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Supplementary Information

for

A Cross-National Analysis of Childhood Predictors of Physical Pain

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This document contains the following:

- Nationally representative descriptive statistics for each of the 22 countries (Table S1 to S22).
- Regression of Pain on childhood predictors for each of the 22 countries (Table S23 to S44).
- Sensitivity to unmeasured confounding of childhood predictors in each of the 22 countries (Table S45 to S66).
- Population weighted meta-analysis of regression results (Table S67).
- Random effects meta-analysis of regression of physical pain on childhood predictors. The pain measure was dichotomized as A lot/some/not very much (1) none at all (0) (Table S68).
- “Forest plots” for each of the childhood predictor effect estimates in each of the 22 countries (Figures S1 to S27). These figures show a visual representation of the information provided in Tables S1b to S22b but organized by childhood predictor, rather than by country.
- Preregistration (Text S.1).

Table S1. Nationally representative descriptive statistics for Argentina

Characteristic	N = 6,724[1]
Relationship with mother	
Very good	4,463 (66%)
Somewhat good	1,436 (21%)
Somewhat bad	299 (4.4%)
Very bad	216 (3.2%)
Does not apply	273 (4.1%)
Missing	36 (0.5%)
Relationship with father	
Very good	3,612 (54%)
Somewhat good	1,537 (23%)
Somewhat bad	440 (6.5%)
Very bad	401 (6.0%)
Does not apply	694 (10%)
Missing	39 (0.6%)
Parent marital status	
Yes, married	4,110 (61%)
No, divorced	637 (9.5%)
Never married	1,368 (20%)
No, one or both of them had died	199 (3.0%)
Missing	410 (6.1%)
Subjective financial status of family growing up	
Lived comfortably	2,042 (30%)
Got by	2,305 (34%)
Found it difficult	1,789 (27%)
Found it very difficult	569 (8.5%)
Missing	19 (0.3%)
Abuse	
Yes	1,302 (19%)
No	5,271 (78%)
Missing	151 (2.2%)
Outsider growing up	
Yes	1,165 (17%)
No	5,458 (81%)
Missing	101 (1.5%)
Self-rated health growing up	
Excellent	2,402 (36%)
Very good	1,819 (27%)
Good	1,830 (27%)
Fair	505 (7.5%)
Poor	156 (2.3%)
Missing	12 (0.2%)
Immigration status	
Born in this country	6,346 (94%)
Born in another country	348 (5.2%)
Missing	29 (0.4%)
Missing	53 (0.8%)
Age group	
1998-2005; current age: 18-24	1,108 (16%)
1993-1998; age: 25-29	719 (11%)
1983-1993; age: 30-39	1,432 (21%)
1973-1983; age 40-49	1,254 (19%)
1963-1973; age 50-59	1,014 (15%)
1953-1963; age 60-69	730 (11%)
1943-1953; age 70-79	356 (5.3%)
1943 or earlier; age 80+	112 (1.7%)
Missing	0 (0%)
Gender	
Male	3,143 (47%)
Female	3,542 (53%)
Other	21 (0.3%)
Missing	18 (0.3%)
Religious affiliation at age 12	
Buddhism	3 (<0.1%)
Christianity	5,805 (86%)
Hinduism	2 (<0.1%)
Islam	11 (0.2%)
Judaism	51 (0.8%)
No religion/Atheist/Agnostic	697 (10%)
Primal, Animist, or Folk religion	17 (0.2%)
Sikhism	5 (<0.1%)
Some other religion	10 (0.2%)
Taoism	1 (<0.1%)
Missing	122 (1.8%)
Race and ethnicity	
Asian	43 (0.6%)
Black	95 (1.4%)
Indigenous	129 (1.9%)
Mestizo(a)	1,801 (27%)
Mullato(a)	75 (1.1%)
Other	104 (1.5%)
White	3,406 (51%)
Missing	1,070 (16%)

Characteristic	N = 6,724[1]	Characteristic	N = 6,724[1]
Age 12 religious service attendance			
At least 1/week	2,601 (39%)		
1-3/month	1,204 (18%)		
<1/month	1,059 (16%)		
Never	1,808 (27%)		

[1]n (%)

Table S2. Nationally representative descriptive statistics for Australia

Characteristic	N = 3,844[1]
Relationship with mother	
Very good	2,554 (66%)
Somewhat good	925 (24%)
Somewhat bad	218 (5.7%)
Very bad	107 (2.8%)
Does not apply	32 (0.8%)
Missing	7 (0.2%)
Relationship with father	
Very good	2,032 (53%)
Somewhat good	1,144 (30%)
Somewhat bad	315 (8.2%)
Very bad	196 (5.1%)
Does not apply	148 (3.9%)
Missing	9 (0.2%)
Parent marital status	
Yes, married	3,048 (79%)
No, divorced	462 (12%)
Never married	187 (4.9%)
No, one or both of them had died	96 (2.5%)
Missing	52 (1.4%)
Subjective financial status of family growing up	
Lived comfortably	1,756 (46%)
Got by	1,496 (39%)
Found it difficult	422 (11%)
Found it very difficult	154 (4.0%)
Missing	16 (0.4%)
Abuse	
Yes	995 (26%)
No	2,790 (73%)
Missing	59 (1.5%)
Outsider growing up	
Yes	756 (20%)
No	3,062 (80%)
Missing	26 (0.7%)
Self-rated health growing up	
Excellent	1,736 (45%)
Very good	1,087 (28%)
Good	603 (16%)
Fair	308 (8.0%)
Poor	106 (2.8%)
Missing	4 (<0.1%)
Immigration status	
Born in this country	2,953 (77%)
Born in another country	885 (23%)

Characteristic	N = 3,844[1]
Age group	
1998-2005; current age: 18-24	345 (9.0%)
1993-1998; age: 25-29	282 (7.3%)
1983-1993; age: 30-39	641 (17%)
1973-1983; age 40-49	618 (16%)
1963-1973; age 50-59	691 (18%)
1953-1963; age 60-69	589 (15%)
1943-1953; age 70-79	498 (13%)
1943 or earlier; age 80+	178 (4.6%)
Missing	2 (<0.1%)
Gender	
Male	1,861 (48%)
Female	1,941 (50%)
Other	36 (0.9%)
Missing	6 (0.2%)
Religious affiliation at age 12	
Baha'i	5 (0.1%)
Buddhism	16 (0.4%)
Christianity	2,678 (70%)
Hinduism	39 (1.0%)
Islam	48 (1.2%)
Judaism	29 (0.8%)
No religion/Atheist/Agnostic	990 (26%)
Primal, Animist, or Folk religion	4 (<0.1%)
Sikhism	6 (0.2%)
Some other religion	8 (0.2%)
Taoism	1 (<0.1%)
Missing	21 (0.5%)
Race and ethnicity	
Aboriginal	53 (1.4%)
Australian	1,946 (51%)
Australian British/European	1,047 (27%)
Chinese	75 (1.9%)
Indian	58 (1.5%)
Japanese	1 (<0.1%)
Malay	11 (0.3%)
New Zealander	91 (2.4%)
Other	163 (4.2%)
Other European	357 (9.3%)
Russian	7 (0.2%)
Samoan	4 (0.1%)
Sinhalese	1 (<0.1%)
Spanish	2 (<0.1%)
Sri Lankan Moor	1 (<0.1%)

Characteristic	N = 3,844[1]	Characteristic	N = 3,844[1]
Missing	6 (0.2%)	Sri Lankan Tamil	7 (0.2%)
Age 12 religious service attendance		Vietnamese	7 (0.2%)
At least 1/week	1,362 (35%)	Missing	14 (0.4%)
1-3/month	486 (13%)		
<1/month	600 (16%)		
Never	1,307 (34%)		
Missing	90 (2.3%)		

[1]n (%)

Table S3. Nationally representative descriptive statistics for Brazil

Characteristic	N = 13,204[1]
Relationship with mother	
Very good	8,369 (63%)
Somewhat good	3,559 (27%)
Somewhat bad	483 (3.7%)
Very bad	214 (1.6%)
Does not apply	507 (3.8%)
Missing	73 (0.6%)
Relationship with father	
Very good	6,364 (48%)
Somewhat good	3,654 (28%)
Somewhat bad	1,035 (7.8%)
Very bad	756 (5.7%)
Does not apply	1,303 (9.9%)
Missing	93 (0.7%)
Parent marital status	
Yes, married	8,546 (65%)
No, divorced	1,384 (10%)
Never married	1,985 (15%)
No, one or both of them had died	508 (3.8%)
Missing	781 (5.9%)
Subjective financial status of family growing up	
Lived comfortably	4,998 (38%)
Got by	4,616 (35%)
Found it difficult	2,484 (19%)
Found it very difficult	1,027 (7.8%)
Missing	79 (0.6%)
Abuse	
Yes	2,606 (20%)
No	10,147 (77%)
Missing	451 (3.4%)
Outsider growing up	
Yes	1,659 (13%)
No	11,234 (85%)
Missing	311 (2.4%)
Self-rated health growing up	
Excellent	5,312 (40%)
Very good	3,392 (26%)
Good	2,873 (22%)
Fair	1,368 (10%)
Poor	228 (1.7%)
Missing	30 (0.2%)
Immigration status	
Born in this country	12,688 (96%)
Age group	
1998-2005; current age: 18-24	1,986 (15%)
1993-1998; age: 25-29	1,468 (11%)
1983-1993; age: 30-39	2,908 (22%)
1973-1983; age 40-49	2,638 (20%)
1963-1973; age 50-59	2,131 (16%)
1953-1963; age 60-69	1,435 (11%)
1943-1953; age 70-79	510 (3.9%)
1943 or earlier; age 80+	126 (1.0%)
Missing	0 (0%)
Gender	
Male	6,320 (48%)
Female	6,820 (52%)
Other	35 (0.3%)
Missing	30 (0.2%)
Religious affiliation at age 12	
Baha'i	1 (<0.1%)
Buddhism	27 (0.2%)
Christianity	11,403 (86%)
Confucianism	7 (<0.1%)
Hinduism	1 (<0.1%)
Islam	15 (0.1%)
Jainism	4 (<0.1%)
Judaism	40 (0.3%)
No religion/Atheist/Agnostic	908 (6.9%)
Primal, Animist, or Folk religion	17 (0.1%)
Shinto	4 (<0.1%)
Some other religion	87 (0.7%)
Spiritism	336 (2.5%)
Taoism	1 (<0.1%)
Umbanda, Candomblé, and other African-derived religions	262 (2.0%)
Missing	94 (0.7%)
Race and ethnicity	
Amarela	238 (1.8%)
Branca	5,169 (39%)
Indígena	131 (1.0%)
Other	61 (0.5%)
Parda	5,125 (39%)
Preta	1,615 (12%)
Missing	865 (6.6%)

Characteristic	N = 13,204[1]	Characteristic	N = 13,204[1]
Born in another country	153 (1.2%)		
Missing	363 (2.7%)		
Age 12 religious service attendance			
At least 1/week	6,306 (48%)		
1-3/month	2,491 (19%)		
<1/month	2,629 (20%)		
Never	1,707 (13%)		
Missing	71 (0.5%)		

[1]n (%)

Table S4. Nationally representative descriptive statistics for Egypt

Characteristic	N = 4,729[1]
Relationship with mother	
Very good	4,110 (87%)
Somewhat good	505 (11%)
Somewhat bad	21 (0.4%)
Very bad	10 (0.2%)
Does not apply	83 (1.8%)
Missing	0 (0%)
Relationship with father	
Very good	3,713 (79%)
Somewhat good	683 (14%)
Somewhat bad	56 (1.2%)
Very bad	30 (0.6%)
Does not apply	233 (4.9%)
Missing	14 (0.3%)
Parent marital status	
Yes, married	4,049 (86%)
No, divorced	131 (2.8%)
Never married	9 (0.2%)
No, one or both of them had died	485 (10%)
Missing	55 (1.2%)
Subjective financial status of family growing up	
Lived comfortably	1,251 (26%)
Got by	2,352 (50%)
Found it difficult	857 (18%)
Found it very difficult	268 (5.7%)
Missing	1 (<0.1%)
Abuse	
Yes	405 (8.6%)
No	4,293 (91%)
Missing	30 (0.6%)
Outsider growing up	
Yes	260 (5.5%)
No	4,456 (94%)
Missing	13 (0.3%)
Self-rated health growing up	
Excellent	2,687 (57%)
Very good	1,174 (25%)
Good	497 (11%)
Fair	265 (5.6%)
Poor	106 (2.2%)
Missing	1 (<0.1%)
Immigration status	
Born in this country	4,713 (100%)
Born in another country	16 (0.3%)

Characteristic	N = 4,729[1]
Age group	
1998-2005; current age: 18-24	960 (20%)
1993-1998; age: 25-29	607 (13%)
1983-1993; age: 30-39	1,204 (25%)
1973-1983; age 40-49	897 (19%)
1963-1973; age 50-59	613 (13%)
1953-1963; age 60-69	387 (8.2%)
1943-1953; age 70-79	54 (1.1%)
1943 or earlier; age 80+	7 (0.2%)
Missing	0 (0%)
Gender	
Male	2,394 (51%)
Female	2,334 (49%)
Other	0 (0%)
Missing	0 (<0.1%)
Religious affiliation at age 12	
Christianity	123 (2.6%)
Islam	4,602 (97%)
Jainism	1 (<0.1%)
Taoism	0 (<0.1%)
Missing	3 (<0.1%)
Race and ethnicity	
Arab	4,585 (97%)
Bedouin Arab	4 (<0.1%)
Greek	1 (<0.1%)
Nubian	27 (0.6%)
Turkish	9 (0.2%)
Missing	102 (2.2%)

Characteristic	N = 4,729[1]	Characteristic	N = 4,729[1]
Missing	1 (<0.1%)		
Age 12 religious service attendance			
At least 1/week	2,307 (49%)		
1-3/month	570 (12%)		
<1/month	629 (13%)		
Never	1,165 (25%)		
Missing	57 (1.2%)		

[1]n (%)

Table S5. Nationally representative descriptive statistics for Germany

Characteristic	N = 9,506[1]	Characteristic	N = 9,506[1]
Relationship with mother		**Age group**	
Very good	5,497 (58%)	1998-2005; current age: 18-24	829 (8.7%)
Somewhat good	3,031 (32%)	1993-1998; age: 25-29	774 (8.1%)
Somewhat bad	496 (5.2%)	1983-1993; age: 30-39	1,438 (15%)
Very bad	187 (2.0%)	1973-1983; age 40-49	1,494 (16%)
Does not apply	241 (2.5%)	1963-1973; age 50-59	1,729 (18%)
Missing	54 (0.6%)	1953-1963; age 60-69	1,915 (20%)
Relationship with father		1943-1953; age 70-79	1,137 (12%)
Very good	4,652 (49%)	1943 or earlier; age 80+	190 (2.0%)
Somewhat good	3,012 (32%)	Missing	0 (0%)
Somewhat bad	846 (8.9%)	**Gender**	
Very bad	385 (4.0%)	Male	4,641 (49%)
Does not apply	538 (5.7%)	Female	4,843 (51%)
Missing	73 (0.8%)	Other	11 (0.1%)
Parent marital status		Missing	11 (0.1%)
Yes, married	7,620 (80%)	**Religious affiliation at age 12**	
No, divorced	927 (9.8%)	Baha'i	2 (<0.1%)
Never married	578 (6.1%)	Buddhism	25 (0.3%)
No, one or both of them had died	245 (2.6%)	Christianity	5,751 (61%)
Missing	136 (1.4%)	Confucianism	4 (<0.1%)
Subjective financial status of family growing up		Hinduism	15 (0.2%)
Lived comfortably	3,177 (33%)	Islam	350 (3.7%)
Got by	4,508 (47%)	Jainism	1 (<0.1%)
Found it difficult	1,481 (16%)	Judaism	18 (0.2%)
Found it very difficult	314 (3.3%)	No religion/Atheist/Agnostic	3,163 (33%)
Missing	26 (0.3%)	Primal, Animist, or Folk religion	19 (0.2%)
Abuse		Sikhism	5 (<0.1%)
Yes	1,086 (11%)	Some other religion	67 (0.7%)
No	8,321 (88%)	Missing	85 (0.9%)
Missing	99 (1.0%)	**Race and ethnicity**	
Outsider growing up		Missing	9,506 (100%)
Yes	1,105 (12%)		
No	8,262 (87%)		
Missing	139 (1.5%)		
Self-rated health growing up			
Excellent	2,633 (28%)		
Very good	3,518 (37%)		
Good	2,582 (27%)		
Fair	612 (6.4%)		
Poor	134 (1.4%)		

Characteristic	N = 9,506[1]	Characteristic	N = 9,506[1]
Missing	26 (0.3%)		
Immigration status			
Born in this country	8,722 (92%)		
Born in another country	744 (7.8%)		
Missing	40 (0.4%)		
Age 12 religious service attendance			
At least 1/week	1,943 (20%)		
1-3/month	1,899 (20%)		
<1/month	2,887 (30%)		
Never	2,749 (29%)		
Missing	27 (0.3%)		

[1]n (%)

Table S6. Nationally representative descriptive statistics for India

Characteristic	N = 12,765[1]
Relationship with mother	
Very good	11,465 (90%)
Somewhat good	788 (6.2%)
Somewhat bad	88 (0.7%)
Very bad	73 (0.6%)
Does not apply	269 (2.1%)
Missing	82 (0.6%)
Relationship with father	
Very good	10,923 (86%)
Somewhat good	995 (7.8%)
Somewhat bad	126 (1.0%)
Very bad	100 (0.8%)
Does not apply	481 (3.8%)
Missing	141 (1.1%)
Parent marital status	
Yes, married	5,578 (44%)
No, divorced	236 (1.8%)
Never married	1,055 (8.3%)
No, one or both of them had died	940 (7.4%)
Missing	4,956 (39%)
Subjective financial status of family growing up	
Lived comfortably	4,946 (39%)
Got by	3,010 (24%)
Found it difficult	2,703 (21%)
Found it very difficult	2,035 (16%)
Missing	70 (0.5%)
Abuse	
Yes	1,468 (11%)
No	10,526 (82%)
Missing	771 (6.0%)
Outsider growing up	
Yes	1,926 (15%)
No	10,780 (84%)
Missing	59 (0.5%)
Self-rated health growing up	
Excellent	2,182 (17%)
Very good	3,882 (30%)
Good	4,028 (32%)
Fair	2,202 (17%)
Poor	424 (3.3%)
Missing	47 (0.4%)
Immigration status	
Born in this country	12,629 (99%)

Characteristic	N = 12,765[1]
Age group	
1998-2005; current age: 18-24	2,543 (20%)
1993-1998; age: 25-29	1,640 (13%)
1983-1993; age: 30-39	3,109 (24%)
1973-1983; age 40-49	2,275 (18%)
1963-1973; age 50-59	1,574 (12%)
1953-1963; age 60-69	1,188 (9.3%)
1943-1953; age 70-79	370 (2.9%)
1943 or earlier; age 80+	67 (0.5%)
Missing	0 (0%)
Gender	
Male	6,473 (51%)
Female	6,292 (49%)
Other	0 (0%)
Missing	0 (0%)
Religious affiliation at age 12	
Buddhism	180 (1.4%)
Christianity	254 (2.0%)
Hinduism	10,417 (82%)
Islam	1,550 (12%)
Jainism	9 (<0.1%)
No religion/Atheist/Agnostic	7 (<0.1%)
Primal, Animist, or Folk religion	27 (0.2%)
Shinto	4 (<0.1%)
Sikhism	126 (1.0%)
Some other religion	59 (0.5%)
Missing	131 (1.0%)
Race and ethnicity	
General	3,538 (28%)
Other backward caste	4,177 (33%)
Schedule caste	3,599 (28%)
Schedule tribe	1,185 (9.3%)
Missing	267 (2.1%)

