 5.88)	5.14 (4.73, 5.54)	5.40 (5.27, 5.54)	4.86 (4.29, 5.43)	< .001
Agreeableness	5.66 (5.50, 5.81)	5.59 (5.40, 5.78)	5.71 (5.38, 6.04)	5.42 (5.16, 5.68)	5.97 (5.65, 6.29)	5.62 (5.49, 5.75)	5.92 (5.50, 6.34)	0.127
Conscientiousness	6.11 (5.91, 6.30)	5.97 (5.77, 6.18)	6.28 (6.00, 6.55)	6.11 (5.82, 6.41)	5.99 (5.68, 6.31)	6.05 (5.95, 6.16)	5.87 (5.31, 6.42)	0.657
Neuroticism	2.64 (2.47, 2.80)	2.55 (2.36, 2.75)	2.46 (2.09, 2.84)	2.93 (2.67, 3.19)	2.94 (2.60, 3.28)	2.77 (2.65, 2.90)	2.60 (2.09, 3.11)	0.055
<i>Family factors</i>								
Ever married	0.32 (0.27, 0.36)	0.35 (0.28, 0.42)	0.73 (0.63, 0.83)	0.04 (0.01, 0.07)	0.47 (0.34, 0.61)	0.19 (0.16, 0.23)	0.46 (0.28, 0.63)	< .001
Currently divorced	0.03 (0.01, 0.05)	0.04 (0.01, 0.06)	0.03 (0.01, 0.05)	0.00 *	0.02 (0.00, 0.04)	0.01 (0.00, 0.01)	0.00 *	0.773
Number of children in household	1.66 (1.48, 1.85)	1.59 (1.37, 1.81)	1.84 (1.39, 2.29)	1.37 (1.09, 1.66)	3.11 (2.47, 3.76)	2.12 (1.97, 2.26)	2.41 (1.31, 3.51)	< .001

Note. *95% confidence interval not estimable based on the observed data.

Table S7. Variation in means/proportions (95% confidence intervals) for outcomes across years of education categories

Outcome	Years of education			Global <i>p</i> -value
	Up to 8 years	9-15 years	16+ years	
<i>Psychological wellbeing</i>				
Happiness	6.87 (6.45, 7.29)	6.98 (6.83, 7.12)	7.05 (6.63, 7.46)	0.827
Life satisfaction	6.55 (6.14, 6.96)	6.28 (6.13, 6.44)	6.47 (6.04, 6.89)	0.385
Life evaluation today	5.88 (5.37, 6.38)	6.16 (6.01, 6.31)	6.42 (6.01, 6.84)	0.247
Future life evaluation	7.06 (6.66, 7.46)	7.73 (7.61, 7.86)	8.24 (7.96, 8.52)	< .001
Optimism	8.18 (7.87, 8.49)	8.21 (8.09, 8.33)	8.39 (8.09, 8.69)	0.531
Freedom	7.99 (7.65, 8.32)	7.93 (7.80, 8.06)	8.24 (7.95, 8.53)	0.144
Peace	0.80 (0.75, 0.86)	0.80 (0.78, 0.83)	0.79 (0.73, 0.86)	0.966
Balance in life	0.72 (0.66, 0.78)	0.69 (0.67, 0.72)	0.72 (0.66, 0.79)	0.625
Mastery	0.85 (0.80, 0.89)	0.84 (0.82, 0.86)	0.89 (0.84, 0.93)	0.239
Meaning in life	6.56 (6.16, 6.96)	6.72 (6.56, 6.88)	7.25 (6.85, 7.64)	0.029
Sense of purpose	8.27 (7.98, 8.56)	7.99 (7.86, 8.11)	8.12 (7.76, 8.49)	0.169
Self-rated mental health	7.97 (7.56, 8.37)	8.25 (8.13, 8.37)	8.21 (7.87, 8.54)	0.401
<i>Social wellbeing</i>				
Subjective social connectedness	7.67 (7.35, 7.99)	7.29 (7.17, 7.41)	7.46 (7.13, 7.79)	0.063
Social support	7.50 (7.15, 7.85)	7.10 (6.96, 7.24)	6.88 (6.43, 7.33)	0.057
Intimate friend	0.78 (0.72, 0.83)	0.85 (0.83, 0.87)	0.88 (0.84, 0.93)	0.007
Government approval	0.44 (0.37, 0.50)	0.36 (0.34, 0.39)	0.37 (0.29, 0.45)	0.118
Political voice	0.60 (0.53, 0.67)	0.61 (0.58, 0.65)	0.59 (0.50, 0.68)	0.710
Belonging	7.79 (7.40, 8.18)	7.61 (7.46, 7.75)	7.51 (7.11, 7.90)	0.573
Place satisfaction	0.66 (0.59, 0.73)	0.61 (0.58, 0.64)	0.62 (0.54, 0.69)	0.332
Trust	0.11 (0.06, 0.15)	0.11 (0.09, 0.12)	0.11 (0.06, 0.16)	0.918
Community participation	0.20 (0.14, 0.25)	0.26 (0.24, 0.29)	0.25 (0.17, 0.32)	0.078
<i>Psychological distress</i>				
Traumatic distress	0.33 (0.27, 0.39)	0.35 (0.32, 0.38)	0.37 (0.29, 0.44)	0.752
Depression symptoms	0.24 (0.18, 0.30)	0.36 (0.33, 0.39)	0.31 (0.24, 0.37)	< .001

Anxiety symptoms	0.21 (0.16, 0.27)	0.32 (0.29, 0.35)	0.31 (0.24, 0.39)	< .001
Suffering	0.34 (0.28, 0.40)	0.28 (0.26, 0.31)	0.31 (0.24, 0.38)	0.252
<i>Social distress</i>				
Loneliness	3.49 (3.06, 3.93)	3.73 (3.57, 3.90)	3.78 (3.35, 4.21)	0.570
Discrimination	0.35 (0.28, 0.43)	0.38 (0.36, 0.41)	0.36 (0.28, 0.43)	0.615
<i>Character & prosocial behavior</i>				
Promoting good	7.88 (7.52, 8.24)	7.78 (7.65, 7.91)	8.00 (7.68, 8.31)	0.414
Delayed gratification	7.72 (7.33, 8.10)	7.65 (7.52, 7.78)	7.82 (7.44, 8.19)	0.680
Hope	8.56 (8.28, 8.84)	8.59 (8.47, 8.70)	8.66 (8.37, 8.95)	0.868
Gratitude	7.85 (7.48, 8.21)	7.84 (7.71, 7.98)	7.91 (7.60, 8.22)	0.923
Love	8.74 (8.46, 9.02)	8.54 (8.41, 8.67)	8.55 (8.28, 8.82)	0.402
Forgivingness	0.87 (0.82, 0.92)	0.83 (0.81, 0.85)	0.83 (0.77, 0.90)	0.396
Charitable giving	0.18 (0.13, 0.22)	0.19 (0.17, 0.21)	0.30 (0.22, 0.38)	0.018
Helping	0.60 (0.53, 0.66)	0.56 (0.53, 0.60)	0.66 (0.59, 0.74)	0.045
Volunteering	0.22 (0.16, 0.28)	0.25 (0.22, 0.27)	0.37 (0.30, 0.44)	0.003
<i>Physical health & health behavior</i>				
Self-rated physical health	6.63 (6.18, 7.07)	7.80 (7.67, 7.93)	8.14 (7.80, 8.48)	< .001
Health limitations	0.33 (0.27, 0.40)	0.19 (0.16, 0.21)	0.14 (0.08, 0.20)	< .001
Pain	0.37 (0.30, 0.43)	0.26 (0.24, 0.28)	0.25 (0.18, 0.31)	0.005
Smoking	1.66 (0.60, 2.71)	1.68 (1.41, 1.95)	1.50 (0.83, 2.17)	0.881
Drinking	1.34 (0.91, 1.78)	2.63 (2.34, 2.92)	2.81 (2.12, 3.50)	< .001
Exercise	2.20 (1.85, 2.55)	2.36 (2.22, 2.49)	2.64 (2.28, 3.01)	0.221
<i>Socioeconomic factors</i>				
Financial security	5.31 (4.90, 5.71)	5.18 (5.00, 5.36)	5.27 (4.83, 5.70)	0.812
Material security	5.55 (5.10, 5.99)	5.53 (5.35, 5.72)	5.67 (5.22, 6.12)	0.860
Employment	0.27 (0.20, 0.33)	0.38 (0.35, 0.41)	0.64 (0.56, 0.72)	< .001
Subjective financial wellbeing	0.53 (0.47, 0.60)	0.48 (0.46, 0.51)	0.48 (0.41, 0.56)	0.358
Homeownership	0.79 (0.74, 0.85)	0.69 (0.66, 0.72)	0.69 (0.61, 0.77)	0.004
<i>Religion/spirituality</i>				