Characteristic	N = 12,765[1]	Characteristic	N = 12,765[1]
Born in another country	110 (0.9%)		
Missing	26 (0.2%)		
Age 12 religious service attendance			
At least 1/week	5,288 (41%)		
1-3/month	2,959 (23%)		
<1/month	2,719 (21%)		
Never	1,478 (12%)		
Missing	321 (2.5%)		

[1]n (%)

Table S7. Nationally representative descriptive statistics for Indonesia

Characteristic	N = 6,992[1]	Characteristic	N = 6,992[1]
Relationship with mother		**Age group**	
Very good	6,238 (89%)	1998-2005; current age: 18-24	1,216 (17%)
Somewhat good	583 (8.3%)	1993-1998; age: 25-29	849 (12%)
Somewhat bad	50 (0.7%)	1983-1993; age: 30-39	1,591 (23%)
Very bad	26 (0.4%)	1973-1983; age 40-49	1,576 (23%)
Does not apply	68 (1.0%)	1963-1973; age 50-59	1,169 (17%)
Missing	27 (0.4%)	1953-1963; age 60-69	490 (7.0%)
Relationship with father		1943-1953; age 70-79	83 (1.2%)
Very good	6,067 (87%)	1943 or earlier; age 80+	17 (0.2%)
Somewhat good	628 (9.0%)	Missing	0 (0%)
Somewhat bad	68 (1.0%)	**Gender**	
Very bad	52 (0.7%)	Male	3,461 (50%)
Does not apply	115 (1.6%)	Female	3,513 (50%)
Missing	61 (0.9%)	Other	7 (<0.1%)
Parent marital status		Missing	11 (0.2%)
Yes, married	5,557 (79%)	**Religious affiliation at age 12**	
No, divorced	448 (6.4%)	Buddhism	5 (<0.1%)
Never married	47 (0.7%)	Christianity	528 (7.6%)
No, one or both of them had died	735 (11%)	Confucianism	1 (<0.1%)
Missing	205 (2.9%)	Hinduism	75 (1.1%)
Subjective financial status of family growing up		Islam	6,373 (91%)
Lived comfortably	3,408 (49%)	Jainism	1 (<0.1%)
Got by	2,955 (42%)	No religion/Atheist/Agnostic	2 (<0.1%)
Found it difficult	439 (6.3%)	Primal, Animist, or Folk religion	1 (<0.1%)
Found it very difficult	181 (2.6%)	Taoism	0 (<0.1%)
Missing	9 (0.1%)	Missing	8 (0.1%)
Abuse		**Race and ethnicity**	
Yes	486 (6.9%)	Bali	69 (1.0%)
No	6,427 (92%)	Banjar/Melayu Banjar	320 (4.6%)
Missing	79 (1.1%)	Batak	165 (2.4%)
Outsider growing up		Betawi	251 (3.6%)
Yes	343 (4.9%)	Bugis	243 (3.5%)
No	6,639 (95%)	Jawa	2,846 (41%)
Missing	10 (0.1%)	Madura	262 (3.7%)
Self-rated health growing up		Makasar	91 (1.3%)
Excellent	1,246 (18%)	Minangkabau	273 (3.9%)
Very good	1,968 (28%)	Other	1,262 (18%)
Good	2,490 (36%)	Sunda/Parahyangan	1,172 (17%)
Fair	1,233 (18%)	Missing	38 (0.5%)
Poor	55 (0.8%)		
Missing	1 (<0.1%)		
Immigration status			
Born in this country	6,958 (100%)		

Characteristic	N = 6,992[1]	Characteristic	N = 6,992[1]
Born in another country	34 (0.5%)		
Missing	0 (0%)		
Age 12 religious service attendance			
At least 1/week	5,363 (77%)		
1-3/month	973 (14%)		
<1/month	329 (4.7%)		
Never	275 (3.9%)		
Missing	51 (0.7%)		

[1]n (%)

Table S8. Nationally representative descriptive statistics for Israel

Characteristic	N = 3,669[1]
Relationship with mother	
Very good	2,686 (73%)
Somewhat good	793 (22%)
Somewhat bad	110 (3.0%)
Very bad	18 (0.5%)
Does not apply	45 (1.2%)
Missing	17 (0.5%)
Relationship with father	
Very good	2,290 (62%)
Somewhat good	912 (25%)
Somewhat bad	234 (6.4%)
Very bad	37 (1.0%)
Does not apply	171 (4.7%)
Missing	25 (0.7%)
Parent marital status	
Yes, married	3,172 (86%)
No, divorced	284 (7.8%)
Never married	36 (1.0%)
No, one or both of them had died	130 (3.5%)
Missing	47 (1.3%)
Subjective financial status of family growing up	
Lived comfortably	923 (25%)
Got by	1,822 (50%)
Found it difficult	667 (18%)
Found it very difficult	239 (6.5%)
Missing	17 (0.5%)
Abuse	
Yes	0 (0%)
No	0 (0%)
Missing	3,669 (100%)
Outsider growing up	
Yes	371 (10%)
No	3,228 (88%)
Missing	70 (1.9%)
Self-rated health growing up	
Excellent	1,785 (49%)
Very good	1,284 (35%)
Good	480 (13%)
Fair	105 (2.9%)
Poor	6 (0.2%)
Missing	8 (0.2%)
Immigration status	
Born in this country	2,796 (76%)
Born in another country	868 (24%)

Characteristic	N = 3,669[1]
Age group	
1998-2005; current age: 18-24	553 (15%)
1993-1998; age: 25-29	407 (11%)
1983-1993; age: 30-39	666 (18%)
1973-1983; age 40-49	616 (17%)
1963-1973; age 50-59	542 (15%)
1953-1963; age 60-69	469 (13%)
1943-1953; age 70-79	336 (9.2%)
1943 or earlier; age 80+	79 (2.2%)
Missing	0 (0%)
Gender	
Male	1,791 (49%)
Female	1,872 (51%)
Other	0 (<0.1%)
Missing	6 (0.2%)
Religious affiliation at age 12	
Baha'i	1 (<0.1%)
Christianity	60 (1.6%)
Islam	647 (18%)
Judaism	2,873 (78%)
No religion/Atheist/Agnostic	69 (1.9%)
Primal, Animist, or Folk religion	3 (<0.1%)
Sikhism	1 (<0.1%)
Some other religion	5 (0.1%)
Missing	10 (0.3%)
Race and ethnicity	
Arab	674 (18%)
Jewish	2,926 (80%)
Other	39 (1.1%)
Missing	30 (0.8%)

Characteristic	N = 3,669[1]	Characteristic	N = 3,669[1]
Missing	5 (0.1%)		
Age 12 religious service attendance			
At least 1/week	867 (24%)		
1-3/month	435 (12%)		
<1/month	810 (22%)		
Never	1,539 (42%)		
Missing	17 (0.5%)		

[1]n (%)

Table S9. Nationally representative descriptive statistics for Japan

Characteristic	N = 20,543[1]
Relationship with mother	
Very good	5,630 (27%)
Somewhat good	9,461 (46%)
Somewhat bad	2,750 (13%)
Very bad	799 (3.9%)
Does not apply	1,838 (8.9%)
Missing	66 (0.3%)
Relationship with father	
Very good	4,156 (20%)
Somewhat good	9,081 (44%)
Somewhat bad	3,446 (17%)
Very bad	1,223 (6.0%)
Does not apply	2,580 (13%)
Missing	57 (0.3%)
Parent marital status	
Yes, married	17,713 (86%)
No, divorced	1,127 (5.5%)
Never married	591 (2.9%)
No, one or both of them had died	754 (3.7%)
Missing	359 (1.7%)
Subjective financial status of family growing up	
Lived comfortably	8,320 (41%)
Got by	8,799 (43%)
Found it difficult	2,398 (12%)
Found it very difficult	973 (4.7%)
Missing	52 (0.3%)
Abuse	
Yes	1,482 (7.2%)
No	18,964 (92%)
Missing	96 (0.5%)
Outsider growing up	
Yes	1,963 (9.6%)
No	17,136 (83%)
Missing	1,444 (7.0%)
Self-rated health growing up	
Excellent	2,711 (13%)
Very good	7,106 (35%)
Good	6,689 (33%)
Fair	3,199 (16%)
Poor	758 (3.7%)
Missing	80 (0.4%)
Immigration status	
Born in this country	19,548 (95%)
Born in another country	158 (0.8%)

Characteristic	N = 20,543[1]
Age group	
1998-2005; current age: 18-24	1,589 (7.7%)
1993-1998; age: 25-29	806 (3.9%)
1983-1993; age: 30-39	2,851 (14%)
1973-1983; age 40-49	3,363 (16%)
1963-1973; age 50-59	3,770 (18%)
1953-1963; age 60-69	4,118 (20%)
1943-1953; age 70-79	3,554 (17%)
1943 or earlier; age 80+	493 (2.4%)
Missing	0 (0%)
Gender	
Male	9,847 (48%)
Female	10,602 (52%)
Other	28 (0.1%)
Missing	66 (0.3%)
Religious affiliation at age 12	
Baha'i	7 (<0.1%)
Buddhism	6,536 (32%)
Christianity	343 (1.7%)
Confucianism	25 (0.1%)
Hinduism	4 (<0.1%)
Islam	7 (<0.1%)
Jainism	1 (<0.1%)
No religion/Atheist/Agnostic	12,950 (63%)
Primal, Animist, or Folk religion	13 (<0.1%)
Shinto	382 (1.9%)
Some other religion	46 (0.2%)
Taoism	14 (<0.1%)
Missing	215 (1.0%)
Race and ethnicity	
Missing	20,543 (100%)

Characteristic	N = 20,543[1]	Characteristic	N = 20,543[1]
Missing	837 (4.1%)		
Age 12 religious service attendance			
At least 1/week	398 (1.9%)		
1-3/month	883 (4.3%)		
<1/month	5,023 (24%)		
Never	14,117 (69%)		
Missing	123 (0.6%)		

[1]n (%)

Table S10. Nationally representative descriptive statistics for Kenya

Characteristic	N = 11,389[1]
Relationship with mother	
Very good	9,418 (83%)
Somewhat good	1,435 (13%)
Somewhat bad	130 (1.1%)
Very bad	100 (0.9%)
Does not apply	240 (2.1%)
Missing	66 (0.6%)
Relationship with father	
Very good	7,958 (70%)
Somewhat good	1,896 (17%)
Somewhat bad	216 (1.9%)
Very bad	220 (1.9%)
Does not apply	967 (8.5%)
Missing	132 (1.2%)
Parent marital status	
Yes, married	9,238 (81%)
No, divorced	697 (6.1%)
Never married	681 (6.0%)
No, one or both of them had died	471 (4.1%)
Missing	301 (2.6%)
Subjective financial status of family growing up	
Lived comfortably	3,026 (27%)
Got by	3,279 (29%)
Found it difficult	4,071 (36%)
Found it very difficult	994 (8.7%)
Missing	19 (0.2%)
Abuse	
Yes	1,300 (11%)
No	10,039 (88%)
Missing	49 (0.4%)
Outsider growing up	
Yes	1,223 (11%)
No	10,114 (89%)
Missing	52 (0.5%)
Self-rated health growing up	
Excellent	4,449 (39%)
Very good	2,598 (23%)
Good	2,582 (23%)
Fair	1,384 (12%)
Poor	349 (3.1%)
Missing	26 (0.2%)
Immigration status	
Born in this country	11,270 (99%)
Born in another country	117 (1.0%)

Characteristic	N = 11,389[1]
Age group	
1998-2005; current age: 18-24	2,868 (25%)
1993-1998; age: 25-29	2,035 (18%)
1983-1993; age: 30-39	2,564 (23%)
1973-1983; age 40-49	1,708 (15%)
1963-1973; age 50-59	1,072 (9.4%)
1953-1963; age 60-69	710 (6.2%)
1943-1953; age 70-79	360 (3.2%)
1943 or earlier; age 80+	67 (0.6%)
Missing	5 (<0.1%)
Gender	
Male	5,567 (49%)
Female	5,813 (51%)
Other	2 (<0.1%)
Missing	7 (<0.1%)
Religious affiliation at age 12	
Baha'i	3 (<0.1%)
Buddhism	5 (<0.1%)
Christianity	10,369 (91%)
Islam	916 (8.0%)
Jainism	1 (<0.1%)
Judaism	6 (<0.1%)
No religion/Atheist/Agnostic	67 (0.6%)
Primal, Animist, or Folk religion	13 (0.1%)
Sikhism	0 (<0.1%)
Some other religion	0 (<0.1%)
Missing	9 (<0.1%)
Race and ethnicity	
Embu	197 (1.7%)
Kalenjin	1,377 (12%)
Kamba	1,299 (11%)
Kenyan Somali/Somali	396 (3.5%)
Kikuyu	2,119 (19%)
Kisii	789 (6.9%)
Luhya	1,943 (17%)
Luo	1,120 (9.8%)
Maasai	237 (2.1%)
Meru	630 (5.5%)
Miji Kenda tribes	708 (6.2%)
Other	548 (4.8%)
Missing	27 (0.2%)

Characteristic	N = 11,389[1]	Characteristic	N = 11,389[1]
Missing	2 (<0.1%)		
Age 12 religious service attendance			
At least 1/week	9,189 (81%)		
1-3/month	1,687 (15%)		
<1/month	236 (2.1%)		
Never	198 (1.7%)		
Missing	79 (0.7%)		

[1]n (%)

Table S11. Nationally representative descriptive statistics for Mexico

Characteristic	N = 5,776[1]	Characteristic	N = 5,776[1]
Relationship with mother		**Age group**	
Very good	3,912 (68%)	1998-2005; current age: 18-24	986 (17%)
Somewhat good	1,340 (23%)	1993-1998; age: 25-29	623 (11%)
Somewhat bad	177 (3.1%)	1983-1993; age: 30-39	1,312 (23%)
Very bad	90 (1.6%)	1973-1983; age 40-49	1,027 (18%)
Does not apply	177 (3.1%)	1963-1973; age 50-59	873 (15%)
Missing	80 (1.4%)	1953-1963; age 60-69	611 (11%)
Relationship with father		1943-1953; age 70-79	277 (4.8%)
Very good	3,089 (53%)	1943 or earlier; age 80+	68 (1.2%)
Somewhat good	1,556 (27%)	Missing	0 (0%)
Somewhat bad	335 (5.8%)	**Gender**	
Very bad	267 (4.6%)	Male	2,755 (48%)
Does not apply	470 (8.1%)	Female	2,997 (52%)
Missing	60 (1.0%)	Other	3 (<0.1%)
Parent marital status		Missing	21 (0.4%)
Yes, married	3,999 (69%)	**Religious affiliation at age 12**	
No, divorced	341 (5.9%)	Baha'i	1 (<0.1%)
Never married	827 (14%)	Buddhism	1 (<0.1%)
No, one or both of them had died	176 (3.0%)	Christianity	5,337 (92%)
Missing	432 (7.5%)	Hinduism	1 (<0.1%)
Subjective financial status of family growing up		Islam	6 (<0.1%)
Lived comfortably	1,775 (31%)	Judaism	8 (0.1%)
Got by	1,872 (32%)	No religion/Atheist/Agnostic	328 (5.7%)
Found it difficult	1,712 (30%)	Primal, Animist, or Folk religion	2 (<0.1%)
Found it very difficult	369 (6.4%)	Shinto	2 (<0.1%)
Missing	48 (0.8%)	Sikhism	4 (<0.1%)
Abuse		Some other religion	7 (0.1%)
Yes	905 (16%)	Taoism	5 (<0.1%)
No	4,604 (80%)	Missing	74 (1.3%)
Missing	267 (4.6%)	**Race and ethnicity**	
Outsider growing up		Black	108 (1.9%)
Yes	772 (13%)	Indigenous	594 (10%)
No	4,897 (85%)	Mestizo	2,762 (48%)
Missing	107 (1.9%)	Mulatto	63 (1.1%)
Self-rated health growing up		Other	339 (5.9%)
Excellent	1,860 (32%)	White	1,116 (19%)
Very good	1,350 (23%)	Missing	794 (14%)
Good	1,677 (29%)		
Fair	743 (13%)		
Poor	133 (2.3%)		
Missing	14 (0.2%)		
Immigration status			
Born in this country	5,517 (96%)		

Characteristic	N = 5,776[1]	Characteristic	N = 5,776[1]
Born in another country	108 (1.9%)		
Missing	151 (2.6%)		
Age 12 religious service attendance			
At least 1/week	2,514 (44%)		
1-3/month	1,162 (20%)		
<1/month	1,087 (19%)		
Missing	69 (1.2%)		

[1]n (%)

Table S12. Nationally representative descriptive statistics for Nigeria

Characteristic	N = 6,827[1]	Characteristic	N = 6,827[1]
Relationship with mother		**Age group**	
Very good	5,986 (88%)	1998-2005; current age: 18-24	1,533 (22%)
Somewhat good	648 (9.5%)	1993-1998; age: 25-29	1,193 (17%)
Somewhat bad	62 (0.9%)	1983-1993; age: 30-39	1,943 (28%)
Very bad	18 (0.3%)	1973-1983; age 40-49	1,059 (16%)
Does not apply	104 (1.5%)	1963-1973; age 50-59	619 (9.1%)
Missing	9 (0.1%)	1953-1963; age 60-69	296 (4.3%)
Relationship with father		1943-1953; age 70-79	133 (2.0%)
Very good	5,578 (82%)	1943 or earlier; age 80+	50 (0.7%)
Somewhat good	924 (14%)	Missing	0 (0%)
Somewhat bad	76 (1.1%)	**Gender**	
Very bad	43 (0.6%)	Male	3,371 (49%)
Does not apply	177 (2.6%)	Female	3,456 (51%)
Missing	29 (0.4%)	Other	0 (<0.1%)
Parent marital status		Missing	0 (0%)
Yes, married	5,568 (82%)	**Religious affiliation at age 12**	
No, divorced	307 (4.5%)	Buddhism	0 (<0.1%)
Never married	335 (4.9%)	Christianity	3,463 (51%)
No, one or both of them had died	462 (6.8%)	Confucianism	0 (<0.1%)
Missing	154 (2.3%)	Islam	3,314 (49%)
Subjective financial status of family growing up		No religion/Atheist/Agnostic	19 (0.3%)
Lived comfortably	2,192 (32%)	Primal, Animist, or Folk religion	17 (0.3%)
Got by	2,381 (35%)	Missing	14 (0.2%)
Found it difficult	1,661 (24%)	**Race and ethnicity**	
Found it very difficult	563 (8.3%)	Edo	116 (1.7%)
Missing	29 (0.4%)	Efik	48 (0.7%)
Abuse		Fulani	266 (3.9%)
Yes	880 (13%)	Hausa	2,342 (34%)
No	5,851 (86%)	Ibibio	180 (2.6%)
Missing	96 (1.4%)	Idoma	61 (0.9%)
Outsider growing up		Igala	77 (1.1%)
Yes	669 (9.8%)	Igbo (Ibo)	1,111 (16%)
No	6,059 (89%)	Ijaw	110 (1.6%)
Missing	99 (1.5%)	Kanuri	31 (0.5%)
Self-rated health growing up		Other	1,014 (15%)
Excellent	2,644 (39%)	Tiv	198 (2.9%)
Very good	2,613 (38%)	Urhobo	38 (0.6%)
Good	1,152 (17%)	Yoruba	1,230 (18%)
Fair	306 (4.5%)	Missing	4 (<0.1%)
Poor	98 (1.4%)		
Missing	14 (0.2%)		
Immigration status			
Born in this country	6,779 (99%)		
Born in another country	47 (0.7%)		