Self-reported religion/spirituality	0.91 (0.87, 0.94)	0.82 (0.80, 0.84)	0.85 (0.80, 0.91)	< .001
Frequency of religious service attendance	0.60 (0.54, 0.67)	0.46 (0.44, 0.49)	0.40 (0.33, 0.46)	< .001
Life after death belief	0.59 (0.52, 0.66)	0.51 (0.48, 0.54)	0.48 (0.40, 0.56)	0.104
Religious experience	0.61 (0.55, 0.68)	0.59 (0.56, 0.62)	0.66 (0.58, 0.73)	0.187
Religious reading	0.39 (0.31, 0.46)	0.34 (0.31, 0.36)	0.33 (0.25, 0.42)	0.438
Prayer/meditation	0.79 (0.74, 0.84)	0.69 (0.66, 0.71)	0.69 (0.61, 0.76)	0.003
Belief in God or a spiritual force	0.98 (0.96, 1.00)	0.95 (0.94, 0.96)	0.94 (0.90, 0.98)	0.045
Intrinsic religiosity	0.90 (0.86, 0.95)	0.88 (0.86, 0.90)	0.82 (0.76, 0.89)	0.093
Religious comfort	0.93 (0.89, 0.97)	0.92 (0.91, 0.93)	0.94 (0.90, 0.98)	0.545
Loved by God or a spiritual force	0.97 (0.94, 1.00)	0.95 (0.94, 0.96)	0.95 (0.91, 0.99)	0.188
Spiritual punishment	0.46 (0.38, 0.53)	0.49 (0.46, 0.52)	0.39 (0.29, 0.50)	0.020
Religious criticism	0.51 (0.44, 0.58)	0.54 (0.51, 0.56)	0.51 (0.41, 0.62)	0.475
Evangelism	0.80 (0.75, 0.86)	0.79 (0.76, 0.82)	0.78 (0.71, 0.85)	0.760
<i>Personality traits</i>				
Extraversion	4.16 (3.90, 4.41)	4.20 (4.11, 4.29)	4.26 (4.02, 4.49)	0.852
Openness to experience	4.84 (4.61, 5.08)	5.51 (5.43, 5.60)	5.71 (5.45, 5.98)	< .001
Agreeableness	5.74 (5.56, 5.92)	5.64 (5.54, 5.73)	5.37 (5.15, 5.59)	0.029
Conscientiousness	6.06 (5.88, 6.23)	6.06 (5.95, 6.16)	6.26 (6.08, 6.44)	0.102
Neuroticism	2.75 (2.55, 2.96)	2.70 (2.60, 2.80)	2.50 (2.29, 2.71)	0.172
<i>Family factors</i>				
Ever married	0.51 (0.44, 0.58)	0.23 (0.21, 0.26)	0.28 (0.20, 0.36)	< .001
Currently divorced	0.02 (0.00, 0.03)	0.02 (0.01, 0.03)	0.03 (0.00, 0.05)	0.649
Number of children in household	2.17 (1.89, 2.45)	1.81 (1.70, 1.92)	2.04 (1.71, 2.37)	0.030

Table S8. Variation in means/proportions (95% confidence intervals) for outcomes across frequency of religious service attendance categories

Outcome	Frequency of religious service attendance					Global p-value
	> 1/week	1/week	1-3/month	A few times a year	Never	
<i>Psychological wellbeing</i>						
Happiness	7.34 (6.98, 7.70)	7.01 (6.76, 7.26)	6.89 (6.55, 7.23)	6.61 (6.29, 6.94)	6.87 (6.51, 7.24)	0.048
Life satisfaction	6.60 (6.20, 7.00)	6.61 (6.36, 6.86)	6.34 (6.04, 6.65)	6.03 (5.69, 6.37)	5.89 (5.42, 6.35)	0.016
Life evaluation today	5.99 (5.58, 6.41)	6.22 (5.93, 6.51)	5.87 (5.54, 6.20)	6.43 (6.16, 6.69)	5.95 (5.52, 6.38)	0.049
Future life evaluation	7.47 (7.06, 7.87)	7.60 (7.35, 7.84)	7.51 (7.21, 7.80)	7.74 (7.44, 8.03)	7.74 (7.38, 8.10)	0.651
Optimism	8.15 (7.81, 8.49)	8.14 (7.93, 8.35)	8.28 (8.06, 8.49)	8.25 (7.97, 8.53)	8.37 (8.08, 8.66)	0.744
Freedom	8.05 (7.68, 8.42)	8.09 (7.90, 8.27)	8.05 (7.79, 8.30)	7.63 (7.33, 7.93)	7.85 (7.50, 8.21)	0.100
Peace	0.83 (0.77, 0.88)	0.83 (0.79, 0.86)	0.80 (0.76, 0.85)	0.75 (0.70, 0.80)	0.77 (0.71, 0.83)	0.139
Balance in life	0.69 (0.63, 0.75)	0.72 (0.69, 0.76)	0.72 (0.67, 0.77)	0.68 (0.63, 0.74)	0.66 (0.60, 0.72)	0.455
Mastery	0.86 (0.81, 0.90)	0.87 (0.85, 0.90)	0.85 (0.81, 0.89)	0.83 (0.78, 0.87)	0.77 (0.71, 0.82)	0.010
Meaning in life	6.89 (6.46, 7.32)	6.94 (6.72, 7.17)	6.51 (6.18, 6.85)	6.72 (6.42, 7.02)	6.21 (5.73, 6.69)	0.057
Sense of purpose	8.21 (7.85, 8.56)	8.11 (7.91, 8.32)	8.14 (7.89, 8.38)	8.01 (7.72, 8.29)	7.74 (7.39, 8.10)	0.334
Self-rated mental health	8.49 (8.16, 8.82)	8.17 (7.93, 8.40)	8.26 (8.00, 8.51)	7.94 (7.65, 8.22)	7.99 (7.57, 8.40)	0.111
<i>Social wellbeing</i>						
Subjective social connectedness	7.88 (7.58, 8.19)	7.42 (7.22, 7.62)	7.40 (7.17, 7.62)	7.09 (6.84, 7.34)	7.12 (6.76, 7.48)	0.001
Social support	7.47 (7.05, 7.89)	7.27 (7.03, 7.50)	7.36 (7.09, 7.64)	6.85 (6.48, 7.22)	6.75 (6.31, 7.19)	0.038
Intimate friend	0.83 (0.78, 0.88)	0.85 (0.82, 0.88)	0.86 (0.82, 0.90)	0.81 (0.76, 0.86)	0.78 (0.72, 0.84)	0.202
Government approval	0.44 (0.37, 0.50)	0.42 (0.37, 0.46)	0.38 (0.33, 0.43)	0.27 (0.22, 0.33)	0.38 (0.30, 0.45)	< .001
Political voice	0.70 (0.63, 0.76)	0.63 (0.58, 0.68)	0.63 (0.58, 0.69)	0.52 (0.44, 0.59)	0.51 (0.42, 0.59)	< .001
Belonging	7.96 (7.64, 8.28)	7.64 (7.41, 7.87)	7.95 (7.70, 8.19)	7.17 (6.83, 7.51)	7.37 (6.96, 7.78)	< .001
Place satisfaction	0.66 (0.60, 0.73)	0.66 (0.61, 0.70)	0.61 (0.55, 0.67)	0.58 (0.51, 0.64)	0.58 (0.50, 0.65)	0.050
Trust	0.17 (0.11, 0.23)	0.11 (0.08, 0.14)	0.10 (0.07, 0.13)	0.09 (0.06, 0.13)	0.06 (0.03, 0.10)	0.021
Community participation	0.34 (0.27, 0.40)	0.28 (0.24, 0.31)	0.21 (0.17, 0.26)	0.16 (0.12, 0.20)	0.20 (0.14, 0.26)	< .001
<i>Psychological distress</i>						
Traumatic distress	0.38 (0.32, 0.45)	0.36 (0.31, 0.40)	0.33 (0.28, 0.39)	0.31 (0.25, 0.37)	0.34 (0.27, 0.41)	0.462
Depression symptoms	0.34 (0.27, 0.40)	0.31 (0.27, 0.35)	0.34 (0.28, 0.39)	0.34 (0.29, 0.39)	0.31 (0.24, 0.38)	0.816
Anxiety symptoms	0.27 (0.21, 0.33)	0.28 (0.24, 0.32)	0.30 (0.25, 0.35)	0.33 (0.27, 0.38)	0.31 (0.24, 0.37)	0.508
Suffering	0.37 (0.31, 0.44)	0.26 (0.22, 0.30)	0.29 (0.24, 0.33)	0.32 (0.27, 0.38)	0.31 (0.24, 0.37)	0.029