Characteristic	N = 6,827[1]	Characteristic	N = 6,827[1]
Missing	1 (<0.1%)		
Age 12 religious service attendance			
At least 1/week	5,907 (87%)		
1-3/month	600 (8.8%)		
<1/month	136 (2.0%)		
Never	138 (2.0%)		
Missing	45 (0.7%)		

[1]n (%)

Table S13. Nationally representative descriptive statistics for Philippines

Characteristic	N = 5,292[1]
Relationship with mother	
Very good	3,333 (63%)
Somewhat good	1,703 (32%)
Somewhat bad	124 (2.3%)
Very bad	39 (0.7%)
Does not apply	59 (1.1%)
Missing	35 (0.7%)
Relationship with father	
Very good	3,443 (65%)
Somewhat good	1,429 (27%)
Somewhat bad	159 (3.0%)
Very bad	58 (1.1%)
Does not apply	108 (2.0%)
Missing	95 (1.8%)
Parent marital status	
Yes, married	4,575 (86%)
No, divorced	64 (1.2%)
Never married	517 (9.8%)
No, one or both of them had died	51 (1.0%)
Missing	85 (1.6%)
Subjective financial status of family growing up	
Lived comfortably	937 (18%)
Got by	3,006 (57%)
Found it difficult	1,055 (20%)
Found it very difficult	291 (5.5%)
Missing	3 (<0.1%)
Abuse	
Yes	420 (7.9%)
No	4,837 (91%)
Missing	35 (0.7%)
Outsider growing up	
Yes	395 (7.5%)
No	4,884 (92%)
Missing	13 (0.2%)
Self-rated health growing up	
Excellent	1,041 (20%)
Very good	559 (11%)
Good	2,174 (41%)
Fair	1,246 (24%)
Poor	272 (5.1%)
Missing	0 (<0.1%)
Immigration status	
Born in this country	5,284 (100%)

Characteristic	N = 5,292[1]
Age group	
1998-2005; current age: 18-24	1,073 (20%)
1993-1998; age: 25-29	695 (13%)
1983-1993; age: 30-39	1,160 (22%)
1973-1983; age 40-49	972 (18%)
1963-1973; age 50-59	732 (14%)
1953-1963; age 60-69	495 (9.4%)
1943-1953; age 70-79	143 (2.7%)
1943 or earlier; age 80+	23 (0.4%)
Missing	0 (0%)
Gender	
Male	2,625 (50%)
Female	2,643 (50%)
Other	13 (0.2%)
Missing	11 (0.2%)
Religious affiliation at age 12	
Baha'i	1 (<0.1%)
Buddhism	1 (<0.1%)
Christianity	4,968 (94%)
Islam	276 (5.2%)
No religion/Atheist/Agnostic	9 (0.2%)
Primal, Animist, or Folk religion	14 (0.3%)
Sikhism	4 (<0.1%)
Some other religion	9 (0.2%)
Missing	11 (0.2%)
Race and ethnicity	
Aeta	1 (<0.1%)
Badjao	2 (<0.1%)
Bicolano/Bikolano	300 (5.7%)
Cebuano	656 (12%)
Chinese-Filipino	3 (<0.1%)
Igorot	42 (0.8%)
Ilocano/Ilokano	429 (8.1%)
Ilonggo/Hiligaynon	428 (8.1%)
Kapampangan	107 (2.0%)
Maguindanaoan	84 (1.6%)
Mangyan	2 (<0.1%)
Maranao	39 (0.7%)
Masbateno	54 (1.0%)
Other	244 (4.6%)
Pangasinense	107 (2.0%)
Tagalog	1,691 (32%)
Tausug	94 (1.8%)

Characteristic	N = 5,292[1]	Characteristic	N = 5,292[1]
Born in another country	8 (0.1%)	Visayan/Bisaya	739 (14%)
Missing	0 (0%)	Waray	216 (4.1%)
Age 12 religious service attendance		Zamboangueno	51 (1.0%)
At least 1/week	2,453 (46%)	Missing	3 (<0.1%)
1-3/month	1,699 (32%)		
<1/month	892 (17%)		
Never	201 (3.8%)		
Missing	47 (0.9%)		

[1]n (%)

Table S14. Nationally representative descriptive statistics for Poland

Characteristic	N = 10,389[1]
Relationship with mother	
Very good	4,879 (47%)
Somewhat good	4,973 (48%)
Somewhat bad	285 (2.7%)
Very bad	58 (0.6%)
Does not apply	80 (0.8%)
Missing	112 (1.1%)
Relationship with father	
Very good	4,231 (41%)
Somewhat good	4,984 (48%)
Somewhat bad	516 (5.0%)
Very bad	78 (0.7%)
Does not apply	407 (3.9%)
Missing	173 (1.7%)
Parent marital status	
Yes, married	8,972 (86%)
No, divorced	587 (5.7%)
Never married	193 (1.9%)
No, one or both of them had died	313 (3.0%)
Missing	324 (3.1%)
Subjective financial status of family growing up	
Lived comfortably	1,384 (13%)
Got by	6,257 (60%)
Found it difficult	2,133 (21%)
Found it very difficult	509 (4.9%)
Missing	106 (1.0%)
Abuse	
Yes	325 (3.1%)
No	10,009 (96%)
Missing	55 (0.5%)
Outsider growing up	
Yes	490 (4.7%)
No	9,615 (93%)
Missing	284 (2.7%)
Self-rated health growing up	
Excellent	2,676 (26%)
Very good	5,371 (52%)
Good	1,779 (17%)
Fair	406 (3.9%)
Poor	123 (1.2%)
Missing	34 (0.3%)
Immigration status	
Age group	
1998-2005; current age: 18-24	955 (9.2%)
1993-1998; age: 25-29	761 (7.3%)
1983-1993; age: 30-39	2,159 (21%)
1973-1983; age 40-49	1,956 (19%)
1963-1973; age 50-59	1,670 (16%)
1953-1963; age 60-69	1,909 (18%)
1943-1953; age 70-79	833 (8.0%)
1943 or earlier; age 80+	145 (1.4%)
Missing	1 (<0.1%)
Gender	
Male	4,974 (48%)
Female	5,387 (52%)
Other	3 (<0.1%)
Missing	26 (0.2%)
Religious affiliation at age 12	
Buddhism	2 (<0.1%)
Christianity	9,861 (95%)
Islam	3 (<0.1%)
No religion/Atheist/Agnostic	482 (4.6%)
Primal, Animist, or Folk religion	5 (<0.1%)
Sikhism	1 (<0.1%)
Missing	35 (0.3%)
Race and ethnicity	
Belarussian	2 (<0.1%)
German	4 (<0.1%)
Kashubians	3 (<0.1%)
Other	4 (<0.1%)
Polish	10,309 (99%)
Silesia	14 (0.1%)
Ukrainian	38 (0.4%)
Missing	14 (0.1%)

Characteristic	N = 10,389[1]	Characteristic	N = 10,389[1]
Born in this country	10,258 (99%)		
Born in another country	108 (1.0%)		
Missing	23 (0.2%)		
Age 12 religious service attendance			
At least 1/week	4,751 (46%)		
1-3/month	2,689 (26%)		
<1/month	2,161 (21%)		
Never	354 (3.4%)		
Missing	434 (4.2%)		

[1]n (%)

Table S15. Nationally representative descriptive statistics for South Africa

Characteristic	N = 2,651[1]
Relationship with mother	
Very good	2,186 (82%)
Somewhat good	263 (9.9%)
Somewhat bad	51 (1.9%)
Very bad	39 (1.5%)
Does not apply	90 (3.4%)
Missing	21 (0.8%)
Relationship with father	
Very good	1,656 (62%)
Somewhat good	333 (13%)
Somewhat bad	86 (3.3%)
Very bad	159 (6.0%)
Does not apply	331 (12%)
Missing	85 (3.2%)
Parent marital status	
Yes, married	1,321 (50%)
No, divorced	131 (5.0%)
Never married	904 (34%)
No, one or both of them had died	140 (5.3%)
Missing	155 (5.8%)
Subjective financial status of family growing up	
Lived comfortably	1,050 (40%)
Got by	875 (33%)
Found it difficult	432 (16%)
Found it very difficult	289 (11%)
Missing	5 (0.2%)
Abuse	
Yes	450 (17%)
No	2,149 (81%)
Missing	52 (2.0%)
Outsider growing up	
Yes	434 (16%)
No	2,211 (83%)
Missing	6 (0.2%)
Self-rated health growing up	
Excellent	1,225 (46%)
Very good	590 (22%)
Good	370 (14%)
Fair	266 (10%)
Poor	183 (6.9%)
Missing	17 (0.6%)
Immigration status	
Born in this country	2,511 (95%)

Characteristic	N = 2,651[1]
Age group	
1998-2005; current age: 18-24	461 (17%)
1993-1998; age: 25-29	364 (14%)
1983-1993; age: 30-39	655 (25%)
1973-1983; age 40-49	522 (20%)
1963-1973; age 50-59	309 (12%)
1953-1963; age 60-69	195 (7.4%)
1943-1953; age 70-79	120 (4.5%)
1943 or earlier; age 80+	17 (0.6%)
Missing	9 (0.3%)
Gender	
Male	1,288 (49%)
Female	1,356 (51%)
Other	2 (<0.1%)
Missing	4 (0.2%)
Religious affiliation at age 12	
Buddhism	11 (0.4%)
Christianity	2,323 (88%)
Hinduism	2 (<0.1%)
Islam	52 (2.0%)
No religion/Atheist/Agnostic	107 (4.1%)
Primal, Animist, or Folk religion	117 (4.4%)
Shinto	2 (<0.1%)
Some other religion	7 (0.3%)
Taoism	1 (<0.1%)
Missing	27 (1.0%)
Race and ethnicity	
Asian/Indian	6 (0.2%)
Black	2,381 (90%)
Colored	252 (9.5%)
Other	1 (<0.1%)
White	8 (0.3%)
Missing	3 (0.1%)

Characteristic	N = 2,651[1]	Characteristic	N = 2,651[1]
Born in another country	139 (5.2%)		
Missing	1 (<0.1%)		
Age 12 religious service attendance			
At least 1/week	1,681 (63%)		
1-3/month	552 (21%)		
<1/month	175 (6.6%)		
Never	217 (8.2%)		
Missing	26 (1.0%)		

[1]n (%)

Table S16. Nationally representative descriptive statistics for Spain

Characteristic	N = 6,290[1]
Relationship with mother	
Very good	4,557 (72%)
Somewhat good	1,258 (20%)
Somewhat bad	248 (3.9%)
Very bad	92 (1.5%)
Does not apply	107 (1.7%)
Missing	28 (0.4%)
Relationship with father	
Very good	4,131 (66%)
Somewhat good	1,397 (22%)
Somewhat bad	309 (4.9%)
Very bad	178 (2.8%)
Does not apply	243 (3.9%)
Missing	33 (0.5%)
Parent marital status	
Yes, married	5,285 (84%)
No, divorced	378 (6.0%)
Never married	312 (5.0%)
No, one or both of them had died	126 (2.0%)
Missing	188 (3.0%)
Subjective financial status of family growing up	
Lived comfortably	2,041 (32%)
Got by	2,956 (47%)
Found it difficult	1,154 (18%)
Found it very difficult	110 (1.7%)
Missing	29 (0.5%)
Abuse	
Yes	659 (10%)
No	5,510 (88%)
Missing	122 (1.9%)
Outsider growing up	
Yes	579 (9.2%)
No	5,637 (90%)
Missing	75 (1.2%)
Self-rated health growing up	
Excellent	2,450 (39%)
Very good	2,286 (36%)
Good	1,235 (20%)
Fair	164 (2.6%)
Poor	135 (2.1%)
Missing	20 (0.3%)
Immigration status	
Born in this country	5,479 (87%)
Born in another country	788 (13%)
Missing	23 (0.4%)

Characteristic	N = 6,290[1]
Age group	
1998-2005; current age: 18-24	594 (9.4%)
1993-1998; age: 25-29	450 (7.2%)
1983-1993; age: 30-39	1,111 (18%)
1973-1983; age 40-49	1,396 (22%)
1963-1973; age 50-59	1,252 (20%)
1953-1963; age 60-69	977 (16%)
1943-1953; age 70-79	467 (7.4%)
1943 or earlier; age 80+	43 (0.7%)
Missing	0 (0%)
Gender	
Male	3,142 (50%)
Female	3,119 (50%)
Other	6 (0.1%)
Missing	22 (0.4%)
Religious affiliation at age 12	
Buddhism	8 (0.1%)
Christianity	5,119 (81%)
Confucianism	1 (<0.1%)
Hinduism	5 (<0.1%)
Islam	132 (2.1%)
Judaism	5 (<0.1%)
No religion/Atheist/Agnostic	972 (15%)
Primal, Animist, or Folk religion	4 (<0.1%)
Sikhism	2 (<0.1%)
Some other religion	13 (0.2%)
Missing	29 (0.5%)
Race and ethnicity	
Missing	6,290 (100%)

Characteristic	N = 6,290[1]	Characteristic	N = 6,290[1]
Age 12 religious service attendance			
At least 1/week	2,391 (38%)		
1-3/month	1,132 (18%)		
<1/month	1,287 (20%)		
Never	1,445 (23%)		
Missing	36 (0.6%)		

[1]n (%)

Table S17. Nationally representative descriptive statistics for Tanzania

Characteristic	N = 9,075[1]	Characteristic	N = 9,075[1]
Relationship with mother		**Age group**	
Very good	7,739 (85%)	1998-2005; current age: 18-24	2,284 (25%)
Somewhat good	796 (8.8%)	1993-1998; age: 25-29	1,349 (15%)
Somewhat bad	84 (0.9%)	1983-1993; age: 30-39	2,060 (23%)
Very bad	84 (0.9%)	1973-1983; age 40-49	1,503 (17%)
Does not apply	303 (3.3%)	1963-1973; age 50-59	912 (10%)
Missing	70 (0.8%)	1953-1963; age 60-69	575 (6.3%)
Relationship with father		1943-1953; age 70-79	297 (3.3%)
Very good	6,831 (75%)	1943 or earlier; age 80+	93 (1.0%)
Somewhat good	1,101 (12%)	Missing	2 (<0.1%)
Somewhat bad	203 (2.2%)	**Gender**	
Very bad	247 (2.7%)	Male	4,299 (47%)
Does not apply	550 (6.1%)	Female	4,776 (53%)
Missing	142 (1.6%)	Other	0 (0%)
Parent marital status		Missing	0 (0%)
Yes, married	6,929 (76%)	**Religious affiliation at age 12**	
No, divorced	678 (7.5%)	Baha'i	1 (<0.1%)
Never married	751 (8.3%)	Christianity	5,651 (62%)
No, one or both of them had died	313 (3.4%)	Islam	3,060 (34%)
Missing	404 (4.4%)	No religion/Atheist/Agnostic	345 (3.8%)
Subjective financial status of family growing up		Primal, Animist, or Folk religion	11 (0.1%)
Lived comfortably	2,611 (29%)	Missing	7 (<0.1%)
Got by	2,909 (32%)	**Race and ethnicity**	
Found it difficult	2,679 (30%)	African	9,060 (100%)
Found it very difficult	814 (9.0%)	Arab	11 (0.1%)
Missing	61 (0.7%)	Indian	3 (<0.1%)
Abuse		Missing	2 (<0.1%)
Yes	716 (7.9%)		
No	8,328 (92%)		
Missing	32 (0.3%)		
Outsider growing up			
Yes	734 (8.1%)		
No	8,320 (92%)		
Missing	22 (0.2%)		
Self-rated health growing up			
Excellent	2,406 (27%)		
Very good	2,036 (22%)		
Good	2,946 (32%)		
Fair	1,177 (13%)		
Poor	456 (5.0%)		
Missing	54 (0.6%)		

Characteristic	N = 9,075[1]	Characteristic	N = 9,075[1]
Immigration status			
Born in this country	9,048 (100%)		
Born in another country	25 (0.3%)		
Missing	1 (<0.1%)		
Age 12 religious service attendance			
At least 1/week	5,580 (61%)		
1-3/month	2,383 (26%)		
<1/month	333 (3.7%)		
Never	595 (6.6%)		
Missing	184 (2.0%)		

[1]n (%)

Table S18. Nationally representative descriptive statistics for Turkey

Characteristic	N = 1,473[1]
Relationship with mother	
Very good	970 (66%)
Somewhat good	401 (27%)
Somewhat bad	48 (3.2%)
Very bad	26 (1.8%)
Does not apply	21 (1.4%)
Missing	7 (0.5%)
Relationship with father	
Very good	795 (54%)
Somewhat good	425 (29%)
Somewhat bad	73 (5.0%)
Very bad	95 (6.5%)
Does not apply	60 (4.1%)
Missing	25 (1.7%)
Parent marital status	
Yes, married	1,325 (90%)
No, divorced	57 (3.9%)
Never married	7 (0.5%)
No, one or both of them had died	61 (4.1%)
Missing	23 (1.5%)
Subjective financial status of family growing up	
Lived comfortably	498 (34%)
Got by	647 (44%)
Found it difficult	218 (15%)
Found it very difficult	108 (7.3%)
Missing	2 (0.1%)
Abuse	
Yes	158 (11%)
No	1,290 (88%)
Missing	25 (1.7%)
Outsider growing up	
Yes	157 (11%)
No	1,306 (89%)
Missing	9 (0.6%)
Self-rated health growing up	
Excellent	377 (26%)
Very good	410 (28%)
Good	419 (28%)
Fair	220 (15%)
Poor	47 (3.2%)
Missing	0 (<0.1%)
Immigration status	
Born in this country	1,415 (96%)
Born in another country	58 (4.0%)

Characteristic	N = 1,473[1]
Age group	
1998-2005; current age: 18-24	222 (15%)
1993-1998; age: 25-29	152 (10%)
1983-1993; age: 30-39	315 (21%)
1973-1983; age 40-49	312 (21%)
1963-1973; age 50-59	225 (15%)
1953-1963; age 60-69	164 (11%)
1943-1953; age 70-79	65 (4.4%)
1943 or earlier; age 80+	18 (1.2%)
Missing	0 (0%)
Gender	
Male	754 (51%)
Female	719 (49%)
Other	0 (0%)
Missing	0 (0%)
Religious affiliation at age 12	
Christianity	1 (<0.1%)
Islam	1,439 (98%)
Judaism	1 (<0.1%)
No religion/Atheist/Agnostic	13 (0.9%)
Missing	19 (1.3%)
Race and ethnicity	
Albanian	8 (0.5%)
Arab	51 (3.5%)
Armenian	1 (<0.1%)
Azeri	9 (0.6%)
Bosnian	5 (0.3%)
Circassian	19 (1.3%)
Georgian	4 (0.3%)
Greek	1 (<0.1%)
Kurdish/Zaza	252 (17%)
Laz	25 (1.7%)
Other	58 (3.9%)
Turkish	1,030 (70%)
Uyghur	1 (<0.1%)
Missing	9 (0.6%)

Characteristic	N = 1,473[1]	Characteristic	N = 1,473[1]
Missing	0 (0%)		
Age 12 religious service attendance			
At least 1/week	609 (41%)		
1-3/month	238 (16%)		
<1/month	225 (15%)		
Never	383 (26%)		
Missing	18 (1.2%)		

[1]n (%)

Table S19. Nationally representative descriptive statistics for United Kingdom

Characteristic	N = 5,368[1]
Relationship with mother	
Very good	3,435 (64%)
Somewhat good	1,338 (25%)
Somewhat bad	325 (6.1%)
Very bad	150 (2.8%)
Does not apply	92 (1.7%)
Missing	27 (0.5%)
Relationship with father	
Very good	2,907 (54%)
Somewhat good	1,383 (26%)
Somewhat bad	407 (7.6%)
Very bad	321 (6.0%)
Does not apply	321 (6.0%)
Missing	29 (0.5%)
Parent marital status	
Yes, married	4,343 (81%)
No, divorced	481 (9.0%)
Never married	315 (5.9%)
No, one or both of them had died	154 (2.9%)
Missing	75 (1.4%)
Subjective financial status of family growing up	
Lived comfortably	2,552 (48%)
Got by	1,933 (36%)
Found it difficult	632 (12%)
Found it very difficult	230 (4.3%)
Missing	22 (0.4%)
Abuse	
Yes	864 (16%)
No	4,455 (83%)
Missing	49 (0.9%)
Outsider growing up	
Yes	1,017 (19%)
No	4,308 (80%)
Missing	43 (0.8%)
Self-rated health growing up	
Excellent	2,154 (40%)
Very good	1,736 (32%)
Good	995 (19%)
Fair	332 (6.2%)
Poor	130 (2.4%)
Missing	20 (0.4%)
Immigration status	
Born in this country	4,659 (87%)

Characteristic	N = 5,368[1]
Age group	
1998-2005; current age: 18-24	490 (9.1%)
1993-1998; age: 25-29	391 (7.3%)
1983-1993; age: 30-39	946 (18%)
1973-1983; age 40-49	827 (15%)
1963-1973; age 50-59	949 (18%)
1953-1963; age 60-69	889 (17%)
1943-1953; age 70-79	711 (13%)
1943 or earlier; age 80+	163 (3.0%)
Missing	1 (<0.1%)
Gender	
Male	2,557 (48%)
Female	2,789 (52%)
Other	14 (0.3%)
Missing	9 (0.2%)
Religious affiliation at age 12	
Baha'i	5 (<0.1%)
Buddhism	15 (0.3%)
Christianity	3,461 (64%)
Confucianism	3 (<0.1%)
Hinduism	88 (1.6%)
Islam	230 (4.3%)
Jainism	0 (<0.1%)
Judaism	59 (1.1%)
No religion/Atheist/Agnostic	1,409 (26%)
Primal, Animist, or Folk religion	22 (0.4%)
Sikhism	30 (0.6%)
Some other religion	24 (0.5%)
Taoism	2 (<0.1%)
Missing	21 (0.4%)
Race and ethnicity	
Asian	426 (7.9%)
Black	152 (2.8%)
Other	96 (1.8%)
White	4,647 (87%)
Missing	47 (0.9%)

Characteristic	N = 5,368[1]	Characteristic	N = 5,368[1]
Born in another country	682 (13%)		
Missing	27 (0.5%)		
Age 12 religious service attendance			
At least 1/week	1,732 (32%)		
1-3/month	733 (14%)		
<1/month	903 (17%)		
Never	1,972 (37%)		
Missing	28 (0.5%)		

[1]n (%)

Table S20. Nationally representative descriptive statistics for United States

Characteristic	N = 38,312[1]
Relationship with mother	
Very good	20,590 (54%)
Somewhat good	11,525 (30%)
Somewhat bad	3,523 (9.2%)
Very bad	1,874 (4.9%)
Does not apply	694 (1.8%)
Missing	106 (0.3%)
Relationship with father	
Very good	15,313 (40%)
Somewhat good	12,665 (33%)
Somewhat bad	4,879 (13%)
Very bad	2,604 (6.8%)
Does not apply	2,811 (7.3%)
Missing	38 (0.1%)
Parent marital status	
Yes, married	27,415 (72%)
No, divorced	6,325 (17%)
Never married	3,048 (8.0%)
No, one or both of them had died	1,024 (2.7%)
Missing	500 (1.3%)
Subjective financial status of family growing up	
Lived comfortably	15,116 (39%)
Got by	15,682 (41%)
Found it difficult	5,152 (13%)
Found it very difficult	2,342 (6.1%)
Missing	19 (<0.1%)
Abuse	
Yes	10,026 (26%)
No	28,045 (73%)
Missing	242 (0.6%)
Outsider growing up	
Yes	10,185 (27%)
No	27,714 (72%)
Missing	413 (1.1%)
Self-rated health growing up	
Excellent	16,866 (44%)
Very good	12,108 (32%)
Good	6,444 (17%)
Fair	2,303 (6.0%)
Poor	520 (1.4%)
Missing	71 (0.2%)
Immigration status	
Born in this country	34,865 (91%)
Born in another country	3,020 (7.9%)

Characteristic	N = 38,312[1]
Age group	
1998-2005; current age: 18-24	2,682 (7.0%)
1993-1998; age: 25-29	3,540 (9.2%)
1983-1993; age: 30-39	7,284 (19%)
1973-1983; age 40-49	5,649 (15%)
1963-1973; age 50-59	6,745 (18%)
1953-1963; age 60-69	6,832 (18%)
1943-1953; age 70-79	4,054 (11%)
1943 or earlier; age 80+	1,525 (4.0%)
Missing	0 (0%)
Gender	
Male	18,222 (48%)
Female	19,562 (51%)
Other	392 (1.0%)
Missing	136 (0.4%)
Religious affiliation at age 12	
Baha'i	4 (<0.1%)
Buddhism	172 (0.4%)
Christianity	30,444 (79%)
Confucianism	8 (<0.1%)
Hinduism	203 (0.5%)
Islam	220 (0.6%)
Jainism	18 (<0.1%)
Judaism	787 (2.1%)
No religion/Atheist/Agnostic	5,845 (15%)
Primal, Animist, or Folk religion	67 (0.2%)
Shinto	6 (<0.1%)
Sikhism	47 (0.1%)
Some other religion	359 (0.9%)
Taoism	17 (<0.1%)
Missing	115 (0.3%)
Race and ethnicity	
Asian	2,466 (6.4%)
Black	4,501 (12%)
Hispanic	6,724 (18%)
Other	997 (2.6%)
White	23,605 (62%)
Missing	20 (<0.1%)

Characteristic	N = 38,312[1]	Characteristic	N = 38,312[1]
Missing	427 (1.1%)		
Age 12 religious service attendance			
At least 1/week	18,609 (49%)		
1-3/month	6,644 (17%)		
<1/month	5,829 (15%)		
Never	7,085 (18%)		
Missing	145 (0.4%)		

[1]n (%)

Table S21. Nationally representative descriptive statistics for Sweden

Characteristic	N = 15,068[1]
Relationship with mother	
Very good	8,743 (58%)
Somewhat good	4,513 (30%)
Somewhat bad	1,194 (7.9%)
Very bad	371 (2.5%)
Does not apply	216 (1.4%)
Missing	30 (0.2%)
Relationship with father	
Very good	7,134 (47%)
Somewhat good	4,885 (32%)
Somewhat bad	1,588 (11%)
Very bad	725 (4.8%)
Does not apply	720 (4.8%)
Missing	16 (0.1%)
Parent marital status	
Yes, married	10,887 (72%)
No, divorced	1,927 (13%)
Never married	1,747 (12%)
No, one or both of them had died	362 (2.4%)
Missing	145 (1.0%)
Subjective financial status of family growing up	
Lived comfortably	5,951 (39%)
Got by	7,717 (51%)
Found it difficult	1,238 (8.2%)
Found it very difficult	140 (0.9%)
Missing	22 (0.1%)
Abuse	
Yes	2,288 (15%)
No	12,735 (85%)
Missing	45 (0.3%)
Outsider growing up	
Yes	1,867 (12%)
No	13,034 (86%)
Missing	168 (1.1%)
Self-rated health growing up	
Excellent	5,733 (38%)
Very good	5,124 (34%)
Good	2,669 (18%)
Fair	1,108 (7.4%)
Poor	397 (2.6%)
Missing	38 (0.2%)
Immigration status	

Characteristic	N = 15,068[1]
Age group	
1998-2005; current age: 18-24	1,515 (10%)
1993-1998; age: 25-29	1,399 (9.3%)
1983-1993; age: 30-39	2,398 (16%)
1973-1983; age 40-49	2,221 (15%)
1963-1973; age 50-59	2,493 (17%)
1953-1963; age 60-69	2,168 (14%)
1943-1953; age 70-79	2,253 (15%)
1943 or earlier; age 80+	621 (4.1%)
Missing	0 (0%)
Gender	
Male	7,536 (50%)
Female	7,493 (50%)
Other	27 (0.2%)
Missing	12 (<0.1%)
Religious affiliation at age 12	
Baha'i	3 (<0.1%)
Buddhism	41 (0.3%)
Christianity	10,617 (70%)
Confucianism	4 (<0.1%)
Hinduism	16 (0.1%)
Islam	462 (3.1%)
Judaism	51 (0.3%)
No religion/Atheist/Agnostic	3,738 (25%)
Primal, Animist, or Folk religion	31 (0.2%)
Shinto	1 (<0.1%)
Sikhism	9 (<0.1%)
Some other religion	69 (0.5%)
Missing	26 (0.2%)
Race and ethnicity	
Missing	15,068 (100%)

Characteristic	N = 15,068[1]	Characteristic	N = 15,068[1]
Born in this country	13,922 (92%)		
Born in another country	1,052 (7.0%)		
Missing	94 (0.6%)		
Age 12 religious service attendance			
At least 1/week	955 (6.3%)		
1-3/month	1,362 (9.0%)		
<1/month	6,224 (41%)		
Never	6,472 (43%)		
Missing	54 (0.4%)		

[1]n (%)

Table S22. Nationally representative descriptive statistics for Hong Kong

Characteristic	N = 3,012[1]
Relationship with mother	
Very good	1,077 (36%)
Somewhat good	1,164 (39%)
Somewhat bad	293 (9.7%)
Very bad	49 (1.6%)
Does not apply	426 (14%)
Missing	3 (<0.1%)
Relationship with father	
Very good	868 (29%)
Somewhat good	1,089 (36%)
Somewhat bad	393 (13%)
Very bad	102 (3.4%)
Does not apply	557 (19%)
Missing	3 (0.1%)
Parent marital status	
Yes, married	2,752 (91%)
No, divorced	114 (3.8%)
Never married	40 (1.3%)
No, one or both of them had died	50 (1.7%)
Missing	56 (1.8%)
Subjective financial status of family growing up	
Lived comfortably	906 (30%)
Got by	1,527 (51%)
Found it difficult	473 (16%)
Found it very difficult	84 (2.8%)
Missing	22 (0.7%)
Abuse	
Yes	318 (11%)
No	2,688 (89%)
Missing	5 (0.2%)
Outsider growing up	
Yes	664 (22%)
No	2,224 (74%)
Missing	124 (4.1%)
Self-rated health growing up	
Excellent	545 (18%)
Very good	1,073 (36%)
Good	863 (29%)
Fair	426 (14%)
Poor	91 (3.0%)
Missing	13 (0.4%)
Immigration status	
Born in this country	2,637 (88%)

Characteristic	N = 3,012[1]
Age group	
1998-2005; current age: 18-24	217 (7.2%)
1993-1998; age: 25-29	198 (6.6%)
1983-1993; age: 30-39	507 (17%)
1973-1983; age 40-49	580 (19%)
1963-1973; age 50-59	711 (24%)
1953-1963; age 60-69	620 (21%)
1943-1953; age 70-79	164 (5.5%)
1943 or earlier; age 80+	15 (0.5%)
Missing	0 (0%)
Gender	
Male	1,390 (46%)
Female	1,620 (54%)
Other	2 (<0.1%)
Missing	0 (0%)
Religious affiliation at age 12	
Buddhism	323 (11%)
Chinese folk/traditional religion	108 (3.6%)
Christianity	715 (24%)
Confucianism	10 (0.3%)
Hinduism	27 (0.9%)
Islam	86 (2.9%)
Jainism	1 (<0.1%)
Judaism	16 (0.5%)
No religion/Atheist/Agnostic	1,601 (53%)
Primal, Animist, or Folk religion	15 (0.5%)
Shinto	18 (0.6%)
Sikhism	4 (0.1%)
Some other religion	5 (0.2%)
Taoism	81 (2.7%)
Missing	1 (<0.1%)
Race and ethnicity	
Chinese (Cantonese)	1,930 (64%)
Chinese (Chaoshan)	201 (6.7%)
Chinese (Fujianese)	117 (3.9%)
Chinese (Hakka)	121 (4.0%)
Chinese (Other ethnicity)	264 (8.8%)
Chinese (Shanghainese)	89 (2.9%)
East Asian (Korean, Japanese)	10 (0.3%)
Other	4 (0.1%)
South Asian (Indian, Nepalese, Pakistani)	17 (0.6%)
Southeast Asian (Filipino, Indonesian, Thailand)	46 (1.5%)
Taiwanese	14 (0.4%)

Characteristic	N = 3,012[1]	Characteristic	N = 3,012[1]
Born in another country	321 (11%)	White	15 (0.5%)
Missing	53 (1.8%)	Missing	184 (6.1%)
Age 12 religious service attendance			
At least 1/week	432 (14%)		
1-3/month	528 (18%)		
<1/month	753 (25%)		
Never	1,295 (43%)		
Missing	4 (0.1%)		

[1]n (%)

Table S23. Regression of Pain on childhood predictors for Argentina

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.12	(0.97, 1.29)	<.001
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.94	(0.83, 1.06)	0.007
Parent marital status (Ref: Parents married)	No, divorced	1.01	(0.87, 1.17)	0.993
	Never	1.05	(0.94, 1.19)	
	No, one or both of them had died	1.00	(0.78, 1.28)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	0.98	(0.88, 1.09)	0.713
	Found it difficult	1.06	(0.96, 1.18)	
	Found it very difficult	1.00	(0.85, 1.17)	
Abuse (Ref: No)	Yes	1.27	(1.16, 1.40)	<.001
Outsider growing up (Ref: No)	Yes	1.21	(1.08, 1.34)	<.001
Self-rated health growing up (Ref: Good)	Excellent	0.88	(0.78, 0.98)	<.001
	Very good	0.97	(0.87, 1.08)	
	Fair	1.11	(0.95, 1.29)	
	Poor	1.21	(0.96, 1.53)	
Immigration status (Ref: Born in this country)	Born in another country	0.81	(0.66, 1.00)	0.001
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.00	(0.90, 1.12)	0.988
	1-3/month	0.99	(0.86, 1.13)	
	<1/month	0.94	(0.82, 1.08)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	0.92	(0.77, 1.10)	0.072
	1983-1993; age: 30-39	0.92	(0.80, 1.07)	
	1973-1983; age 40-49	0.96	(0.83, 1.11)	
	1963-1973; age 50-59	1.06	(0.91, 1.24)	
	1953-1963; age 60-69	1.09	(0.92, 1.30)	
	1943-1953; age 70-79	1.03	(0.84, 1.28)	
	1943 or earlier; age 80+	0.75	(0.47, 1.20)	
Gender (Ref: Male)	Female	1.21	(1.11, 1.32)	<.001

Variable	Category	Risk ratio	95% CI	Global p-value
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	1.36	(0.73, 2.55)	
	Christianity	1.02	(0.87, 1.20)	1
	Some other religion	1.00	(0.66, 1.49)	
Race and ethnicity plurality (Ref: Majority)	Minority	1.02	(0.94, 1.11)	0.904

Table S24. Regression of Pain on childhood predictors for Australia

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.03	(0.92, 1.15)	0.335
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.08	(0.98, 1.20)	<.001
Parent marital status (Ref: Parents married)	No, divorced	1.09	(0.98, 1.23)	0.266
	Never	1.07	(0.88, 1.31)	
	No, one or both of them had died	0.92	(0.73, 1.17)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	0.95	(0.88, 1.03)	0.962
	Found it difficult	0.99	(0.89, 1.10)	
	Found it very difficult	1.01	(0.87, 1.17)	
Abuse (Ref: No)	Yes	1.21	(1.12, 1.30)	<.001
Outsider growing up (Ref: No)	Yes	1.20	(1.10, 1.31)	<.001
Self-rated health growing up (Ref: Good)	Excellent	0.76	(0.69, 0.84)	<.001
	Very good	0.89	(0.80, 0.98)	
	Fair	1.08	(0.96, 1.22)	
	Poor	1.09	(0.91, 1.32)	
Immigration status (Ref: Born in this country)	Born in another country	0.97	(0.88, 1.07)	0.753
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.02	(0.92, 1.12)	0.591
	1-3/month	0.99	(0.88, 1.12)	
	<1/month	0.92	(0.82, 1.05)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.12	(0.90, 1.38)	<.001
	1983-1993; age: 30-39	1.07	(0.88, 1.29)	
	1973-1983; age 40-49	1.15	(0.95, 1.38)	
	1963-1973; age 50-59	1.28	(1.07, 1.53)	
	1953-1963; age 60-69	1.22	(1.02, 1.47)	
	1943-1953; age 70-79	1.36	(1.13, 1.63)	
	1943 or earlier; age 80+	1.38	(1.11, 1.71)	
Gender (Ref: Male)	Female	1.12	(1.04, 1.20)	<.001

Variable	Category	Risk ratio	95% CI	Global p-value
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	1.13	(0.80, 1.59)	
	Christianity	1.01	(0.91, 1.12)	0.992
	Some other religion	0.94	(0.74, 1.20)	
Race and ethnicity plurality (Ref: Majority)	Minority	0.91	(0.85, 0.99)	<.001

Table S25. Regression of Pain on childhood predictors for Brazil

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.03	(0.97, 1.11)	0.007
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.99	(0.95, 1.04)	0.867
Parent marital status (Ref: Parents married)	No, divorced	1.04	(0.98, 1.10)	0.684
	Never	1.02	(0.97, 1.08)	
	No, one or both of them had died	0.99	(0.89, 1.10)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	0.99	(0.94, 1.04)	<.001
	Found it difficult	1.06	(1.00, 1.11)	
	Found it very difficult	1.08	(1.02, 1.16)	
Abuse (Ref: No)	Yes	1.13	(1.09, 1.18)	<.001
Outsider growing up (Ref: No)	Yes	1.11	(1.05, 1.15)	<.001
Self-rated health growing up (Ref: Good)	Excellent	0.84	(0.80, 0.89)	<.001
	Very good	0.92	(0.88, 0.97)	
	Fair	1.15	(1.09, 1.21)	
	Poor	1.06	(0.95, 1.18)	
Immigration status (Ref: Born in this country)	Born in another country	0.84	(0.65, 1.09)	0.081
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.04	(0.98, 1.12)	<.001
	1-3/month	1.13	(1.04, 1.21)	
	<1/month	1.04	(0.96, 1.12)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.07	(1.00, 1.15)	<.001
	1983-1993; age: 30-39	1.06	(1.00, 1.12)	
	1973-1983; age 40-49	1.11	(1.04, 1.17)	
	1963-1973; age 50-59	1.16	(1.09, 1.25)	
	1953-1963; age 60-69	1.08	(0.99, 1.19)	
	1943-1953; age 70-79	1.03	(0.90, 1.19)	
	1943 or earlier; age 80+	1.23	(0.99, 1.53)	
Gender (Ref: Male)	Female	1.21	(1.16, 1.26)	<.001