<i>Social distress</i>						
Loneliness	3.33 (2.88, 3.78)	3.65 (3.41, 3.88)	3.73 (3.41, 4.04)	3.93 (3.58, 4.28)	3.77 (3.32, 4.22)	0.332
Discrimination	0.41 (0.34, 0.48)	0.36 (0.31, 0.40)	0.38 (0.33, 0.44)	0.37 (0.30, 0.43)	0.37 (0.30, 0.44)	0.780
<i>Character & prosocial behavior</i>						
Promoting good	8.01 (7.67, 8.35)	7.90 (7.70, 8.11)	7.80 (7.55, 8.05)	7.55 (7.23, 7.87)	7.71 (7.34, 8.09)	0.256
Delayed gratification	7.95 (7.60, 8.29)	7.74 (7.52, 7.95)	7.71 (7.50, 7.93)	7.46 (7.15, 7.77)	7.42 (6.97, 7.87)	0.182
Hope	8.87 (8.61, 9.13)	8.50 (8.31, 8.70)	8.66 (8.44, 8.87)	8.53 (8.27, 8.79)	8.39 (8.06, 8.72)	0.083
Gratitude	8.15 (7.82, 8.48)	7.79 (7.55, 8.04)	7.87 (7.62, 8.12)	7.78 (7.47, 8.08)	7.68 (7.34, 8.01)	0.296
Love	8.75 (8.46, 9.03)	8.64 (8.46, 8.82)	8.63 (8.43, 8.84)	8.30 (8.01, 8.59)	8.56 (8.29, 8.83)	0.202
Forgivingness	0.91 (0.87, 0.95)	0.86 (0.83, 0.89)	0.82 (0.77, 0.86)	0.83 (0.79, 0.87)	0.76 (0.70, 0.82)	< .001
Charitable giving	0.23 (0.18, 0.28)	0.18 (0.15, 0.22)	0.20 (0.16, 0.24)	0.21 (0.16, 0.26)	0.15 (0.10, 0.19)	0.097
Helping	0.62 (0.56, 0.68)	0.56 (0.51, 0.60)	0.62 (0.57, 0.67)	0.56 (0.49, 0.62)	0.55 (0.48, 0.62)	0.100
Volunteering	0.27 (0.20, 0.33)	0.27 (0.23, 0.31)	0.25 (0.21, 0.29)	0.24 (0.19, 0.29)	0.18 (0.12, 0.23)	0.069
<i>Physical health & health behavior</i>						
Self-rated physical health	7.49 (7.08, 7.90)	7.69 (7.45, 7.92)	7.43 (7.13, 7.73)	7.41 (7.09, 7.74)	7.45 (7.00, 7.90)	0.548
Health limitations	0.29 (0.23, 0.36)	0.20 (0.16, 0.23)	0.25 (0.20, 0.30)	0.17 (0.12, 0.22)	0.20 (0.14, 0.26)	0.009
Pain	0.37 (0.31, 0.43)	0.28 (0.24, 0.32)	0.27 (0.22, 0.32)	0.26 (0.21, 0.31)	0.24 (0.18, 0.31)	0.015
Smoking	0.94 (0.56, 1.31)	1.55 (0.78, 2.32)	1.35 (1.00, 1.70)	2.06 (1.56, 2.55)	2.89 (2.07, 3.70)	< .001
Drinking	1.20 (0.83, 1.58)	1.78 (1.43, 2.14)	2.68 (2.14, 3.22)	2.94 (2.36, 3.53)	3.69 (2.96, 4.43)	< .001
Exercise	2.53 (2.20, 2.85)	2.52 (2.31, 2.73)	2.23 (1.97, 2.50)	2.15 (1.88, 2.42)	2.03 (1.68, 2.39)	0.061
<i>Socioeconomic factors</i>						
Financial security	5.30 (4.81, 5.79)	5.26 (4.98, 5.54)	5.48 (5.14, 5.83)	4.94 (4.57, 5.30)	4.92 (4.44, 5.39)	0.143
Material security	5.51 (5.02, 6.01)	5.51 (5.23, 5.80)	5.86 (5.47, 6.25)	5.43 (5.04, 5.82)	5.28 (4.76, 5.81)	0.430
Years of education	0.05 (0.03, 0.08)	0.06 (0.04, 0.07)	0.08 (0.05, 0.10)	0.11 (0.07, 0.14)	0.06 (0.03, 0.09)	0.023
Employment	0.33 (0.27, 0.40)	0.32 (0.28, 0.37)	0.38 (0.32, 0.43)	0.47 (0.41, 0.53)	0.40 (0.33, 0.47)	0.001
Subjective financial wellbeing	0.50 (0.43, 0.57)	0.52 (0.47, 0.56)	0.49 (0.44, 0.54)	0.49 (0.43, 0.55)	0.45 (0.38, 0.53)	0.714
Homeownership	0.77 (0.71, 0.83)	0.73 (0.69, 0.77)	0.72 (0.67, 0.77)	0.68 (0.63, 0.73)	0.67 (0.60, 0.74)	0.108
<i>Religion/spirituality</i>						
Self-reported religion/spirituality	0.93 (0.89, 0.97)	0.92 (0.90, 0.94)	0.87 (0.83, 0.92)	0.75 (0.70, 0.80)	0.63 (0.56, 0.69)	< .001
Life after death belief	0.60 (0.53, 0.67)	0.56 (0.52, 0.61)	0.49 (0.43, 0.56)	0.46 (0.40, 0.52)	0.48 (0.41, 0.55)	0.007
Religious experience	0.73 (0.66, 0.79)	0.67 (0.63, 0.71)	0.60 (0.55, 0.66)	0.51 (0.45, 0.57)	0.37 (0.30, 0.44)	< .001
Religious reading	0.53 (0.46, 0.59)	0.41 (0.36, 0.45)	0.36 (0.31, 0.42)	0.18 (0.14, 0.23)	0.17 (0.12, 0.21)	< .001