Variable	Category	Risk ratio	95% CI	Global p-value
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	1.05	(0.75, 1.47)	
	Christianity	1.04	(0.96, 1.14)	0.658
	Some other religion	1.01	(0.90, 1.14)	
Race and ethnicity plurality (Ref: Majority)	Minority	0.99	(0.95, 1.03)	0.923

Table S26. Regression of Pain on childhood predictors for Egypt

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.01	(0.81, 1.25)	0.996
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.06	(0.89, 1.27)	0.149
Parent marital status (Ref: Parents married)	No, divorced	1.15	(1.00, 1.32)	<.001
	Never	1.72	(1.40, 2.09)	
	No, one or both of them had died	1.01	(0.92, 1.12)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.00	(0.93, 1.08)	<.001
	Found it difficult	1.13	(1.05, 1.21)	
	Found it very difficult	1.20	(1.08, 1.31)	
Abuse (Ref: No)	Yes	1.21	(1.11, 1.31)	<.001
Outsider growing up (Ref: No)	Yes	0.99	(0.89, 1.11)	1
Self-rated health growing up (Ref: Good)	Excellent	0.91	(0.84, 1.00)	<.001
	Very good	0.95	(0.87, 1.03)	
	Fair	1.03	(0.91, 1.17)	
	Poor	1.09	(0.94, 1.27)	
Immigration status (Ref: Born in this country)	Born in another country	0.98	(0.60, 1.60)	1
Age 12 religious service attendance (Ref: Never)	At least 1/week	0.98	(0.91, 1.05)	0.982
	1-3/month	1.00	(0.91, 1.11)	
	<1/month	1.02	(0.95, 1.10)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.03	(0.92, 1.15)	<.001
	1983-1993; age: 30-39	1.14	(1.05, 1.25)	
	1973-1983; age 40-49	1.13	(1.03, 1.24)	
	1963-1973; age 50-59	1.25	(1.12, 1.37)	
	1953-1963; age 60-69	1.26	(1.13, 1.40)	
	1943-1953; age 70-79	1.36	(1.04, 1.79)	
	1943 or earlier; age 80+	1.08	(0.45, 2.64)	

Variable	Category	Risk ratio	95% CI	Global p-value
Gender (Ref: Male)	Female	1.20	(1.12, 1.28)	<.001
Religious affiliation at age 12 (Ref: Islam)	Some other religion	0.94	(0.76, 1.18)	0.907
Race and ethnicity plurality (Ref: Majority)	Minority	1.02	(0.75, 1.38)	1

Table S27. Regression of Pain on childhood predictors for Germany

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.02	(0.92, 1.13)	0.818
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.04	(0.95, 1.14)	0.033
Parent marital status (Ref: Parents married)	No, divorced	1.02	(0.92, 1.12)	0.995
	Never	0.97	(0.84, 1.11)	
	No, one or both of them had died	0.94	(0.77, 1.14)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.01	(0.94, 1.10)	0.997
	Found it difficult	0.96	(0.88, 1.06)	
	Found it very difficult	1.00	(0.86, 1.16)	
Abuse (Ref: No)	Yes	1.26	(1.16, 1.36)	<.001
Outsider growing up (Ref: No)	Yes	1.25	(1.15, 1.36)	<.001
Self-rated health growing up (Ref: Good)	Excellent	0.73	(0.67, 0.81)	<.001
	Very good	0.87	(0.81, 0.94)	
	Fair	1.19	(1.07, 1.32)	
	Poor	1.12	(0.89, 1.38)	
Immigration status (Ref: Born in this country)	Born in another country	0.84	(0.74, 0.96)	<.001
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.00	(0.92, 1.10)	<.001
	1-3/month	1.06	(0.97, 1.16)	
	<1/month	0.90	(0.82, 0.97)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.01	(0.85, 1.19)	<.001
	1983-1993; age: 30-39	0.95	(0.82, 1.10)	
	1973-1983; age 40-49	1.16	(1.00, 1.34)	
	1963-1973; age 50-59	1.20	(1.04, 1.38)	
	1953-1963; age 60-69	1.21	(1.05, 1.40)	
	1943-1953; age 70-79	1.20	(1.02, 1.39)	
	1943 or earlier; age 80+	1.20	(0.94, 1.53)	
Gender (Ref: Male)	Female	1.21	(1.14, 1.29)	<.001

Variable	Category	Risk ratio	95% CI	Global p-value
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	0.79	(0.39, 1.59)	
	Christianity	1.09	(1.02, 1.18)	0.001
	Some other religion	1.12	(0.96, 1.31)	

Table S28. Regression of Pain on childhood predictors for India

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.98	(0.85, 1.13)	0.902
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.01	(0.89, 1.16)	0.96
Parent marital status (Ref: Parents married)	No, divorced	1.11	(0.94, 1.29)	<.001
	Never	1.02	(0.95, 1.10)	
	No, one or both of them had died	1.07	(1.00, 1.15)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	0.92	(0.87, 0.97)	<.001
	Found it difficult	1.00	(0.94, 1.06)	
	Found it very difficult	1.05	(0.98, 1.12)	
Abuse (Ref: No)	Yes	1.28	(1.21, 1.35)	<.001
Outsider growing up (Ref: No)	Yes	1.06	(1.00, 1.12)	0.001
Self-rated health growing up (Ref: Good)	Excellent	0.92	(0.86, 0.99)	<.001
	Very good	0.92	(0.88, 0.97)	
	Fair	1.03	(0.97, 1.09)	
	Poor	1.19	(1.07, 1.30)	
Immigration status (Ref: Born in this country)	Born in another country	1.06	(0.90, 1.27)	0.644
Age 12 religious service attendance (Ref: Never)	At least 1/week	0.98	(0.92, 1.05)	1
	1-3/month	0.99	(0.92, 1.07)	
	<1/month	1.00	(0.93, 1.07)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.05	(0.96, 1.15)	<.001
	1983-1993; age: 30-39	1.22	(1.14, 1.32)	
	1973-1983; age 40-49	1.27	(1.18, 1.38)	
	1963-1973; age 50-59	1.40	(1.30, 1.53)	
	1953-1963; age 60-69	1.45	(1.33, 1.58)	
	1943-1953; age 70-79	1.62	(1.45, 1.79)	
	1943 or earlier; age 80+	1.35	(0.99, 1.85)	

Variable	Category	Risk ratio	95% CI	Global p-value
Gender (Ref: Male)	Female	1.21	(1.16, 1.26)	<.001
Religious affiliation at age 12 (Ref: Hinduism)	Islam	1.05	(0.97, 1.13)	0.598
	Some other religion	0.99	(0.89, 1.10)	
Race and ethnicity plurality (Ref: Majority)	Minority	1.06	(1.01, 1.11)	<.001

Table S29. Regression of Pain on childhood predictors for Indonesia

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.42	(0.91, 2.20)	<.001
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.90	(0.72, 1.15)	0.06
Parent marital status (Ref: Parents married)	No, divorced	1.08	(0.93, 1.26)	0.001
	Never	1.43	(1.04, 1.98)	
	No, one or both of them had died	0.91	(0.78, 1.07)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	0.90	(0.82, 0.99)	<.001
	Found it difficult	1.11	(0.91, 1.34)	
	Found it very difficult	1.12	(0.84, 1.48)	
Abuse (Ref: No)	Yes	1.26	(1.10, 1.44)	<.001
Outsider growing up (Ref: No)	Yes	1.17	(0.97, 1.40)	0.008
Self-rated health growing up (Ref: Good)	Excellent	0.96	(0.84, 1.09)	1
	Very good	0.95	(0.85, 1.06)	
	Fair	0.97	(0.87, 1.10)	
	Poor	0.99	(0.59, 1.66)	
Immigration status (Ref: Born in this country)	Born in another country	1.19	(0.67, 2.12)	0.835
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.05	(0.82, 1.34)	0.322
	1-3/month	1.09	(0.85, 1.41)	
	<1/month	1.21	(0.92, 1.59)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.00	(0.87, 1.13)	<.001
	1983-1993; age: 30-39	0.83	(0.74, 0.93)	
	1973-1983; age 40-49	0.89	(0.79, 1.00)	
	1963-1973; age 50-59	0.98	(0.85, 1.14)	
	1953-1963; age 60-69	0.92	(0.74, 1.15)	
	1943-1953; age 70-79	1.00	(0.67, 1.50)	
	1943 or earlier; age 80+	0.89	(0.30, 2.67)	

Variable	Category	Risk ratio	95% CI	Global p-value
Gender (Ref: Male)	Female	1.15	(1.06, 1.25)	<.001
	Other	1.11	(0.34, 3.57)	
Religious affiliation at age 12 (Ref: Islam)	Christianity	0.96	(0.84, 1.10)	0.976
	Some other religion	1.06	(0.81, 1.38)	
Race and ethnicity plurality (Ref: Majority)	Minority	1.04	(0.94, 1.15)	0.648

Table S30. Regression of Pain on childhood predictors for Israel

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.07	(0.80, 1.45)	0.382
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.84	(0.65, 1.09)	<.001
Parent marital status (Ref: Parents married)	No, divorced	1.27	(1.00, 1.60)	<.001
	Never	2.36	(1.67, 3.33)	
	No, one or both of them had died	1.39	(1.14, 1.71)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.20	(1.02, 1.41)	0.006
	Found it difficult	1.12	(0.92, 1.35)	
	Found it very difficult	0.95	(0.76, 1.19)	
Outsider growing up (Ref: No)	Yes	1.15	(0.96, 1.36)	0.024
Self-rated health growing up (Ref: Good)	Excellent	0.79	(0.64, 0.98)	<.001
	Very good	0.83	(0.69, 1.00)	
	Fair	1.05	(0.78, 1.41)	
	Poor	3.78	(2.57, 5.54)	
Immigration status (Ref: Born in this country)	Born in another country	1.13	(0.92, 1.37)	0.163
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.14	(0.92, 1.41)	0.004
	1-3/month	0.94	(0.73, 1.20)	
	<1/month	0.85	(0.70, 1.04)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.17	(0.87, 1.59)	<.001
	1983-1993; age: 30-39	1.08	(0.86, 1.37)	
	1973-1983; age 40-49	1.20	(0.93, 1.55)	
	1963-1973; age 50-59	1.55	(1.22, 1.97)	
	1953-1963; age 60-69	1.68	(1.28, 2.22)	
	1943-1953; age 70-79	3.29	(2.53, 4.27)	
	1943 or earlier; age 80+	3.86	(2.84, 5.22)	
Gender (Ref: Male)	Female	1.38	(1.19, 1.58)	<.001

Variable	Category	Risk ratio	95% CI	Global p-value
	Other	0.00	(0.00, 0.00)	
Religious affiliation at age 12 (Ref: Judaism)	Islam	1.82	(0.77, 4.30)	0.002
	Some other religion	0.76	(0.45, 1.29)	
Race and ethnicity plurality (Ref: Majority)	Minority	1.06	(0.47, 2.38)	1

Table S31. Regression of Pain on childhood predictors for Japan

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.13	(1.05, 1.20)	<.001
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.97	(0.92, 1.03)	0.024
Parent marital status (Ref: Parents married)	No, divorced	0.94	(0.85, 1.04)	0.089
	Never	0.96	(0.84, 1.10)	
	No, one or both of them had died	1.09	(0.97, 1.23)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	0.88	(0.83, 0.93)	<.001
	Found it difficult	1.11	(1.03, 1.18)	
	Found it very difficult	1.08	(0.99, 1.19)	
Abuse (Ref: No)	Yes	1.45	(1.35, 1.55)	<.001
Outsider growing up (Ref: No)	Yes	1.30	(1.21, 1.40)	<.001
Self-rated health growing up (Ref: Good)	Excellent	0.82	(0.75, 0.90)	<.001
	Very good	0.90	(0.84, 0.95)	
	Fair	1.27	(1.20, 1.35)	
	Poor	1.46	(1.34, 1.59)	
Immigration status (Ref: Born in this country)	Born in another country	0.85	(0.62, 1.16)	0.28
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.23	(1.07, 1.43)	<.001
	1-3/month	1.34	(1.21, 1.47)	
	<1/month	1.12	(1.06, 1.18)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	0.97	(0.83, 1.13)	<.001
	1983-1993; age: 30-39	1.14	(1.02, 1.28)	
	1973-1983; age 40-49	1.25	(1.11, 1.39)	
	1963-1973; age 50-59	1.32	(1.18, 1.47)	
	1953-1963; age 60-69	1.28	(1.15, 1.43)	
	1943-1953; age 70-79	1.30	(1.15, 1.44)	
	1943 or earlier; age 80+	1.67	(1.42, 1.93)	
Gender (Ref: Male)	Female	1.06	(1.01, 1.11)	<.001

Variable	Category	Risk ratio	95% CI	Global p-value
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	1.21	(0.81, 1.80)	
	Buddhism	1.02	(0.97, 1.07)	0.974
	Some other religion	1.00	(0.89, 1.13)	

Table S32. Regression of Pain on childhood predictors for Kenya

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.11	(0.95, 1.28)	<.001
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.03	(0.92, 1.15)	0.313
Parent marital status (Ref: Parents married)	No, divorced	1.12	(1.01, 1.22)	0.009
	Never	1.01	(0.91, 1.13)	
	No, one or both of them had died	1.08	(0.97, 1.22)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	0.88	(0.82, 0.94)	<.001
	Found it difficult	1.06	(1.00, 1.12)	
	Found it very difficult	1.01	(0.93, 1.11)	
Abuse (Ref: No)	Yes	1.19	(1.11, 1.27)	<.001
Outsider growing up (Ref: No)	Yes	1.09	(1.01, 1.18)	<.001
Self-rated health growing up (Ref: Good)	Excellent	0.96	(0.90, 1.03)	<.001
	Very good	0.95	(0.88, 1.02)	
	Fair	1.03	(0.95, 1.11)	
	Poor	1.23	(1.10, 1.39)	
Immigration status (Ref: Born in this country)	Born in another country	0.91	(0.69, 1.20)	0.775
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.08	(0.85, 1.39)	0.016
	1-3/month	1.14	(0.88, 1.46)	
	<1/month	1.26	(0.96, 1.65)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.04	(0.97, 1.12)	<.001
	1983-1993; age: 30-39	1.23	(1.15, 1.33)	
	1973-1983; age 40-49	1.36	(1.25, 1.47)	
	1963-1973; age 50-59	1.45	(1.31, 1.60)	
	1953-1963; age 60-69	1.54	(1.37, 1.72)	
	1943-1953; age 70-79	1.84	(1.58, 2.14)	
	1943 or earlier; age 80+	1.79	(1.36, 2.35)	

Variable	Category	Risk ratio	95% CI	Global p-value
Gender (Ref: Male)	Female	1.23	(1.17, 1.30)	<.001
	Other	2.18	(1.79, 2.63)	
Religious affiliation at age 12 (Ref: Christianity)	Islam	1.13	(1.02, 1.25)	0.004
	Some other religion	0.95	(0.69, 1.31)	
Race and ethnicity plurality (Ref: Majority)	Minority	0.75	(0.70, 0.80)	<.001

Table S33. Regression of Pain on childhood predictors for Mexico

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.96	(0.81, 1.14)	0.464
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.02	(0.89, 1.17)	0.821
Parent marital status (Ref: Parents married)	No, divorced	0.91	(0.76, 1.10)	0.891
	Never	0.98	(0.85, 1.11)	
	No, one or both of them had died	0.88	(0.68, 1.13)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	0.93	(0.83, 1.06)	0.287
	Found it difficult	1.03	(0.91, 1.15)	
	Found it very difficult	1.11	(0.92, 1.32)	
Abuse (Ref: No)	Yes	1.31	(1.17, 1.46)	<.001
Outsider growing up (Ref: No)	Yes	1.38	(1.24, 1.54)	<.001
Self-rated health growing up (Ref: Good)	Excellent	0.82	(0.73, 0.93)	<.001
	Very good	0.88	(0.77, 1.01)	
	Fair	1.00	(0.87, 1.14)	
	Poor	0.96	(0.73, 1.27)	
Immigration status (Ref: Born in this country)	Born in another country	1.19	(0.88, 1.60)	0.209
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.08	(0.94, 1.25)	0.253
	1-3/month	1.11	(0.94, 1.30)	
	<1/month	1.16	(0.99, 1.37)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.14	(0.96, 1.37)	0.026
	1983-1993; age: 30-39	1.00	(0.85, 1.18)	
	1973-1983; age 40-49	1.06	(0.90, 1.25)	
	1963-1973; age 50-59	1.11	(0.93, 1.31)	
	1953-1963; age 60-69	1.15	(0.95, 1.40)	
	1943-1953; age 70-79	1.08	(0.83, 1.41)	
	1943 or earlier; age 80+	1.60	(1.11, 2.29)	
Gender (Ref: Male)	Female	1.14	(1.04, 1.25)	<.001

Variable	Category	Risk ratio	95% CI	Global p-value
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	1.63	(0.90, 2.96)	
	Christianity	1.06	(0.86, 1.31)	0.88
	Some other religion	1.23	(0.81, 1.87)	
Race and ethnicity plurality (Ref: Majority)	Minority	1.01	(0.91, 1.11)	1

Table S34. Regression of Pain on childhood predictors for Nigeria

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.03	(0.76, 1.41)	0.957
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.15	(0.89, 1.48)	0.005
Parent marital status (Ref: Parents married)	No, divorced	1.25	(1.05, 1.46)	<.001
	Never	1.21	(1.02, 1.42)	
	No, one or both of them had died	1.17	(1.00, 1.38)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.07	(0.96, 1.20)	0.072
	Found it difficult	1.08	(0.99, 1.20)	
	Found it very difficult	1.14	(0.98, 1.32)	
Abuse (Ref: No)	Yes	1.23	(1.10, 1.38)	<.001
Outsider growing up (Ref: No)	Yes	1.11	(0.96, 1.28)	0.041
Self-rated health growing up (Ref: Good)	Excellent	1.03	(0.92, 1.16)	0.947
	Very good	0.98	(0.86, 1.12)	
	Fair	1.12	(0.91, 1.37)	
	Poor	0.91	(0.65, 1.28)	
Immigration status (Ref: Born in this country)	Born in another country	0.72	(0.41, 1.26)	0.179
Age 12 religious service attendance (Ref: Never)	At least 1/week	0.99	(0.68, 1.43)	0.195
	1-3/month	1.13	(0.75, 1.68)	
	<1/month	1.14	(0.73, 1.79)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.03	(0.90, 1.17)	<.001
	1983-1993; age: 30-39	1.05	(0.95, 1.17)	
	1973-1983; age 40-49	1.16	(1.01, 1.34)	
	1963-1973; age 50-59	1.19	(0.99, 1.44)	
	1953-1963; age 60-69	1.38	(1.11, 1.72)	
	1943-1953; age 70-79	1.30	(0.96, 1.77)	
	1943 or earlier; age 80+	1.84	(1.16, 2.90)	

Variable	Category	Risk ratio	95% CI	Global p-value
Gender (Ref: Male)	Female	1.02	(0.94, 1.12)	<.001
	Other	0.00	(0.00, 0.00)	
Religious affiliation at age 12 (Ref: Christianity)	Islam	0.92	(0.81, 1.04)	0.511
	Some other religion	1.04	(0.60, 1.80)	
Race and ethnicity plurality (Ref: Majority)	Minority	1.16	(1.01, 1.33)	<.001

Table S35. Regression of Pain on childhood predictors for Philippines

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.85	(0.72, 1.00)	<.001
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.99	(0.85, 1.15)	0.98
Parent marital status (Ref: Parents married)	No, divorced	0.99	(0.71, 1.40)	0.896
	Never	1.07	(0.95, 1.22)	
	No, one or both of them had died	1.14	(0.82, 1.58)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.03	(0.92, 1.15)	0.007
	Found it difficult	1.13	(1.02, 1.24)	
	Found it very difficult	1.08	(0.94, 1.26)	
Abuse (Ref: No)	Yes	1.22	(1.09, 1.39)	<.001
Outsider growing up (Ref: No)	Yes	1.05	(0.92, 1.22)	0.642
Self-rated health growing up (Ref: Good)	Excellent	0.92	(0.82, 1.04)	<.001
	Very good	0.89	(0.77, 1.03)	
	Fair	1.07	(0.98, 1.18)	
	Poor	1.32	(1.16, 1.52)	
Immigration status (Ref: Born in this country)	Born in another country	0.92	(0.38, 2.27)	0.999
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.09	(0.88, 1.37)	0.979
	1-3/month	1.09	(0.88, 1.35)	
	<1/month	1.14	(0.90, 1.43)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.04	(0.88, 1.23)	1
	1983-1993; age: 30-39	1.06	(0.94, 1.19)	
	1973-1983; age 40-49	1.04	(0.91, 1.20)	
	1963-1973; age 50-59	1.02	(0.90, 1.16)	
	1953-1963; age 60-69	1.06	(0.90, 1.24)	
	1943-1953; age 70-79	1.01	(0.77, 1.32)	
	1943 or earlier; age 80+	1.32	(0.80, 2.16)	

Variable	Category	Risk ratio	95% CI	Global p-value
Gender (Ref: Male)	Female	1.03	(0.95, 1.11)	0.974
	Other	1.12	(0.61, 2.04)	
Religious affiliation at age 12 (Ref: Christianity)	Islam	1.38	(1.17, 1.61)	<.001
	Some other religion	1.17	(0.77, 1.78)	
Race and ethnicity plurality (Ref: Majority)	Minority	0.97	(0.89, 1.06)	0.819

Table S36. Regression of Pain on childhood predictors for Poland

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.98	(0.79, 1.23)	0.922
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.88	(0.71, 1.08)	<.001
Parent marital status (Ref: Parents married)	No, divorced	1.16	(1.00, 1.36)	<.001
	Never	1.43	(1.17, 1.75)	
	No, one or both of them had died	1.23	(1.04, 1.46)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.03	(0.89, 1.18)	<.001
	Found it difficult	1.20	(1.09, 1.32)	
	Found it very difficult	1.38	(1.16, 1.63)	
Abuse (Ref: No)	Yes	1.51	(1.28, 1.76)	<.001
Outsider growing up (Ref: No)	Yes	1.16	(0.97, 1.40)	0.005
Self-rated health growing up (Ref: Good)	Excellent	0.68	(0.60, 0.78)	<.001
	Very good	0.79	(0.71, 0.87)	
	Fair	1.08	(0.91, 1.29)	
	Poor	0.89	(0.68, 1.15)	
Immigration status (Ref: Born in this country)	Born in another country	1.19	(0.97, 1.45)	0.007
Age 12 religious service attendance (Ref: Never)	At least 1/week	0.67	(0.52, 0.86)	<.001
	1-3/month	0.88	(0.69, 1.12)	
	<1/month	0.90	(0.71, 1.15)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.13	(0.82, 1.56)	<.001
	1983-1993; age: 30-39	1.31	(1.00, 1.72)	
	1973-1983; age 40-49	1.42	(1.06, 1.90)	
	1963-1973; age 50-59	2.27	(1.72, 3.00)	
	1953-1963; age 60-69	3.29	(2.44, 4.42)	
	1943-1953; age 70-79	4.06	(2.99, 5.49)	
	1943 or earlier; age 80+	4.10	(2.93, 5.76)	
Gender (Ref: Male)	Female	1.14	(1.05, 1.23)	<.001

Variable	Category	Risk ratio	95% CI	Global p-value
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	1.97	(0.70, 5.57)	
	Christianity	1.32	(1.05, 1.67)	<.001
	Some other religion	2.83	(1.54, 5.18)	
Race and ethnicity plurality (Ref: Majority)	Minority	0.97	(0.66, 1.43)	1

Table S37. Regression of Pain on childhood predictors for South Africa

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.87	(0.64, 1.19)	0.034
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.92	(0.73, 1.16)	0.122
Parent marital status (Ref: Parents married)	No, divorced	1.32	(1.00, 1.74)	<.001
	Never	0.93	(0.79, 1.11)	
	No, one or both of them had died	1.38	(1.01, 1.89)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.22	(1.01, 1.48)	0.121
	Found it difficult	1.15	(0.92, 1.44)	
	Found it very difficult	1.11	(0.84, 1.45)	
Abuse (Ref: No)	Yes	1.32	(1.10, 1.59)	<.001
Outsider growing up (Ref: No)	Yes	1.36	(1.13, 1.64)	<.001
Self-rated health growing up (Ref: Good)	Excellent	0.92	(0.71, 1.20)	0.009
	Very good	0.98	(0.75, 1.28)	
	Fair	1.31	(0.97, 1.76)	
	Poor	1.13	(0.80, 1.58)	
Immigration status (Ref: Born in this country)	Born in another country	0.83	(0.55, 1.24)	0.444
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.14	(0.76, 1.72)	0.965
	1-3/month	1.07	(0.70, 1.63)	
	<1/month	1.01	(0.62, 1.65)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	0.97	(0.75, 1.25)	<.001
	1983-1993; age: 30-39	1.05	(0.83, 1.33)	
	1973-1983; age 40-49	1.15	(0.88, 1.49)	
	1963-1973; age 50-59	1.82	(1.44, 2.30)	
	1953-1963; age 60-69	1.25	(0.82, 1.88)	
	1943-1953; age 70-79	1.46	(0.99, 2.18)	
	1943 or earlier; age 80+	1.46	(0.35, 6.10)	
Gender (Ref: Male)	Female	1.31	(1.12, 1.53)	<.001

Variable	Category	Risk ratio	95% CI	Global p-value
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	1.70	(0.65, 4.40)	0.979
	Christianity	0.83	(0.49, 1.39)	
	Primal, Animist, or Folk religion	0.91	(0.47, 1.78)	
	Some other religion	1.00	(0.51, 1.96)	
Race and ethnicity plurality (Ref: Majority)	Minority	1.20	(0.94, 1.54)	0.038

Table S38. Regression of Pain on childhood predictors for Spain

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.98	(0.87, 1.11)	0.877
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.06	(0.95, 1.19)	0.003
Parent marital status (Ref: Parents married)	No, divorced	1.21	(1.08, 1.35)	<.001
	Never	1.03	(0.90, 1.19)	
	No, one or both of them had died	1.03	(0.83, 1.27)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.01	(0.92, 1.10)	<.001
	Found it difficult	1.19	(1.08, 1.30)	
	Found it very difficult	0.99	(0.78, 1.27)	
Abuse (Ref: No)	Yes	1.23	(1.13, 1.35)	<.001
Outsider growing up (Ref: No)	Yes	1.19	(1.08, 1.30)	<.001
Self-rated health growing up (Ref: Good)	Excellent	0.88	(0.79, 0.97)	0.001
	Very good	0.97	(0.88, 1.07)	
	Fair	1.03	(0.85, 1.24)	
	Poor	1.00	(0.79, 1.27)	
Immigration status (Ref: Born in this country)	Born in another country	0.85	(0.77, 0.94)	<.001
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.05	(0.95, 1.16)	0.99
	1-3/month	1.05	(0.94, 1.17)	
	<1/month	1.04	(0.94, 1.16)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.07	(0.91, 1.26)	<.001
	1983-1993; age: 30-39	1.15	(1.01, 1.31)	
	1973-1983; age 40-49	1.11	(0.97, 1.26)	
	1963-1973; age 50-59	1.22	(1.07, 1.40)	
	1953-1963; age 60-69	0.92	(0.77, 1.10)	
	1943-1953; age 70-79	1.20	(0.98, 1.46)	
	1943 or earlier; age 80+	1.13	(0.67, 1.91)	
Gender (Ref: Male)	Female	1.20	(1.12, 1.29)	<.001

Variable	Category	Risk ratio	95% CI	Global p-value
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	1.03	(0.55, 1.93)	
	Christianity	1.02	(0.92, 1.12)	0.866
	Some other religion	1.12	(0.91, 1.37)	

Table S39. Regression of Pain on childhood predictors for Tanzania

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.08	(0.95, 1.24)	0.001
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.90	(0.82, 0.99)	<.001
Parent marital status (Ref: Parents married)	No, divorced	1.06	(0.98, 1.16)	<.001
	Never	1.19	(1.09, 1.30)	
	No, one or both of them had died	0.99	(0.85, 1.14)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.02	(0.96, 1.08)	0.833
	Found it difficult	1.04	(0.97, 1.11)	
	Found it very difficult	1.06	(0.97, 1.17)	
Abuse (Ref: No)	Yes	1.36	(1.26, 1.46)	<.001
Outsider growing up (Ref: No)	Yes	1.09	(1.00, 1.19)	0.001
Self-rated health growing up (Ref: Good)	Excellent	0.95	(0.90, 1.01)	0.631
	Very good	0.96	(0.89, 1.03)	
	Fair	0.98	(0.91, 1.05)	
	Poor	1.02	(0.90, 1.15)	
Immigration status (Ref: Born in this country)	Born in another country	0.98	(0.65, 1.46)	1
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.04	(0.90, 1.21)	0.019
	1-3/month	1.12	(0.95, 1.30)	
	<1/month	1.03	(0.85, 1.25)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.05	(0.97, 1.15)	<.001
	1983-1993; age: 30-39	1.11	(1.03, 1.20)	
	1973-1983; age 40-49	1.20	(1.11, 1.29)	
	1963-1973; age 50-59	1.32	(1.22, 1.44)	
	1953-1963; age 60-69	1.42	(1.28, 1.58)	
	1943-1953; age 70-79	1.63	(1.44, 1.85)	
	1943 or earlier; age 80+	1.86	(1.48, 2.33)	
Gender (Ref: Male)	Female	1.12	(1.05, 1.17)	<.001

Variable	Category	Risk ratio	95% CI	Global p-value
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Christianity	0.88	(0.73, 1.06)	0.073
	Islam	0.91	(0.75, 1.12)	
	Some other religion	0.76	(0.39, 1.52)	
Race and ethnicity plurality (Ref: Majority)	Minority	1.07	(0.54, 2.13)	0.998

Table S40. Regression of Pain on childhood predictors for Turkey

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.93	(0.74, 1.17)	0.163
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.03	(0.86, 1.23)	0.828
Parent marital status (Ref: Parents married)	No, divorced	0.90	(0.64, 1.28)	0.988
	Never	0.86	(0.48, 1.54)	
	No, one or both of them had died	0.87	(0.61, 1.24)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	0.82	(0.71, 0.95)	<.001
	Found it difficult	1.12	(0.96, 1.30)	
	Found it very difficult	1.25	(1.03, 1.52)	
Abuse (Ref: No)	Yes	1.21	(1.03, 1.43)	<.001
Outsider growing up (Ref: No)	Yes	0.95	(0.80, 1.13)	0.801
Self-rated health growing up (Ref: Good)	Excellent	0.90	(0.76, 1.06)	0.122
	Very good	1.00	(0.85, 1.17)	
	Fair	1.07	(0.90, 1.27)	
	Poor	1.22	(0.90, 1.65)	
Immigration status (Ref: Born in this country)	Born in another country	1.14	(0.88, 1.49)	0.325
Age 12 religious service attendance (Ref: Never)	At least 1/week	0.99	(0.86, 1.14)	1
	1-3/month	0.95	(0.79, 1.16)	
	<1/month	0.95	(0.80, 1.14)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	0.83	(0.65, 1.05)	0.058
	1983-1993; age: 30-39	0.96	(0.80, 1.14)	
	1973-1983; age 40-49	1.00	(0.84, 1.19)	
	1963-1973; age 50-59	0.98	(0.80, 1.21)	
	1953-1963; age 60-69	1.14	(0.89, 1.45)	
	1943-1953; age 70-79	1.31	(0.97, 1.78)	
	1943 or earlier; age 80+	1.01	(0.50, 2.05)	

Variable	Category	Risk ratio	95% CI	Global p-value
Gender (Ref: Male)	Female	1.22	(1.08, 1.38)	<.001
Religious affiliation at age 12 (Ref: Islam)	Some other religion	0.87	(0.47, 1.58)	0.923
Race and ethnicity plurality (Ref: Majority)	Minority	1.23	(1.09, 1.39)	<.001

Table S41. Regression of Pain on childhood predictors for United Kingdom

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.98	(0.89, 1.09)	0.849
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.06	(0.96, 1.17)	0.001
Parent marital status (Ref: Parents married)	No, divorced	1.07	(0.95, 1.20)	0.085
	Never	0.93	(0.77, 1.12)	
	No, one or both of them had died	1.15	(0.96, 1.37)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	0.97	(0.90, 1.05)	0.983
	Found it difficult	1.02	(0.92, 1.14)	
	Found it very difficult	1.03	(0.90, 1.19)	
Abuse (Ref: No)	Yes	1.30	(1.20, 1.40)	<.001
Outsider growing up (Ref: No)	Yes	1.20	(1.10, 1.30)	<.001
Self-rated health growing up (Ref: Good)	Excellent	0.77	(0.70, 0.84)	<.001
	Very good	0.88	(0.80, 0.96)	
	Fair	0.98	(0.86, 1.12)	
	Poor	1.07	(0.91, 1.27)	
Immigration status (Ref: Born in this country)	Born in another country	0.83	(0.73, 0.94)	<.001
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.13	(1.03, 1.23)	<.001
	1-3/month	1.12	(0.99, 1.26)	
	<1/month	0.96	(0.86, 1.07)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.13	(0.90, 1.40)	<.001
	1983-1993; age: 30-39	1.16	(0.96, 1.40)	
	1973-1983; age 40-49	1.16	(0.96, 1.41)	
	1963-1973; age 50-59	1.16	(0.96, 1.40)	
	1953-1963; age 60-69	1.48	(1.22, 1.78)	
	1943-1953; age 70-79	1.57	(1.29, 1.89)	
	1943 or earlier; age 80+	1.58	(1.28, 1.96)	
Gender (Ref: Male)	Female	1.09	(1.02, 1.17)	<.001

Variable	Category	Risk ratio	95% CI	Global p-value
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	0.98	(0.48, 1.96)	0.118
	Christianity	0.92	(0.85, 1.00)	
	Islam	1.00	(0.80, 1.26)	
	Some other religion	0.87	(0.71, 1.07)	
Race and ethnicity plurality (Ref: Majority)	Minority	1.03	(0.89, 1.19)	0.959

Table S42. Regression of Pain on childhood predictors for United States

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.99	(0.93, 1.05)	0.783
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.99	(0.93, 1.05)	0.909
Parent marital status (Ref: Parents married)	No, divorced	0.97	(0.90, 1.04)	<.001
	Never	1.16	(1.03, 1.30)	
	No, one or both of them had died	1.08	(0.94, 1.26)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	0.93	(0.89, 0.98)	<.001
	Found it difficult	1.05	(0.98, 1.13)	
	Found it very difficult	1.04	(0.95, 1.14)	
Abuse (Ref: No)	Yes	1.20	(1.13, 1.26)	<.001
Outsider growing up (Ref: No)	Yes	1.17	(1.11, 1.25)	<.001
Self-rated health growing up (Ref: Good)	Excellent	0.73	(0.68, 0.77)	<.001
	Very good	0.89	(0.83, 0.95)	
	Fair	1.06	(0.96, 1.18)	
	Poor	1.21	(1.07, 1.35)	
Immigration status (Ref: Born in this country)	Born in another country	0.84	(0.74, 0.95)	<.001
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.02	(0.95, 1.10)	0.174
	1-3/month	0.98	(0.90, 1.07)	
	<1/month	1.06	(0.97, 1.16)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	0.91	(0.75, 1.10)	<.001
	1983-1993; age: 30-39	1.12	(0.94, 1.31)	
	1973-1983; age 40-49	1.20	(1.02, 1.41)	
	1963-1973; age 50-59	1.35	(1.15, 1.59)	
	1953-1963; age 60-69	1.38	(1.18, 1.62)	
	1943-1953; age 70-79	1.43	(1.23, 1.69)	
	1943 or earlier; age 80+	1.40	(1.18, 1.69)	
Gender (Ref: Male)	Female	1.06	(1.01, 1.11)	<.001

Variable	Category	Risk ratio	95% CI	Global p-value
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	1.40	(1.13, 1.76)	<.001
	Christianity	1.02	(0.95, 1.11)	
	Judaism	0.84	(0.73, 0.97)	
	Some other religion	1.03	(0.89, 1.20)	
Race and ethnicity plurality (Ref: Majority)	Minority	0.94	(0.89, 0.99)	<.001

Table S43. Regression of Pain on childhood predictors for Sweden

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.98	(0.91, 1.05)	0.406
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.00	(0.94, 1.07)	1
Parent marital status (Ref: Parents married)	No, divorced	0.97	(0.91, 1.05)	0.036
	Never	1.05	(0.97, 1.14)	
	No, one or both of them had died	1.13	(0.98, 1.30)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	0.88	(0.83, 0.93)	<.001
	Found it difficult	1.15	(1.07, 1.24)	
	Found it very difficult	1.00	(0.82, 1.23)	
Abuse (Ref: No)	Yes	1.17	(1.11, 1.25)	<.001
Outsider growing up (Ref: No)	Yes	1.08	(1.01, 1.17)	<.001
Self-rated health growing up (Ref: Good)	Excellent	0.66	(0.62, 0.71)	<.001
	Very good	0.85	(0.80, 0.91)	
	Fair	1.08	(1.00, 1.17)	
	Poor	1.21	(1.09, 1.35)	
Immigration status (Ref: Born in this country)	Born in another country	0.94	(0.86, 1.04)	0.183
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.07	(0.97, 1.19)	<.001
	1-3/month	1.12	(1.03, 1.22)	
	<1/month	0.98	(0.93, 1.04)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	0.93	(0.83, 1.06)	<.001
	1983-1993; age: 30-39	0.99	(0.89, 1.11)	
	1973-1983; age 40-49	1.17	(1.05, 1.31)	
	1963-1973; age 50-59	1.39	(1.25, 1.54)	
	1953-1963; age 60-69	1.48	(1.34, 1.65)	
	1943-1953; age 70-79	1.38	(1.23, 1.53)	
	1943 or earlier; age 80+	1.39	(1.20, 1.60)	
Gender (Ref: Male)	Female	1.15	(1.10, 1.21)	<.001