Prayer/meditation	0.88 (0.83, 0.93)	0.82 (0.79, 0.85)	0.70 (0.65, 0.76)	0.56 (0.50, 0.61)	0.43 (0.36, 0.50)	< .001
Belief in God or a spiritual force	0.99 (0.98, 1.00)	0.98 (0.97, 0.99)	0.96 (0.94, 0.98)	0.94 (0.91, 0.96)	0.86 (0.82, 0.91)	< .001
Intrinsic religiosity	0.92 (0.88, 0.96)	0.93 (0.91, 0.95)	0.88 (0.84, 0.91)	0.84 (0.79, 0.88)	0.75 (0.67, 0.84)	< .001
Religious comfort	0.96 (0.93, 0.99)	0.97 (0.95, 0.98)	0.92 (0.88, 0.96)	0.89 (0.84, 0.93)	0.81 (0.75, 0.87)	< .001
Loved by God or a spiritual force	0.98 (0.95, 1.00)	0.98 (0.98, 0.99)	0.96 (0.94, 0.98)	0.93 (0.89, 0.96)	0.88 (0.83, 0.93)	< .001
Spiritual punishment	0.46 (0.37, 0.54)	0.48 (0.43, 0.53)	0.46 (0.41, 0.52)	0.50 (0.44, 0.57)	0.48 (0.40, 0.57)	0.720
Religious criticism	0.53 (0.43, 0.63)	0.53 (0.48, 0.58)	0.53 (0.48, 0.59)	0.53 (0.45, 0.60)	0.52 (0.44, 0.61)	0.907
Evangelism	0.91 (0.87, 0.95)	0.85 (0.82, 0.89)	0.81 (0.77, 0.85)	0.70 (0.64, 0.77)	0.57 (0.49, 0.65)	< .001
<i>Personality traits</i>						
Extraversion	4.14 (3.94, 4.35)	4.20 (4.03, 4.36)	4.36 (4.18, 4.53)	4.12 (3.90, 4.34)	4.05 (3.81, 4.30)	0.245
Openness to experience	5.44 (5.20, 5.68)	5.32 (5.17, 5.47)	5.43 (5.28, 5.59)	5.39 (5.19, 5.60)	5.18 (4.96, 5.40)	0.279
Agreeableness	5.73 (5.54, 5.93)	5.69 (5.55, 5.83)	5.63 (5.48, 5.78)	5.57 (5.40, 5.75)	5.54 (5.32, 5.76)	0.593
Conscientiousness	6.19 (6.04, 6.34)	6.15 (6.04, 6.27)	6.12 (5.97, 6.26)	5.98 (5.78, 6.18)	5.74 (5.50, 5.97)	0.005
Neuroticism	2.55 (2.36, 2.74)	2.76 (2.60, 2.91)	2.62 (2.46, 2.77)	2.69 (2.52, 2.86)	2.87 (2.63, 3.11)	0.252
<i>Family factors</i>						
Ever married	0.39 (0.32, 0.46)	0.31 (0.27, 0.36)	0.32 (0.27, 0.36)	0.22 (0.17, 0.28)	0.26 (0.18, 0.33)	0.003
Currently divorced	0.02 (0.01, 0.03)	0.02 (0.01, 0.03)	0.02 (0.00, 0.05)	0.01 (0.00, 0.02)	0.01 (0.00, 0.02)	0.348
Number of children in household	2.08 (1.81, 2.34)	2.01 (1.84, 2.18)	1.93 (1.73, 2.14)	1.73 (1.47, 1.99)	1.67 (1.29, 2.04)	0.103

Table S9. Variation in means/proportions (95% confidence intervals) for outcomes across immigration status categories

Outcome	Immigration status		Global <i>p</i> -value
	Born in South Africa	Born in another country	
<i>Psychological wellbeing</i>			
Happiness	6.97 (6.81, 7.13)	6.69 (5.98, 7.40)	0.450
Life satisfaction	6.36 (6.20, 6.52)	6.45 (5.64, 7.25)	0.833
Life evaluation today	6.11 (5.93, 6.29)	6.14 (5.33, 6.94)	0.942
Future life evaluation	7.59 (7.44, 7.74)	7.73 (7.11, 8.34)	0.632
Optimism	8.23 (8.10, 8.36)	7.96 (7.39, 8.54)	0.368
Freedom	7.96 (7.82, 8.10)	8.11 (7.66, 8.56)	0.513
Peace	0.80 (0.78, 0.82)	0.78 (0.66, 0.90)	0.675
Balance in life	0.71 (0.68, 0.73)	0.63 (0.50, 0.76)	0.218
Mastery	0.85 (0.83, 0.86)	0.82 (0.72, 0.92)	0.656
Meaning in life	6.71 (6.55, 6.87)	6.73 (5.97, 7.49)	0.864
Sense of purpose	8.08 (7.95, 8.20)	7.88 (7.26, 8.49)	0.521
Self-rated mental health	8.18 (8.04, 8.33)	8.03 (7.36, 8.69)	0.637
<i>Social wellbeing</i>			
Subjective social connectedness	7.40 (7.27, 7.52)	7.41 (6.87, 7.94)	0.976
Social support	7.23 (7.10, 7.36)	6.35 (5.50, 7.21)	0.045
Intimate friend	0.84 (0.82, 0.86)	0.68 (0.57, 0.79)	0.004
Government approval	0.37 (0.35, 0.40)	0.55 (0.40, 0.69)	0.015
Political voice	0.61 (0.57, 0.64)	0.62 (0.45, 0.79)	0.492
Belonging	7.69 (7.55, 7.84)	6.77 (5.81, 7.74)	0.066
Place satisfaction	0.62 (0.59, 0.65)	0.73 (0.58, 0.88)	0.138
Trust	0.11 (0.09, 0.12)	0.12 (0.03, 0.20)	0.842
Community participation	0.25 (0.23, 0.27)	0.15 (0.07, 0.24)	0.031
<i>Psychological distress</i>			
Traumatic distress	0.34 (0.32, 0.37)	0.43 (0.30, 0.57)	0.192
Depression symptoms	0.33 (0.30, 0.35)	0.29 (0.17, 0.40)	0.512

Anxiety symptoms	0.30 (0.27, 0.32)	0.26 (0.16, 0.36)	0.516
Suffering	0.30 (0.28, 0.33)	0.20 (0.11, 0.30)	0.030
<i>Social distress</i>			
Loneliness	3.66 (3.49, 3.83)	3.95 (3.31, 4.59)	0.391
Discrimination	0.37 (0.34, 0.40)	0.42 (0.29, 0.55)	0.468
<i>Character & prosocial behavior</i>			
Promoting good	7.84 (7.70, 7.98)	7.46 (6.87, 8.06)	0.222
Delayed gratification	7.68 (7.54, 7.82)	7.65 (7.10, 8.20)	0.925
Hope	8.59 (8.47, 8.71)	8.45 (7.97, 8.94)	0.587
Gratitude	7.86 (7.72, 8.00)	7.67 (7.15, 8.19)	0.475
Love	8.62 (8.51, 8.73)	8.04 (7.30, 8.79)	0.130
Forgivingness	0.84 (0.82, 0.86)	0.88 (0.81, 0.95)	0.297
Charitable giving	0.19 (0.17, 0.21)	0.24 (0.13, 0.35)	0.415
Helping	0.58 (0.55, 0.61)	0.59 (0.47, 0.72)	0.788
Volunteering	0.25 (0.23, 0.28)	0.12 (0.04, 0.19)	< .001
<i>Physical health & health behavior</i>			
Self-rated physical health	7.53 (7.37, 7.69)	7.50 (6.65, 8.34)	0.943
Health limitations	0.22 (0.20, 0.25)	0.17 (0.08, 0.26)	0.309
Pain	0.29 (0.26, 0.31)	0.24 (0.14, 0.34)	0.317
Smoking	1.70 (1.36, 2.03)	1.06 (0.30, 1.82)	0.129
Drinking	2.37 (2.12, 2.61)	1.45 (0.83, 2.07)	0.004
Exercise	2.35 (2.22, 2.47)	2.18 (1.43, 2.93)	0.639
<i>Socioeconomic factors</i>			
Financial security	5.23 (5.05, 5.41)	5.05 (4.29, 5.82)	0.660
Material security	5.55 (5.37, 5.73)	5.49 (4.51, 6.47)	0.909
Years of education	0.07 (0.06, 0.08)	0.03 (0.00, 0.06)	0.009
Employment	0.36 (0.33, 0.39)	0.62 (0.48, 0.77)	< .001
Subjective financial wellbeing	0.50 (0.47, 0.52)	0.45 (0.33, 0.58)	0.496
Homeownership	0.73 (0.70, 0.76)	0.47 (0.35, 0.60)	< .001

Religion/spirituality

Self-reported religion/spirituality	0.85 (0.83, 0.87)	0.78 (0.66, 0.90)	0.230
Frequency of religious service attendance	0.49 (0.46, 0.52)	0.56 (0.44, 0.69)	0.252
Life after death belief	0.53 (0.50, 0.56)	0.54 (0.42, 0.66)	0.817
Religious experience	0.60 (0.57, 0.63)	0.61 (0.46, 0.75)	0.907
Religious reading	0.36 (0.33, 0.38)	0.22 (0.11, 0.34)	0.023
Prayer/meditation	0.72 (0.69, 0.74)	0.62 (0.48, 0.76)	0.181
Belief in God or a spiritual force	0.96 (0.95, 0.97)	0.95 (0.90, 1.00)	0.849
Intrinsic religiosity	0.88 (0.86, 0.90)	0.91 (0.83, 0.99)	0.321
Religious comfort	0.93 (0.91, 0.94)	0.88 (0.79, 0.97)	0.305
Loved by God or a spiritual force	0.95 (0.94, 0.97)	0.99 (0.98, 1.00)	< .001
Spiritual punishment	0.48 (0.45, 0.51)	0.49 (0.35, 0.64)	0.689
Religious criticism	0.53 (0.50, 0.55)	0.54 (0.36, 0.71)	0.445
Evangelism	0.79 (0.77, 0.81)	0.85 (0.77, 0.93)	0.146

Personality traits

Extraversion	4.22 (4.12, 4.31)	3.78 (3.26, 4.29)	0.086
Openness to experience	5.36 (5.27, 5.46)	5.24 (4.78, 5.71)	0.616
Agreeableness	5.64 (5.55, 5.73)	5.70 (5.23, 6.17)	0.803
Conscientiousness	6.07 (5.97, 6.16)	6.12 (5.81, 6.42)	0.744
Neuroticism	2.71 (2.62, 2.81)	2.39 (1.93, 2.84)	0.167

Family factors

Ever married	0.30 (0.27, 0.33)	0.36 (0.22, 0.50)	0.406
Currently divorced	0.02 (0.01, 0.03)	0.03 (0.00, 0.07)	0.419
Number of children in household	1.94 (1.82, 2.06)	1.51 (1.05, 1.97)	0.076

Table S10. Variation in means/proportions (95% confidence intervals) for outcomes across religious affiliation categories

Outcome	Religious affiliation										Global <i>p</i> -value
	Christianity	Islam	Hinduism	Buddhism	Shinto	Taoism	Primal, animist, or folk religion	Some other religion	No religion/ atheist/agnostic	Jainism	
<i>Psychological wellbeing</i>											
Happiness	6.97 (6.80, 7.14)	6.54 (5.30, 7.78)	8.00 *	6.62 *	8.81 *	10.00 *	6.40 (5.49, 7.32)	6.38 *	7.18 (6.79, 7.56)	7.00 *	< .001
Life satisfaction	6.38 (6.21, 6.55)	7.39 (6.44, 8.35)	7.00 *	7.04 *	8.81 *	6.00 *	5.84 (4.99, 6.69)	5.33 *	6.23 (5.81, 6.65)	8.00 *	< .001
Life evaluation today	6.11 (5.91, 6.31)	6.05 (5.56, 6.54)	6.00 *	6.17 *	8.51 *	10.00 *	5.59 (4.85, 6.32)	3.93 *	6.33 (5.87, 6.80)	9.00 *	< .001
Future life evaluation	7.56 (7.41, 7.71)	7.90 (7.14, 8.67)	10.00 *	7.93 *	9.41 *	10.00 *	7.20 (6.57, 7.83)	8.84 *	7.95 (7.55, 8.35)	10.00 *	< .001
Optimism	8.20 (8.07, 8.34)	8.20 (7.33, 9.06)	10.00 *	7.79 *	10.00 *	10.00 *	8.29 (7.76, 8.81)	7.80 *	8.28 (7.97, 8.59)	10.00 *	< .001
Freedom	7.95 (7.81, 8.09)	8.14 (7.33, 8.96)	10.00 *	8.39 *	10.00 *	5.00 *	8.40 (7.95, 8.86)	6.41 *	7.85 (7.39, 8.31)	10.00 *	< .001
Peace	0.80 (0.78, 0.83)	0.92 (0.86, 0.98)	1.00 *	1.00 *	0.70 *	1.00 *	0.73 (0.63, 0.84)	0.75 *	0.77 (0.70, 0.83)	1.00 *	0.010
Balance in life	0.70 (0.67, 0.72)	0.86 (0.76, 0.96)	1.00 *	0.93 *	1.00 *	1.00 *	0.65 (0.54, 0.76)	0.25 *	0.73 (0.65, 0.80)	1.00 *	< .001
Mastery	0.84 (0.82, 0.86)	0.91 (0.83, 0.99)	1.00 *	0.73 *	1.00 *	1.00 *	0.80 (0.72, 0.89)	0.75 *	0.85 (0.80, 0.91)	1.00 *	0.423
Meaning in life	6.76 (6.60, 6.92)	7.68 (6.92, 8.43)	8.00 *	5.65 *	9.41 *	8.00 *	5.82 (4.89, 6.75)	6.62 *	6.53 (6.08, 6.97)	9.00 *	< .001
Sense of purpose	8.06 (7.92, 8.20)	8.04 (7.09, 9.00)	10.00 *	8.34 *	9.70 *	10.00 *	8.33 (7.83, 8.83)	7.86 *	7.94 (7.53, 8.35)	10.00 *	< .001
Self-rated mental health	8.19 (8.05, 8.33)	8.28 (7.16, 9.41)	10.00 *	8.45 *	10.00 *	9.00 *	7.94 (7.24, 8.64)	7.81 *	8.10 (7.68, 8.53)	10.00 *	< .001
<i>Social wellbeing</i>											
Subjective social											
connectedness	7.42 (7.30, 7.55)	7.48 (6.74, 8.22)	8.00 *	6.00 *	9.70 *	10.00 *	7.21 (6.56, 7.87)	7.14 *	7.31 (6.95, 7.67)	8.00 *	< .001
Social support	7.19 (7.04, 7.34)	7.59 (6.40, 8.79)	9.00 *	8.21 *	10.00 *	5.00 *	6.97 (6.24, 7.71)	6.70 *	7.04 (6.55, 7.54)	10.00 *	< .001
Intimate friend	0.85 (0.83, 0.87)	0.76 (0.61, 0.91)	1.00 *	0.77 *	1.00 *	1.00 *	0.77 (0.66, 0.88)	1.00 *	0.74 (0.66, 0.81)	1.00 *	< .001
Government approval	0.39 (0.36, 0.41)	0.39 (0.20, 0.59)	1.00 *	0.07 *	0.70 *	0.00 *	0.42 (0.31, 0.54)	0.42 *	0.35 (0.27, 0.44)	0.00 *	0.006
Political voice	0.61 (0.58, 0.65)	0.46 (0.31, 0.61)	0.80 *	0.30 *	0.94 *	1.00 *	0.71 (0.60, 0.82)	0.69 *	0.54 (0.45, 0.63)	1.00 *	< .001
Belonging	7.63 (7.47, 7.79)	7.24 (6.09, 8.39)	10.00 *	4.97 *	9.11 *	10.00 *	8.05 (7.56, 8.54)	8.04 *	7.78 (7.29, 8.26)	10.00 *	< .001
Place satisfaction	0.62 (0.59, 0.66)	0.64 (0.43, 0.85)	1.00 *	0.70 *	0.30 *	0.00 *	0.65 (0.53, 0.77)	0.67 *	0.61 (0.53, 0.69)	0.00 *	0.035
Trust	0.11 (0.09, 0.12)	0.14 (0.01, 0.28)	1.00 *	0.00 *	0.00 *	0.00 *	0.10 (0.04, 0.16)	0.00 *	0.13 (0.08, 0.19)	0.00 *	0.316
Community participation	0.24 (0.22, 0.27)	0.12 (0.01, 0.24)	0.00 *	0.33 *	0.70 *	1.00 *	0.20 (0.09, 0.31)	0.15 *	0.29 (0.21, 0.36)	0.00 *	0.001
<i>Psychological distress</i>											
Traumatic distress	0.35 (0.32, 0.38)	0.32 (0.20, 0.43)	0.00 *	0.47 *	1.00 *	0.00 *	0.26 (0.17, 0.36)	0.40 *	0.34 (0.26, 0.42)	0.00 *	0.005
Depression symptoms	0.34 (0.31, 0.37)	0.21 (0.08, 0.35)	0.00 *	0.24 *	0.00 *	0.00 *	0.25 (0.14, 0.35)	0.57 *	0.30 (0.23, 0.36)	0.00 *	0.001