Variable	Category	Risk ratio	95% CI	Global p-value
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	1.35	(0.83, 2.20)	
	Christianity	1.03	(0.97, 1.09)	0.503
	Some other religion	1.09	(0.95, 1.27)	

Table S44. Regression of Pain on childhood predictors for Hong Kong

Variable	Category	Risk ratio	95% CI	Global p-value
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	0.87	(0.74, 1.02)	<.001
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.00	(0.85, 1.17)	1
Parent marital status (Ref: Parents married)	No, divorced	1.04	(0.81, 1.34)	<.001
	Never	0.83	(0.54, 1.25)	
	No, one or both of them had died	1.60	(1.17, 2.18)	
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	0.97	(0.84, 1.12)	0.002
	Found it difficult	1.14	(0.97, 1.33)	
	Found it very difficult	0.76	(0.56, 1.04)	
Abuse (Ref: No)	Yes	1.30	(1.13, 1.49)	<.001
Outsider growing up (Ref: No)	Yes	1.31	(1.16, 1.48)	<.001
Self-rated health growing up (Ref: Good)	Excellent	1.09	(0.90, 1.32)	<.001
	Very good	0.91	(0.78, 1.07)	
	Fair	1.32	(1.12, 1.57)	
	Poor	2.01	(1.61, 2.52)	
Immigration status (Ref: Born in this country)	Born in another country	1.16	(0.96, 1.42)	0.02
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.28	(1.03, 1.59)	<.001
	1-3/month	1.48	(1.25, 1.76)	
	<1/month	1.28	(1.10, 1.49)	
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	0.81	(0.65, 1.00)	<.001
	1983-1993; age: 30-39	0.75	(0.63, 0.89)	
	1973-1983; age 40-49	0.77	(0.65, 0.91)	
	1963-1973; age 50-59	0.80	(0.68, 0.95)	
	1953-1963; age 60-69	0.78	(0.63, 0.96)	
	1943-1953; age 70-79	0.96	(0.68, 1.37)	
	1943 or earlier; age 80+	1.82	(1.32, 2.52)	
Gender (Ref: Male)	Female	0.88	(0.79, 0.98)	<.001
	Other	0.00	(0.00, 0.00)	

Variable	Category	Risk ratio	95% CI	Global p-value
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Buddhism	1.05	(0.88, 1.26)	0.801
	Chinese folk/traditional religion	1.20	(0.93, 1.56)	
	Christianity	1.05	(0.89, 1.24)	
	Some other religion	1.15	(0.93, 1.41)	
Race and ethnicity plurality (Ref: Majority)	Minority	0.92	(0.81, 1.04)	0.069

Table S45. Sensitivity to unmeasured confounding of childhood predictors in Argentina

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.49	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.33	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.12	1.00
	Never	1.29	1.00
	No, one or both of them had died	1.05	1.00
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.17	1.00
	Found it difficult	1.32	1.00
	Found it very difficult	1.01	1.00
Abuse (Ref: No)	Yes	1.87	1.60
Outsider growing up (Ref: No)	Yes	1.70	1.38
Self-rated health growing up (Ref: Good)	Excellent	1.54	1.16
	Very good	1.22	1.00
	Fair	1.45	1.00
	Poor	1.71	1.00
Immigration status (Ref: Born in this country)	Born in another country	1.76	1.04
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.05	1.00
	1-3/month	1.13	1.00
	<1/month	1.33	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.40	1.00

Variable	Category	E-value for Estimate	E-value for 95% CI
	1983-1993; age: 30-39	1.37	1.00
	1973-1983; age 40-49	1.25	1.00
	1963-1973; age 50-59	1.31	1.00
	1953-1963; age 60-69	1.42	1.00
	1943-1953; age 70-79	1.22	1.00
	1943 or earlier; age 80+	1.99	1.00
Gender (Ref: Male)	Female	1.71	1.45
	Other	2.07	1.00
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Christianity	1.18	1.00
	Some other religion	1.07	1.00
Race and ethnicity plurality (Ref: Majority)	Minority	1.17	1.00

Table S46. Sensitivity to unmeasured confounding of childhood predictors in Australia

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.21	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.39	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.42	1.00
	Never	1.36	1.00
	No, one or both of them had died	1.37	1.00
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.27	1.00
	Found it difficult	1.13	1.00
	Found it very difficult	1.10	1.00
Abuse (Ref: No)	Yes	1.70	1.48
Outsider growing up (Ref: No)	Yes	1.70	1.44
Self-rated health growing up (Ref: Good)	Excellent	1.94	1.66
	Very good	1.52	1.18
	Fair	1.38	1.00
	Poor	1.42	1.00
Immigration status (Ref: Born in this country)	Born in another country	1.21	1.00
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.14	1.00
	1-3/month	1.10	1.00
	<1/month	1.38	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.47	1.00
	1983-1993; age: 30-39	1.34	1.00
	1973-1983; age 40-49	1.55	1.00
	1963-1973; age 50-59	1.87	1.34
	1953-1963; age 60-69	1.75	1.18
	1943-1953; age 70-79	2.05	1.50
	1943 or earlier; age 80+	2.10	1.46
Gender (Ref: Male)	Female	1.49	1.25

Variable	Category	E-value for Estimate	E-value for 95% CI
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	1.50	1.00
	Christianity	1.13	1.00
	Some other religion	1.32	1.00
Race and ethnicity plurality (Ref: Majority)	Minority	1.42	1.13

Table S47. Sensitivity to unmeasured confounding of childhood predictors in Brazil

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.22	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.09	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.25	1.00
	Never	1.18	1.00
	No, one or both of them had died	1.10	1.00
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.12	1.00
	Found it difficult	1.30	1.07
	Found it very difficult	1.39	1.15
Abuse (Ref: No)	Yes	1.52	1.39
Outsider growing up (Ref: No)	Yes	1.43	1.29
Self-rated health growing up (Ref: Good)	Excellent	1.66	1.51
	Very good	1.38	1.19
	Fair	1.55	1.40
	Poor	1.31	1.00
Immigration status (Ref: Born in this country)	Born in another country	1.66	1.00
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.26	1.00
	1-3/month	1.50	1.26
	<1/month	1.24	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.35	1.00
	1983-1993; age: 30-39	1.30	1.00
	1973-1983; age 40-49	1.44	1.24
	1963-1973; age 50-59	1.61	1.41
	1953-1963; age 60-69	1.40	1.00
	1943-1953; age 70-79	1.23	1.00
	1943 or earlier; age 80+	1.77	1.00
Gender (Ref: Male)	Female	1.72	1.60

Variable	Category	E-value for Estimate	E-value for 95% CI
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	1.28	1.00
	Christianity	1.26	1.00
	Some other religion	1.13	1.00
Race and ethnicity plurality (Ref: Majority)	Minority	1.10	1.00

Table S48. Sensitivity to unmeasured confounding of childhood predictors in Egypt

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.10	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.33	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.56	1.00
	Never	2.82	2.16
	No, one or both of them had died	1.14	1.00
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.05	1.00
	Found it difficult	1.50	1.28
	Found it very difficult	1.67	1.39
Abuse (Ref: No)	Yes	1.70	1.46
Outsider growing up (Ref: No)	Yes	1.08	1.00
Self-rated health growing up (Ref: Good)	Excellent	1.40	1.00
	Very good	1.29	1.00
	Fair	1.21	1.00
	Poor	1.41	1.00
Immigration status (Ref: Born in this country)	Born in another country	1.16	1.00
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.18	1.00
	1-3/month	1.06	1.00
	<1/month	1.17	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.20	1.00
	1983-1993; age: 30-39	1.55	1.28
	1973-1983; age 40-49	1.52	1.21
	1963-1973; age 50-59	1.79	1.50
	1953-1963; age 60-69	1.82	1.50
	1943-1953; age 70-79	2.07	1.25
	1943 or earlier; age 80+	1.39	1.00

Variable	Category	E-value for Estimate	E-value for 95% CI
Gender (Ref: Male)	Female	1.69	1.50
Religious affiliation at age 12 (Ref: Islam)	Some other religion	1.30	1.00
Race and ethnicity plurality (Ref: Majority)	Minority	1.16	1.00

Table S49. Sensitivity to unmeasured confounding of childhood predictors in Germany

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.15	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.24	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.14	1.00
	Never	1.22	1.00
	No, one or both of them had died	1.33	1.00
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.13	1.00
	Found it difficult	1.23	1.00
	Found it very difficult	1.06	1.00
Abuse (Ref: No)	Yes	1.82	1.59
Outsider growing up (Ref: No)	Yes	1.80	1.56
Self-rated health growing up (Ref: Good)	Excellent	2.06	1.77
	Very good	1.55	1.31
	Fair	1.67	1.36
	Poor	1.46	1.00
Immigration status (Ref: Born in this country)	Born in another country	1.66	1.24
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.07	1.00
	1-3/month	1.31	1.00
	<1/month	1.49	1.21
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.09	1.00
	1983-1993; age: 30-39	1.29	1.00
	1973-1983; age 40-49	1.58	1.00
	1963-1973; age 50-59	1.68	1.23
	1953-1963; age 60-69	1.72	1.29
	1943-1953; age 70-79	1.68	1.18
	1943 or earlier; age 80+	1.69	1.00
Gender (Ref: Male)	Female	1.71	1.53

Variable	Category	E-value for Estimate	E-value for 95% CI
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	1.87	1.00
	Christianity	1.41	1.14
	Some other religion	1.48	1.00

Table S50. Sensitivity to unmeasured confounding of childhood predictors in India

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.16	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.13	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.44	1.00
	Never	1.18	1.00
	No, one or both of them had died	1.36	1.07
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.40	1.21
	Found it difficult	1.01	1.00
	Found it very difficult	1.28	1.00
Abuse (Ref: No)	Yes	1.88	1.72
Outsider growing up (Ref: No)	Yes	1.31	1.04
Self-rated health growing up (Ref: Good)	Excellent	1.38	1.13
	Very good	1.39	1.21
	Fair	1.19	1.00
	Poor	1.64	1.36
Immigration status (Ref: Born in this country)	Born in another country	1.33	1.00
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.15	1.00
	1-3/month	1.11	1.00
	<1/month	1.06	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.28	1.00
	1983-1993; age: 30-39	1.75	1.53
	1973-1983; age 40-49	1.87	1.65
	1963-1973; age 50-59	2.17	1.93
	1953-1963; age 60-69	2.26	2.00
	1943-1953; age 70-79	2.60	2.25
	1943 or earlier; age 80+	2.04	1.00

Variable	Category	E-value for Estimate	E-value for 95% CI
Gender (Ref: Male)	Female	1.71	1.58
Religious affiliation at age 12 (Ref: Hinduism)	Some other religion	1.11	1.00
Race and ethnicity plurality (Ref: Majority)	Minority	1.30	1.12
	Islam	1.27	1.00

Table S51. Sensitivity to unmeasured confounding of childhood predictors in Indonesia

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	2.19	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.44	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.39	1.00
	Never	2.23	1.25
	No, one or both of them had died	1.42	1.00
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.47	1.13
	Found it difficult	1.45	1.00
	Found it very difficult	1.47	1.00
Abuse (Ref: No)	Yes	1.83	1.43
Outsider growing up (Ref: No)	Yes	1.61	1.00
Self-rated health growing up (Ref: Good)	Excellent	1.25	1.00
	Very good	1.30	1.00
	Fair	1.19	1.00
	Poor	1.08	1.00
Immigration status (Ref: Born in this country)	Born in another country	1.66	1.00
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.28	1.00
	1-3/month	1.41	1.00
	<1/month	1.70	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.07	1.00
	1983-1993; age: 30-39	1.70	1.35
	1973-1983; age 40-49	1.50	1.00
	1963-1973; age 50-59	1.16	1.00
	1953-1963; age 60-69	1.37	1.00
	1943-1953; age 70-79	1.04	1.00
	1943 or earlier; age 80+	1.50	1.00

Variable	Category	E-value for Estimate	E-value for 95% CI
Gender (Ref: Male)	Female	1.57	1.31
	Other	1.45	1.00
Religious affiliation at age 12 (Ref: Islam)	Christianity	1.25	1.00
	Some other religion	1.30	1.00
Race and ethnicity plurality (Ref: Majority)	Minority	1.24	1.00

Table S52. Sensitivity to unmeasured confounding of childhood predictors in Israel

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.35	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.65	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.85	1.00
	Never	4.14	2.72
	No, one or both of them had died	2.13	1.53
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.69	1.17
	Found it difficult	1.46	1.00
	Found it very difficult	1.29	1.00
Outsider growing up (Ref: No)	Yes	1.55	1.00
Self-rated health growing up (Ref: Good)	Excellent	1.84	1.18
	Very good	1.71	1.04
	Fair	1.27	1.00
	Poor	7.01	4.57
Immigration status (Ref: Born in this country)	Born in another country	1.50	1.00
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.54	1.00
	1-3/month	1.33	1.00
	<1/month	1.61	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.63	1.00
	1983-1993; age: 30-39	1.39	1.00
	1973-1983; age 40-49	1.68	1.00
	1963-1973; age 50-59	2.47	1.73
	1953-1963; age 60-69	2.76	1.88
	1943-1953; age 70-79	6.02	4.49
	1943 or earlier; age 80+	7.17	5.13
Gender (Ref: Male)	Female	2.09	1.67

Variable	Category	E-value for Estimate	E-value for 95% CI
	Other	27,012.32	3,437.63
Religious affiliationat age 12 (Ref: Judaism)	Some other religion	1.96	1.00
Race and ethnicity plurality (Ref: Majority)	Minority	1.32	1.00
	Islam	3.05	1.00

Table S53. Sensitivity to unmeasured confounding of childhood predictors in Japan

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.50	1.30
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.20	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.31	1.00
	Never	1.26	1.00
	No, one or both of them had died	1.41	1.00
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.52	1.36
	Found it difficult	1.43	1.21
	Found it very difficult	1.39	1.00
Abuse (Ref: No)	Yes	2.24	2.03
Outsider growing up (Ref: No)	Yes	1.93	1.72
Self-rated health growing up (Ref: Good)	Excellent	1.74	1.48
	Very good	1.48	1.29
	Fair	1.86	1.69
	Poor	2.28	2.01
Immigration status (Ref: Born in this country)	Born in another country	1.63	1.00
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.78	1.34
	1-3/month	2.00	1.72
	<1/month	1.49	1.32
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.22	1.00
	1983-1993; age: 30-39	1.55	1.15
	1973-1983; age 40-49	1.79	1.46
	1963-1973; age 50-59	1.97	1.65
	1953-1963; age 60-69	1.88	1.57
	1943-1953; age 70-79	1.90	1.57
	1943 or earlier; age 80+	2.70	2.20
Gender (Ref: Male)	Female	1.32	1.13

Variable	Category	E-value for Estimate	E-value for 95% CI
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	1.71	1.00
	Some other religion	1.07	1.00
	Buddhism	1.17	1.00

Table S54. Sensitivity to unmeasured confounding of childhood predictors in Kenya

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.44	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.21	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.47	1.12
	Never	1.12	1.00
	No, one or both of them had died	1.39	1.00
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.53	1.32
	Found it difficult	1.30	1.00
	Found it very difficult	1.13	1.00
Abuse (Ref: No)	Yes	1.66	1.45
Outsider growing up (Ref: No)	Yes	1.42	1.14
Self-rated health growing up (Ref: Good)	Excellent	1.24	1.00
	Very good	1.30	1.00
	Fair	1.20	1.00
	Poor	1.78	1.42
Immigration status (Ref: Born in this country)	Born in another country	1.41	1.00
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.39	1.00
	1-3/month	1.53	1.00
	<1/month	1.83	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.24	1.00
	1983-1993; age: 30-39	1.77	1.56
	1973-1983; age 40-49	2.06	1.82
	1963-1973; age 50-59	2.26	1.95
	1953-1963; age 60-69	2.44	2.08
	1943-1953; age 70-79	3.08	2.53
	1943 or earlier; age 80+	2.97	2.05

Variable	Category	E-value for Estimate	E-value for 95% CI
Gender (Ref: Male)	Female	1.78	1.63
	Other	3.76	2.99
Religious affiliation at age 12 (Ref: Christianity)	Some other religion	1.28	1.00
Race and ethnicity plurality (Ref: Majority)	Minority	2.01	1.82
	Islam	1.51	1.14

Table S55. Sensitivity to unmeasured confounding of childhood predictors in Mexico

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.26	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.17	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.41	1.00
	Never	1.18	1.00
	No, one or both of them had died	1.53	1.00
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.34	1.00
	Found it difficult	1.19	1.00
	Found it very difficult	1.44	1.00
Abuse (Ref: No)	Yes	1.94	1.61
Outsider growing up (Ref: No)	Yes	2.11	1.78
Self-rated health growing up (Ref: Good)	Excellent	1.73	1.36
	Very good	1.53	1.00
	Fair	1.05	1.00
	Poor	1.24	1.00
Immigration status (Ref: Born in this country)	Born in another country	1.65	1.00
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.39	1.00
	1-3/month	1.45	1.00
	<1/month	1.61	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.55	1.00
	1983-1993; age: 30-39	1.01	1.00
	1973-1983; age 40-49	1.30	1.00
	1963-1973; age 50-59	1.44	1.00
	1953-1963; age 60-69	1.57	1.00
	1943-1953; age 70-79	1.38	1.00
	1943 or earlier; age 80+	2.56	1.45
Gender (Ref: Male)	Female	1.54	1.23

Variable	Category	E-value for Estimate	E-value for 95% CI
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	2.65	1.00
	Christianity	1.32	1.00
	Some other religion	1.76	1.00
Race and ethnicity plurality (Ref: Majority)	Minority	1.09	1.00

Table S56. Sensitivity to unmeasured confounding of childhood predictors in Nigeria

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.22	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.56	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.79	1.29
	Never	1.70	1.15
	No, one or both of them had died	1.62	1.00
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.35	1.00
	Found it difficult	1.40	1.00
	Found it very difficult	1.54	1.00
Abuse (Ref: No)	Yes	1.77	1.42
Outsider growing up (Ref: No)	Yes	1.46	1.00
Self-rated health growing up (Ref: Good)	Excellent	1.21	1.00
	Very good	1.16	1.00
	Fair	1.47	1.00
	Poor	1.42	1.00
Immigration status (Ref: Born in this country)	Born in another country	2.13	1.00
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.11	1.00
	1-3/month	1.49	1.00
	<1/month	1.54	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.19	1.00
	1983-1993; age: 30-39	1.29	1.00
	1973-1983; age 40-49	1.60	1.12
	1963-1973; age 50-59	1.67	1.00
	1953-1963; age 60-69	2.11	1.47
	1943-1953; age 70-79	1.93	1.00
	1943 or earlier; age 80+	3.07	1.59

Variable	Category	E-value for Estimate	E-value for 95% CI
Gender (Ref: Male)	Female	1.18	1.00
	Other	24,896.77	3,467.30
Religious affiliation at age 12 (Ref: Christianity)	Some other religion	1.24	1.00
Race and ethnicity plurality (Ref: Majority)	Minority	1.58	1.08
	Islam	1.39	1.00

Table S*57*. Sensitivity to unmeasured confounding of childhood predictors in Philippines