Anxiety symptoms	0.30 (0.27, 0.33)	0.28 (0.11, 0.45)	0.00 *	0.42 *	0.00 *	0.00 *	0.22 (0.13, 0.31)	0.42 *	0.27 (0.21, 0.34)	0.00 *	0.059
Suffering	0.30 (0.28, 0.33)	0.39 (0.23, 0.55)	0.00 *	0.20 *	0.00 *	0.00 *	0.18 (0.09, 0.27)	0.42 *	0.30 (0.22, 0.38)	1.00 *	< .001
<i>Social distress</i>											
Loneliness	3.66 (3.48, 3.84)	3.15 (1.80, 4.50)	2.00 *	3.79 *	0.00 *	0.00 *	4.15 (3.32, 4.99)	4.76 *	3.73 (3.26, 4.20)	3.00 *	< .001
Discrimination	0.37 (0.34, 0.40)	0.41 (0.17, 0.65)	1.00 *	0.31 *	0.00 *	0.00 *	0.43 (0.32, 0.54)	0.40 *	0.35 (0.27, 0.43)	1.00 *	0.006
<i>Character & prosocial behavior</i>											
Promoting good	7.85 (7.70, 8.00)	8.45 (7.97, 8.93)	9.00 *	6.88 *	9.11 *	10.00 *	7.59 (6.95, 8.23)	9.12 *	7.46 (7.02, 7.89)	10.00 *	< .001
Delayed gratification	7.64 (7.48, 7.80)	8.28 (7.60, 8.95)	8.00 *	6.73 *	9.41 *	10.00 *	7.86 (7.39, 8.34)	7.27 *	7.81 (7.44, 8.18)	6.00 *	< .001
Hope	8.58 (8.46, 8.71)	8.54 (7.91, 9.17)	10.00 *	9.22 *	10.00 *	10.00 *	8.85 (8.40, 9.30)	8.18 *	8.50 (8.14, 8.86)	0.00 *	< .001
Gratitude	7.91 (7.77, 8.06)	7.76 (6.84, 8.67)	8.00 *	8.50 *	9.11 *	10.00 *	7.09 (6.41, 7.76)	7.82 *	7.65 (7.25, 8.05)	10.00 *	< .001
Love	8.58 (8.44, 8.71)	8.48 (7.75, 9.22)	10.00 *	9.01 *	9.41 *	10.00 *	8.41 (7.84, 8.98)	7.58 *	8.79 (8.53, 9.05)	10.00 *	< .001
Forgivingness	0.85 (0.82, 0.87)	0.85 (0.73, 0.96)	1.00 *	0.87 *	0.70 *	1.00 *	0.86 (0.79, 0.93)	0.85 *	0.80 (0.74, 0.86)	1.00 *	0.661
Charitable giving	0.20 (0.18, 0.23)	0.22 (0.09, 0.36)	1.00 *	0.00 *	0.00 *	0.00 *	0.11 (0.04, 0.19)	0.00 *	0.16 (0.10, 0.22)	1.00 *	< .001
Helping	0.59 (0.56, 0.62)	0.60 (0.43, 0.76)	1.00 *	0.04 *	0.70 *	1.00 *	0.50 (0.38, 0.62)	1.00 *	0.51 (0.42, 0.60)	1.00 *	< .001
Volunteering	0.26 (0.23, 0.28)	0.17 (0.08, 0.26)	1.00 *	0.44 *	0.30 *	1.00 *	0.20 (0.10, 0.30)	0.25 *	0.18 (0.13, 0.23)	0.00 *	< .001
<i>Physical health & health behavior</i>											
Self-rated physical health	7.50 (7.33, 7.68)	7.56 (6.85, 8.28)	9.00 *	7.40 *	10.00 *	9.00 *	7.43 (6.60, 8.26)	7.78 *	7.71 (7.29, 8.13)	9.00 *	< .001
Health limitations	0.23 (0.20, 0.25)	0.35 (0.21, 0.49)	0.00 *	0.10 *	0.00 *	0.00 *	0.14 (0.06, 0.23)	0.00 *	0.17 (0.09, 0.25)	0.00 *	< .001
Pain	0.29 (0.26, 0.31)	0.30 (0.16, 0.44)	1.00 *	0.33 *	0.00 *	0.00 *	0.25 (0.14, 0.35)	0.15 *	0.27 (0.18, 0.35)	1.00 *	0.029
Smoking	1.56 (1.19, 1.93)	4.32 (2.62, 6.03)	0.00 *	1.58 *	0.00 *	0.00 *	1.19 (0.57, 1.81)	7.02 *	2.00 (1.41, 2.60)	5.00 *	< .001
Drinking	2.20 (1.94, 2.45)	1.20 (0.30, 2.11)	2.00 *	5.31 *	1.49 *	5.00 *	2.92 (1.54, 4.29)	7.95 *	3.05 (2.32, 3.78)	2.00 *	< .001
Exercise	2.35 (2.20, 2.49)	1.61 (0.93, 2.29)	3.00 *	1.83 *	3.51 *	3.00 *	2.43 (1.75, 3.12)	3.39 *	2.35 (1.97, 2.74)	5.00 *	< .001
<i>Socioeconomic factors</i>											
Financial security	5.20 (5.01, 5.40)	5.31 (4.67, 5.96)	6.00 *	3.47 *	0.59 *	6.00 *	4.87 (4.10, 5.64)	1.57 *	5.67 (5.17, 6.17)	8.00 *	< .001
Material security	5.54 (5.36, 5.73)	5.00 (3.51, 6.48)	5.00 *	4.08 *	2.38 *	6.00 *	5.50 (4.59, 6.40)	4.02 *	5.82 (5.31, 6.33)	10.00 *	< .001
Years of education	0.07 (0.06, 0.09)	0.05 (0.00, 0.11)	1.00 *	0.04 *	0.30 *	1.00 *	0.06 (0.02, 0.10)	0.25 *	0.03 (0.01, 0.05)	0.00 *	0.007
Employment	0.37 (0.33, 0.40)	0.48 (0.30, 0.65)	1.00 *	0.68 *	0.00 *	0.00 *	0.32 (0.21, 0.43)	0.43 *	0.39 (0.32, 0.46)	1.00 *	< .001
Subjective financial wellbeing	0.50 (0.47, 0.52)	0.54 (0.33, 0.75)	1.00 *	0.28 *	0.00 *	1.00 *	0.44 (0.32, 0.56)	0.00 *	0.54 (0.46, 0.62)	0.00 *	< .001
Homeownership	0.72 (0.69, 0.75)	0.63 (0.42, 0.84)	1.00 *	0.54 *	0.30 *	1.00 *	0.84 (0.76, 0.92)	0.57 *	0.65 (0.57, 0.73)	0.00 *	< .001

<i>Religion/spirituality</i>											
Self-reported religion/ spirituality	0.86 (0.84, 0.88)	0.82 (0.67, 0.97)	1.00 *	0.83 *	1.00 *	0.00 *	0.86 (0.77, 0.94)	0.64 *	0.76 (0.70, 0.82)	1.00 *	< .001
Frequency of religious service attendance	0.53 (0.51, 0.56)	0.35 (0.13, 0.57)	1.00 *	0.45 *	0.70 *	0.00 *	0.37 (0.25, 0.48)	0.25 *	0.25 (0.19, 0.32)	0.00 *	< .001
Life after death belief	0.52 (0.49, 0.55)	0.68 (0.52, 0.83)	1.00 *	0.57 *	0.00 *	0.00 *	0.51 (0.38, 0.63)	0.33 *	0.54 (0.47, 0.61)	1.00 *	< .001
Religious experience	0.62 (0.59, 0.65)	0.45 (0.29, 0.62)	1.00 *	0.67 *	0.70 *	0.00 *	0.53 (0.42, 0.64)	0.71 *	0.48 (0.39, 0.57)	0.00 *	< .001
Religious reading	0.37 (0.34, 0.40)	0.36 (0.16, 0.56)	0.00 *	0.39 *	0.00 *	0.00 *	0.25 (0.14, 0.35)	0.40 *	0.21 (0.15, 0.26)	0.00 *	< .001
Prayer/meditation	0.74 (0.71, 0.77)	0.63 (0.47, 0.79)	1.00 *	0.52 *	0.70 *	0.00 *	0.57 (0.46, 0.68)	0.82 *	0.56 (0.48, 0.63)	1.00 *	< .001
Belief in God or a spiritual force	0.96 (0.95, 0.97)	0.99 (0.96, 1.01)	1.00 *	0.93 *	1.00 *	0.00 *	0.91 (0.86, 0.97)	0.82 *	0.92 (0.87, 0.96)	1.00 *	0.028
Intrinsic religiosity	0.88 (0.86, 0.90)	0.92 (0.76, 1.09)	1.00 *	0.84 *	1.00 *	1.00 *	0.88 (0.80, 0.96)	0.86 *	0.82 (0.76, 0.89)	1.00 *	0.061
Religious comfort	0.93 (0.91, 0.94)	0.92 (0.78, 1.06)	1.00 *	0.86 *	1.00 *	1.00 *	0.96 (0.93, 1.00)	0.89 *	0.88 (0.83, 0.93)	1.00 *	0.502
Loved by God or a spiritual force	0.96 (0.95, 0.97)	1.00 *	1.00 *	1.00 *	1.00 *	0.00 *	0.96 (0.93, 1.00)	0.96 *	0.93 (0.88, 0.98)	1.00 *	0.106
Spiritual punishment	0.47 (0.44, 0.51)	0.43 (0.18, 0.68)	0.00 *	0.39 *	0.06 *	0.00 *	0.52 (0.40, 0.65)	0.65 *	0.49 (0.39, 0.59)	1.00 *	0.008
Religious criticism	0.53 (0.51, 0.56)	0.48 (0.25, 0.71)	0.00 *	0.52 *	0.70 *	1.00 *	0.50 (0.39, 0.62)	0.61 *	0.51 (0.43, 0.59)	1.00 *	0.091
Evangelism	0.81 (0.78, 0.83)	0.75 (0.60, 0.90)	1.00 *	0.96 *	0.70 *	0.00 *	0.80 (0.71, 0.89)	0.43 *	0.68 (0.59, 0.76)	1.00 *	< .001
<i>Personality traits</i>											
Extraversion	4.20 (4.10, 4.31)	3.83 (3.21, 4.45)	3.50 *	4.25 *	6.26 *	5.00 *	4.36 (4.03, 4.69)	2.93 *	4.11 (3.84, 4.39)	4.00 *	< .001
Openness to experience	5.37 (5.27, 5.48)	5.39 (4.89, 5.90)	7.00 *	4.10 *	3.85 *	7.00 *	5.11 (4.71, 5.50)	4.53 *	5.40 (5.12, 5.68)	7.00 *	< .001
Agreeableness	5.68 (5.59, 5.78)	5.75 (5.23, 6.27)	7.00 *	4.68 *	4.45 *	7.00 *	5.38 (5.05, 5.72)	5.42 *	5.47 (5.22, 5.72)	4.00 *	< .001
Conscientiousness	6.14 (6.06, 6.23)	6.15 (5.69, 6.61)	7.00 *	3.56 *	5.22 *	7.00 *	5.67 (5.23, 6.10)	6.25 *	5.75 (5.50, 6.00)	7.00 *	< .001
Neuroticism	2.66 (2.57, 2.76)	2.13 (1.65, 2.62)	1.00 *	4.04 *	1.59 *	1.00 *	2.93 (2.56, 3.30)	2.34 *	2.97 (2.72, 3.22)	1.00 *	< .001
<i>Family factors</i>											
Ever married	0.32 (0.29, 0.35)	0.51 (0.26, 0.76)	1.00 *	0.19 *	0.00 *	0.00 *	0.23 (0.13, 0.33)	0.00 *	0.21 (0.14, 0.28)	0.00 *	< .001
Currently divorced	0.02 (0.01, 0.03)	0.01 (0.00, 0.03)	0.00 *	0.00 *	0.00 *	0.00 *	0.02 (0.00, 0.05)	0.00 *	0.01 (0.00, 0.03)	0.00 *	**
Number of children in household	1.95 (1.83, 2.08)	1.75 (1.15, 2.36)	2.00 *	0.42 *	3.00 *	3.00 *	2.36 (1.85, 2.88)	2.72 *	1.48 (1.22, 1.73)	0.00 *	< .001

Note. *95% confidence interval not estimable based on the observed data. **p-value not estimable based on observed data.

Table S11. Variation in means/proportions (95% confidence intervals) for outcomes across racial/ethnic identity categories

Outcome	Racial/ethnic identity					Global <i>p</i> -value
	Black	White	Other	Asian/Indian	Colored	
<i>Psychological wellbeing</i>						
Happiness	6.96 (6.80, 7.12)	6.41 (4.51, 8.30)	10.00 *	9.71 *	6.81 (6.13, 7.48)	< .001
Life satisfaction	6.36 (6.21, 6.52)	5.93 (3.88, 7.97)	9.00 *	7.86 *	6.34 (5.55, 7.12)	< .001
Life evaluation today	6.13 (5.95, 6.30)	8.36 (2.08, 14.65)	5.00 *	5.14 *	5.89 (4.91, 6.86)	< .001
Future life evaluation	7.59 (7.45, 7.74)	8.70 (3.95, 13.46)	0.00 *	7.43 *	7.63 (7.03, 8.23)	< .001
Optimism	8.23 (8.10, 8.36)	8.41 (2.89, 13.93)	5.00 *	8.29 *	8.08 (7.58, 8.57)	< .001
Freedom	8.01 (7.88, 8.14)	8.55 (3.37, 13.73)	10.00 *	6.58 *	7.58 (6.97, 8.19)	< .001
Peace	0.81 (0.79, 0.83)	0.67 (0.00, 1.34)	1.00 *	1.00 *	0.75 (0.66, 0.84)	0.340
Balance in life	0.70 (0.67, 0.72)	0.88 (0.36, 1.41)	1.00 *	1.00 *	0.73 (0.65, 0.80)	0.406
Mastery	0.84 (0.82, 0.86)	1.00 *	1.00 *	1.00 *	0.86 (0.79, 0.93)	0.786
Meaning in life	6.68 (6.51, 6.84)	6.28 (3.68, 8.87)	5.00 *	8.00 *	7.05 (6.50, 7.60)	< .001
Sense of purpose	8.09 (7.97, 8.22)	8.04 (1.14, 14.94)	10.00 *	7.43 *	7.85 (7.33, 8.38)	< .001
Self-rated mental health	8.21 (8.06, 8.35)	7.11 (5.67, 8.54)	10.00 *	9.14 *	7.89 (7.38, 8.40)	< .001
<i>Social wellbeing</i>						
Subjective social connectedness	7.42 (7.29, 7.54)	6.75 (4.85, 8.65)	10.00 *	8.00 *	7.22 (6.69, 7.75)	< .001
Social support	7.17 (7.03, 7.32)	7.70 (3.56, 11.84)	10.00 *	9.00 *	7.26 (6.84, 7.67)	< .001
Intimate friend	0.83 (0.81, 0.85)	0.95 (0.67, 1.23)	1.00 *	1.00 *	0.85 (0.78, 0.91)	0.847
Government approval	0.39 (0.36, 0.42)	0.34 (0.00, 0.83)	0.00 *	1.00 *	0.29 (0.20, 0.38)	0.001
Political voice	0.61 (0.58, 0.65)	0.70 *	1.00 *	0.97 *	0.52 (0.44, 0.61)	< .001
Belonging	7.71 (7.57, 7.85)	7.10 (1.81, 12.39)	10.00 *	10.00 *	7.02 (6.31, 7.72)	< .001
Place satisfaction	0.62 (0.59, 0.65)	0.85 (0.18, 1.52)	1.00 *	1.00 *	0.66 (0.53, 0.80)	0.101
Trust	0.11 (0.09, 0.13)	0.34 (0.00, 0.83)	0.00 *	0.14 *	0.09 (0.04, 0.13)	< .001
Community participation	0.24 (0.22, 0.26)	0.16 (0.00, 0.82)	1.00 *	0.00 *	0.27 (0.20, 0.34)	0.488
<i>Psychological distress</i>						
Traumatic distress	0.34 (0.31, 0.37)	0.52 (0.02, 1.02)	0.00 *	0.00 *	0.41 (0.34, 0.48)	0.074
Depression symptoms	0.31 (0.28, 0.34)	0.79 (0.03, 1.55)	0.00 *	0.00 *	0.45 (0.35, 0.55)	< .001

Anxiety symptoms	0.28 (0.26, 0.31)	0.54 (0.15, 0.93)	0.00 *	0.00 *	0.38 (0.27, 0.50)	0.012
Suffering	0.29 (0.27, 0.31)	0.50 (0.10, 0.90)	1.00 *	0.00 *	0.40 (0.31, 0.50)	0.003
<i>Social distress</i>						
Loneliness	3.70 (3.53, 3.87)	1.43 (0.00, 7.38)	0.00 *	2.86 *	3.54 (2.89, 4.19)	< .001
Discrimination	0.36 (0.34, 0.39)	0.83 (0.16, 1.50)	1.00 *	0.14 *	0.46 (0.36, 0.56)	< .001
<i>Character & prosocial behavior</i>						
Promoting good	7.77 (7.63, 7.91)	8.44 (4.50, 12.39)	10.00 *	9.86 *	8.17 (7.66, 8.69)	< .001
Delayed gratification	7.66 (7.52, 7.79)	7.33 (4.41, 10.25)	10.00 *	8.00 *	7.87 (7.31, 8.44)	< .001
Hope	8.60 (8.48, 8.72)	8.58 (3.38, 13.78)	10.00 *	7.43 *	8.48 (8.04, 8.93)	< .001
Gratitude	7.82 (7.68, 7.96)	8.58 (3.38, 13.77)	10.00 *	9.71 *	8.08 (7.56, 8.60)	< .001
Love	8.59 (8.46, 8.71)	8.41 (3.55, 13.27)	10.00 *	9.14 *	8.59 (8.27, 8.90)	< .001
Forgivingness	0.84 (0.83, 0.86)	0.67 (0.00, 1.34)	1.00 *	1.00 *	0.82 (0.73, 0.90)	0.657
Charitable giving	0.20 (0.17, 0.22)	0.37 (0.00, 0.95)	1.00 *	0.14 *	0.15 (0.09, 0.20)	< .001
Helping	0.58 (0.55, 0.61)	0.79 (0.00, 1.59)	1.00 *	0.14 *	0.58 (0.46, 0.69)	< .001
Volunteering	0.25 (0.23, 0.27)	0.41 (0.00, 0.92)	0.00 *	0.14 *	0.24 (0.13, 0.35)	< .001
<i>Physical health & health behavior</i>						
Self-rated physical health	7.53 (7.36, 7.70)	6.46 (5.37, 7.56)	8.00 *	9.00 *	7.46 (7.04, 7.89)	< .001
Health limitations	0.22 (0.19, 0.24)	0.33 (0.00, 1.00)	1.00 *	0.00 *	0.25 (0.15, 0.34)	0.459
Pain	0.28 (0.25, 0.30)	0.25 (0.00, 1.17)	1.00 *	0.14 *	0.36 (0.27, 0.46)	< .001
Smoking	1.31 (1.12, 1.51)	2.00 (0.00, 7.40)	0.00 *	0.00 *	5.02 (2.70, 7.33)	< .001
Drinking	2.30 (2.07, 2.54)	5.92 (0.00, 25.60)	0.00 *	0.29 *	2.37 (1.38, 3.36)	< .001
Exercise	2.33 (2.20, 2.47)	2.12 (0.02, 4.22)	7.00 *	6.42 *	2.26 (1.74, 2.79)	< .001
<i>Socioeconomic factors</i>						
Financial security	5.25 (5.06, 5.44)	6.26 (0.32, 12.21)	10.00 *	4.29 *	4.89 (4.34, 5.44)	< .001
Material security	5.60 (5.43, 5.78)	6.07 (2.08, 10.06)	10.00 *	5.00 *	4.98 (4.30, 5.67)	< .001
Years of education	0.07 (0.06, 0.08)	0.45 (0.00, 0.90)	0.00 *	0.14 *	0.07 (0.02, 0.12)	< .001
Employment	0.36 (0.33, 0.39)	0.62 (0.16, 1.07)	0.00 *	0.14 *	0.47 (0.35, 0.59)	< .001
Subjective financial wellbeing	0.50 (0.47, 0.52)	0.75 (0.00, 1.67)	0.00 *	1.00 *	0.46 (0.37, 0.55)	0.044
Homeownership	0.73 (0.70, 0.76)	0.24 (0.00, 1.13)	1.00 *	0.14 *	0.62 (0.55, 0.69)	< .001

<i>Religion/spirituality</i>							
Self-reported religion/spirituality	0.85 (0.83, 0.87)	0.67 (0.00, 1.34)	1.00 *	1.00 *	0.84 (0.77, 0.90)	0.777	
Frequency of religious service attendance	0.49 (0.46, 0.52)	0.24 (0.00, 1.11)	1.00 *	1.00 *	0.51 (0.40, 0.62)	0.062	
Life after death belief	0.52 (0.49, 0.55)	0.73 (0.00, 1.79)	1.00 *	0.14 *	0.61 (0.49, 0.73)	< .001	
Religious experience	0.60 (0.57, 0.62)	0.83 (0.12, 1.54)	1.00 *	1.00 *	0.60 (0.51, 0.70)	0.209	
Religious reading	0.34 (0.31, 0.37)	0.66 (0.00, 1.81)	1.00 *	0.00 *	0.41 (0.29, 0.53)	0.025	
Prayer/meditation	0.71 (0.69, 0.74)	0.50 (0.09, 0.90)	1.00 *	0.14 *	0.69 (0.60, 0.79)	< .001	
Belief in God or a spiritual force	0.96 (0.95, 0.97)	1.00 *	1.00 *	1.00 *	0.96 (0.92, 0.99)	0.998	
Intrinsic religiosity	0.87 (0.85, 0.89)	0.90 (0.35, 1.45)	1.00 *	1.00 *	0.93 (0.87, 0.98)	0.586	
Religious comfort	0.93 (0.91, 0.94)	0.90 (0.33, 1.47)	1.00 *	1.00 *	0.90 (0.84, 0.96)	0.940	
Loved by God or a spiritual force	0.96 (0.95, 0.97)	0.91 (0.41, 1.40)	1.00 *	1.00 *	0.94 (0.89, 0.99)	0.965	
Spiritual punishment	0.48 (0.45, 0.51)	0.37 (0.00, 0.83)	0.00 *	0.17 *	0.48 (0.35, 0.60)	< .001	
Religious criticism	0.53 (0.50, 0.55)	0.48 (0.00, 1.20)	0.00 *	0.00 *	0.56 (0.47, 0.65)	0.083	
Evangelism	0.79 (0.77, 0.82)	0.53 (0.09, 0.98)	1.00 *	1.00 *	0.82 (0.74, 0.89)	0.410	
<i>Personality traits</i>							
Extraversion	4.14 (4.05, 4.24)	4.77 (2.01, 7.53)	6.50 *	6.49 *	4.60 (4.21, 4.98)	< .001	
Openness to experience	5.34 (5.24, 5.43)	5.88 (4.64, 7.12)	7.00 *	2.30 *	5.60 (5.21, 5.99)	< .001	
Agreeableness	5.61 (5.52, 5.71)	5.84 (4.40, 7.27)	7.00 *	3.15 *	5.98 (5.77, 6.19)	< .001	
Conscientiousness	6.02 (5.92, 6.11)	6.75 (5.45, 8.05)	7.00 *	6.14 *	6.55 (6.40, 6.71)	< .001	
Neuroticism	2.74 (2.66, 2.83)	2.74 (1.34, 4.15)	1.00 *	6.13 *	2.18 (1.77, 2.59)	< .001	
<i>Family factors</i>							
Ever married	0.29 (0.26, 0.31)	0.49 (0.08, 0.90)	1.00 *	0.14 *	0.46 (0.35, 0.58)	< .001	
Currently divorced	0.02 (0.01, 0.02)	0.00 *	0.00 *	0.00 *	0.05 (0.01, 0.08)	0.933	
Number of children in household	1.95 (1.82, 2.08)	0.95 (0.00, 1.92)	0.00 *	4.57 *	1.55 (1.18, 1.92)	< .001	

Note. *95% confidence interval not estimable based on the observed data.

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VanderWeele: Conceptualization, Methodology, Funding acquisition, Supervision, Writing - Review & editing.

Inclusion and ethics

This project was ruled exempt by the Baylor University Institutional Review Board (#1841317-2). All personally identifiable information was removed from the data used in this study by Gallup Inc. Institutional Review Board approval for all data collection activities was obtained by Gallup Inc.

Conflict of interest

Tyler J. VanderWeele reports consulting fees from Gloop Inc., along with shared revenue received by Harvard University in its license agreement with Gloop Inc. according to the University IP policy.

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