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.63	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.13	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.08	1.00
	Never	1.36	1.00
	No, one or both of them had died	1.53	1.00
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.19	1.00
	Found it difficult	1.50	1.18
	Found it very difficult	1.40	1.00
Abuse (Ref: No)	Yes	1.75	1.39
Outsider growing up (Ref: No)	Yes	1.30	1.00
Self-rated health growing up (Ref: Good)	Excellent	1.38	1.00
	Very good	1.49	1.00
	Fair	1.35	1.00
	Poor	1.99	1.59
Immigration status (Ref: Born in this country)	Born in another country	1.37	1.00
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.43	1.00
	1-3/month	1.40	1.00
	<1/month	1.52	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.24	1.00
	1983-1993; age: 30-39	1.30	1.00
	1973-1983; age 40-49	1.25	1.00
	1963-1973; age 50-59	1.18	1.00
	1953-1963; age 60-69	1.31	1.00
	1943-1953; age 70-79	1.10	1.00
	1943 or earlier; age 80+	1.97	1.00

Variable	Category	E-value for Estimate	E-value for 95% CI
Gender (Ref: Male)	Female	1.20	1.00
	Other	1.49	1.00
Religious affiliation at age 12 (Ref: Christianity)	Some other religion	1.61	1.00
Race and ethnicity plurality (Ref: Majority)	Minority	1.19	1.00
	Islam	2.09	1.62

Table S58. Sensitivity to unmeasured confounding of childhood predictors in Poland

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.14	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.54	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.60	1.00
	Never	2.22	1.62
	No, one or both of them had died	1.77	1.23
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.20	1.00
	Found it difficult	1.68	1.40
	Found it very difficult	2.09	1.60
Abuse (Ref: No)	Yes	2.37	1.89
Outsider growing up (Ref: No)	Yes	1.60	1.00
Self-rated health growing up (Ref: Good)	Excellent	2.29	1.89
	Very good	1.86	1.55
	Fair	1.38	1.00
	Poor	1.50	1.00
Immigration status (Ref: Born in this country)	Born in another country	1.66	1.00
Age 12 religious service attendance (Ref: Never)	At least 1/week	2.35	1.59
	1-3/month	1.54	1.00
	<1/month	1.45	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.51	1.00
	1983-1993; age: 30-39	1.95	1.00
	1973-1983; age 40-49	2.19	1.31
	1963-1973; age 50-59	3.97	2.83
	1953-1963; age 60-69	6.02	4.31
	1943-1953; age 70-79	7.57	5.43
	1943 or earlier; age 80+	7.68	5.31
Gender (Ref: Male)	Female	1.53	1.27

Variable	Category	E-value for Estimate	E-value for 95% CI
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	3.37	1.00
	Christianity	1.97	1.27
	Some other religion	5.09	2.45
Race and ethnicity plurality (Ref: Majority)	Minority	1.20	1.00

Table S59. Sensitivity to unmeasured confounding of childhood predictors in South Africa

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.57	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.39	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.96	1.00
	Never	1.35	1.00
	No, one or both of them had died	2.11	1.13
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.75	1.11
	Found it difficult	1.57	1.00
	Found it very difficult	1.45	1.00
Abuse (Ref: No)	Yes	1.97	1.42
Outsider growing up (Ref: No)	Yes	2.06	1.51
Self-rated health growing up (Ref: Good)	Excellent	1.39	1.00
	Very good	1.15	1.00
	Fair	1.94	1.00
	Poor	1.50	1.00
Immigration status (Ref: Born in this country)	Born in another country	1.70	1.00
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.55	1.00
	1-3/month	1.34	1.00
	<1/month	1.13	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.22	1.00
	1983-1993; age: 30-39	1.29	1.00
	1973-1983; age 40-49	1.56	1.00
	1963-1973; age 50-59	3.05	2.25
	1953-1963; age 60-69	1.79	1.00
	1943-1953; age 70-79	2.30	1.00
	1943 or earlier; age 80+	2.30	1.00
Gender (Ref: Male)	Female	1.95	1.48

Variable	Category	E-value for Estimate	E-value for 95% CI
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	2.78	1.00
	Christianity	1.71	1.00
	Some other religion	1.04	1.00
Race and ethnicity plurality (Ref: Majority)	Minority	1.70	1.00
	Primal, Animist, or Folk religion	1.41	1.00

Table S60. Sensitivity to unmeasured confounding of childhood predictors in Spain

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.15	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.32	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.71	1.37
	Never	1.22	1.00
	No, one or both of them had died	1.19	1.00
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.10	1.00
	Found it difficult	1.66	1.38
	Found it very difficult	1.09	1.00
Abuse (Ref: No)	Yes	1.77	1.52
Outsider growing up (Ref: No)	Yes	1.66	1.38
Self-rated health growing up (Ref: Good)	Excellent	1.55	1.23
	Very good	1.20	1.00
	Fair	1.20	1.00
	Poor	1.07	1.00
Immigration status (Ref: Born in this country)	Born in another country	1.63	1.32
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.27	1.00
	1-3/month	1.27	1.00
	<1/month	1.26	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.34	1.00
	1983-1993; age: 30-39	1.56	1.09
	1973-1983; age 40-49	1.44	1.00
	1963-1973; age 50-59	1.74	1.33
	1953-1963; age 60-69	1.39	1.00
	1943-1953; age 70-79	1.69	1.00
	1943 or earlier; age 80+	1.51	1.00
Gender (Ref: Male)	Female	1.69	1.48

Variable	Category	E-value for Estimate	E-value for 95% CI
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	1.22	1.00
	Christianity	1.15	1.00
	Some other religion	1.47	1.00

Table S61. Sensitivity to unmeasured confounding of childhood predictors in Tanzania

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.39	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.46	1.11
Parent marital status (Ref: Parents married)	No, divorced	1.33	1.00
	Never	1.67	1.40
	No, one or both of them had died	1.13	1.00
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.15	1.00
	Found it difficult	1.23	1.00
	Found it very difficult	1.33	1.00
Abuse (Ref: No)	Yes	2.06	1.84
Outsider growing up (Ref: No)	Yes	1.41	1.04
Self-rated health growing up (Ref: Good)	Excellent	1.27	1.00
	Very good	1.25	1.00
	Fair	1.17	1.00
	Poor	1.14	1.00
Immigration status (Ref: Born in this country)	Born in another country	1.18	1.00
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.26	1.00
	1-3/month	1.47	1.00
	<1/month	1.21	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.30	1.00
	1983-1993; age: 30-39	1.46	1.20
	1973-1983; age 40-49	1.68	1.46
	1963-1973; age 50-59	1.98	1.74
	1953-1963; age 60-69	2.20	1.87
	1943-1953; age 70-79	2.66	2.24
	1943 or earlier; age 80+	3.12	2.32
Gender (Ref: Male)	Female	1.46	1.29

Variable	Category	E-value for Estimate	E-value for 95% CI
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Christianity	1.54	1.00
	Some other religion	1.94	1.00
Race and ethnicity plurality (Ref: Majority)	Minority	1.35	1.00
	Islam	1.41	1.00

Table S62. Sensitivity to unmeasured confounding of childhood predictors in Turkey

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.36	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.20	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.45	1.00
	Never	1.59	1.00
	No, one or both of them had died	1.56	1.00
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.73	1.28
	Found it difficult	1.48	1.00
	Found it very difficult	1.81	1.22
Abuse (Ref: No)	Yes	1.73	1.21
Outsider growing up (Ref: No)	Yes	1.30	1.00
Self-rated health growing up (Ref: Good)	Excellent	1.47	1.00
	Very good	1.03	1.00
	Fair	1.35	1.00
	Poor	1.73	1.00
Immigration status (Ref: Born in this country)	Born in another country	1.55	1.00
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.13	1.00
	1-3/month	1.27	1.00
	<1/month	1.28	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.72	1.00
	1983-1993; age: 30-39	1.26	1.00
	1973-1983; age 40-49	1.05	1.00
	1963-1973; age 50-59	1.16	1.00
	1953-1963; age 60-69	1.54	1.00
	1943-1953; age 70-79	1.95	1.00
	1943 or earlier; age 80+	1.13	1.00

Variable	Category	E-value for Estimate	E-value for 95% CI
Gender (Ref: Male)	Female	1.73	1.37
Religious affiliation at age 12 (Ref: Islam)	Some other religion	1.58	1.00
Race and ethnicity plurality (Ref: Majority)	Minority	1.77	1.40

Table S63. Sensitivity to unmeasured confounding of childhood predictors in United Kingdom

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.14	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.32	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.34	1.00
	Never	1.35	1.00
	No, one or both of them had died	1.56	1.00
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.19	1.00
	Found it difficult	1.17	1.00
	Found it very difficult	1.22	1.00
Abuse (Ref: No)	Yes	1.92	1.69
Outsider growing up (Ref: No)	Yes	1.67	1.43
Self-rated health growing up (Ref: Good)	Excellent	1.93	1.66
	Very good	1.54	1.26
	Fair	1.15	1.00
	Poor	1.36	1.00
Immigration status (Ref: Born in this country)	Born in another country	1.71	1.32
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.50	1.21
	1-3/month	1.48	1.00
	<1/month	1.26	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.50	1.00
	1983-1993; age: 30-39	1.59	1.00
	1973-1983; age 40-49	1.59	1.00
	1963-1973; age 50-59	1.58	1.00
	1953-1963; age 60-69	2.30	1.73
	1943-1953; age 70-79	2.50	1.90
	1943 or earlier; age 80+	2.55	1.87
Gender (Ref: Male)	Female	1.42	1.17

Variable	Category	E-value for Estimate	E-value for 95% CI
	Other	1.18	1.00
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Christianity	1.38	1.00
	Some other religion	1.56	1.00
Race and ethnicity plurality (Ref: Majority)	Minority	1.20	1.00
	Islam	1.05	1.00

Table S64. Sensitivity to unmeasured confounding of childhood predictors in United States

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.12	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.10	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.21	1.00
	Never	1.59	1.22
	No, one or both of them had died	1.40	1.00
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.36	1.18
	Found it difficult	1.29	1.00
	Found it very difficult	1.25	1.00
Abuse (Ref: No)	Yes	1.67	1.52
Outsider growing up (Ref: No)	Yes	1.63	1.46
Self-rated health growing up (Ref: Good)	Excellent	2.11	1.92
	Very good	1.50	1.30
	Fair	1.32	1.00
	Poor	1.70	1.35
Immigration status (Ref: Born in this country)	Born in another country	1.67	1.28
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.18	1.00
	1-3/month	1.16	1.00
	<1/month	1.31	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.42	1.00
	1983-1993; age: 30-39	1.46	1.00
	1973-1983; age 40-49	1.69	1.14
	1963-1973; age 50-59	2.05	1.57
	1953-1963; age 60-69	2.10	1.63
	1943-1953; age 70-79	2.23	1.75
	1943 or earlier; age 80+	2.17	1.64
Gender (Ref: Male)	Female	1.31	1.14

Variable	Category	E-value for Estimate	E-value for 95% CI
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	2.17	1.51
	Christianity	1.19	1.00
	Some other religion	1.22	1.00
Race and ethnicity plurality (Ref: Majority)	Minority	1.33	1.11
	Judaism	1.67	1.22

Table S65. Sensitivity to unmeasured confounding of childhood predictors in Sweden

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.16	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.01	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.19	1.00
	Never	1.28	1.00
	No, one or both of them had died	1.51	1.00
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.53	1.36
	Found it difficult	1.58	1.36
	Found it very difficult	1.07	1.00
Abuse (Ref: No)	Yes	1.63	1.45
Outsider growing up (Ref: No)	Yes	1.39	1.12
Self-rated health growing up (Ref: Good)	Excellent	2.37	2.15
	Very good	1.62	1.43
	Fair	1.39	1.05
	Poor	1.73	1.41
Immigration status (Ref: Born in this country)	Born in another country	1.31	1.00
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.36	1.00
	1-3/month	1.48	1.20
	<1/month	1.14	1.00
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.34	1.00
	1983-1993; age: 30-39	1.08	1.00
	1973-1983; age 40-49	1.62	1.29
	1963-1973; age 50-59	2.12	1.82
	1953-1963; age 60-69	2.33	2.01
	1943-1953; age 70-79	2.09	1.77
	1943 or earlier; age 80+	2.12	1.69
Gender (Ref: Male)	Female	1.58	1.43

Variable	Category	E-value for Estimate	E-value for 95% CI
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	2.04	1.00
	Christianity	1.20	1.00
	Some other religion	1.42	1.00

Table S66. Sensitivity to unmeasured confounding of childhood predictors in Hong Kong

Variable	Category	E-value for Estimate	E-value for 95% CI
Relationship with mother (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.55	1.00
Relationship with father (Ref: Very bad/Somewhat bad)	Very good/Somewhat good	1.04	1.00
Parent marital status (Ref: Parents married)	No, divorced	1.24	1.00
	Never	1.72	1.00
	No, one or both of them had died	2.58	1.62
Subjective financial status of family growing up (Ref: Got by)	Lived comfortably	1.20	1.00
	Found it difficult	1.53	1.00
	Found it very difficult	1.94	1.00
Abuse (Ref: No)	Yes	1.93	1.52
Outsider growing up (Ref: No)	Yes	1.95	1.58
Self-rated health growing up (Ref: Good)	Excellent	1.41	1.00
	Very good	1.41	1.00
	Fair	1.99	1.49
	Poor	3.43	2.59
Immigration status (Ref: Born in this country)	Born in another country	1.60	1.00
Age 12 religious service attendance (Ref: Never)	At least 1/week	1.88	1.21
	1-3/month	2.33	1.81
	<1/month	1.88	1.44
Age group (Ref: 1998-2005; current age: 18-24)	1993-1998; age: 25-29	1.78	1.06
	1983-1993; age: 30-39	2.01	1.50
	1973-1983; age 40-49	1.92	1.43
	1963-1973; age 50-59	1.79	1.30
	1953-1963; age 60-69	1.89	1.25
	1943-1953; age 70-79	1.23	1.00
	1943 or earlier; age 80+	3.05	1.98
Gender (Ref: Male)	Female	1.52	1.16

Variable	Category	E-value for Estimate	E-value for 95% CI
Religious affiliation at age 12 (Ref: No religion/Atheist/Agnostic)	Other	159,520.32	21,862.92
	Christianity	1.28	1.00
	Some other religion	1.56	1.00
Race and ethnicity plurality (Ref: Majority)	Minority	1.40	1.00
	Buddhism	1.29	1.00
	Chinese folk/traditional religion	1.70	1.00

Table S67. Population weighted meta-analysis of regression results

Variable	Predictor (level)	RR	95% CI	E-value for estimate	E-value for 95% CI
Relationship with mother	(*Ref:* Very bad/somewhat bad)				
	Very good/somewhat good	1.02	(0.95,1.09)	1.17	1.00
Relationship with father	(*Ref:* Very bad/somewhat bad)				
	Very good/somewhat good	1.00	(0.95,1.06)	1.06	1.00
Parent marital status	(*Ref:* Parents married)				
	No, divorced	1.07	(1.00,1.14)	1.33	1.00
	Single, never married	1.08	(1.03,1.13)	1.38	1.22
	No, one or both of them had died	1.05	(1.01,1.09)	1.28	1.10
Subjective financial status of family growing up	(*Ref:* Got by)				
	Lived comfortably	0.94	(0.92,0.97)	1.31	1.22
	Found it difficult	1.05	(1.01,1.08)	1.26	1.13
	Found it very difficult	1.07	(1.03,1.11)	1.35	1.21
Abuse	(*Ref:* No)				
	Yes	1.26	(1.23,1.29)	1.83	1.75
Outsider growing up	(*Ref:* No)				
	Yes	1.12	(1.09,1.16)	1.49	1.40
Self-rated health growing up	(*Ref:* Good)				
	Excellent	0.88	(0.85,0.90)	1.54	1.45
	Very good	0.92	(0.90,0.94)	1.39	1.31
	Fair	1.06	(1.03,1.09)	1.31	1.19
	Poor	1.14	(1.07,1.21)	1.54	1.35
Immigration status	(*Ref:* Born in this country)				
	Born in another country	0.98	(0.89,1.08)	1.17	1.00
Age 12 religious service attendance	(*Ref:* Never)				
	At least 1/week	1.02	(0.98,1.06)	1.16	1.00
	1-3/month	1.04	(1.00,1.09)	1.25	1.00
	<1/month	1.04	(0.99,1.09)	1.24	1.00
Year of birth	(*Ref:* 1998-2005; age 18-24)				
	1993-1998; age 25-29	1.02	(0.98,1.07)	1.16	1.00
	1983-1993; age 30-39	1.11	(1.07,1.15)	1.45	1.33
	1973-1983; age 40-49	1.17	(1.13,1.22)	1.62	1.50
	1963-1973; age 50-59	1.28	(1.23,1.34)	1.89	1.76
	1953-1963; age 60-69	1.31	(1.25,1.37)	1.94	1.81
	1943-1953; age 70-79	1.39	(1.31,1.48)	2.13	1.95
	1943 or earlier; age 80+	1.35	(1.15,1.58)	2.03	1.56
Gender	(*Ref:* Male)				
	Female	1.16	(1.14,1.18)	1.59	1.53

Variable	Predictor (level)	RR	95% CI	E-value for estimate	E-value for 95% CI
	Other	0.50	(0.39,0.65)	3.40	2.45

Table S68. Random effects meta-analysis of regression of physical pain on childhood predictors. The pain measure was dichotomized as A lot/some/not very much (1) none at all (0).

				Estimated Proportion of Effects by Threshold			
Variable	Category	RR	95% CI	<0.90	>1.10	I^2	Global p-value
Relationship with mother	(Ref: Very bad/somewhat bad)						<.001**
	Very good/somewhat good	1.00	(0.99,1.01)	0.00	0.00	7.7	
Relationship with father	(Ref: Very bad/somewhat bad)						<.001**
	Very good/somewhat good	1.00	(0.99,1.01)	0.00	0.00	<0.1‡	
Parent marital status	(Ref: Parents married)						<.001**
	No, divorced	1.02	(1.00,1.04)	0.00	0.00	55.1	
	Single, never married	1.03	(0.98,1.07)	0.00	0.18	88.6	
	No, one or both of them had died	1.03	(1.01,1.06)	0.00	0.00	36.1	
Subjective financial status of family growing up	(Ref: Got by)						<.001**
	Lived comfortably	0.97	(0.95,0.98)	0.00	0.00	73.5	
	Found it difficult	1.02	(1.01,1.03)	0.00	0.00	<0.1‡	
	Found it very difficult	1.00	(0.98,1.03)	0.00	0.00	50.7	
Abuse	(Ref: No)						<.001**
	Yes	1.09	(1.07,1.12)	0.00	0.38	84.5	
Outsider growing up	(Ref: No)						<.001**
	Yes	1.05	(1.04,1.06)	0.00	0.00	31.6	
Self-rated health growing up	(Ref: Good)						<.001**
	Excellent	0.89	(0.86,0.92)	0.41	0.00	88.9	
	Very good	0.96	(0.94,0.97)	0.00	0.00	65.1	
	Fair	1.03	(1.01,1.04)	0.00	0.00	47.4	
	Poor	1.04	(0.99,1.08)	0.00	0.23	83.5	
Immigration status	(Ref: Born in this country)						<.001**
	Born in another country	1.00	(0.97,1.03)	0.00	0.00	44.6	
Age 12 religious service attendance	(Ref: Never)						<.001**
	At least 1/week	1.01	(0.98,1.05)	0.05	0.05	87.7	
	1-3/month	1.05	(1.02,1.07)	0.00	0.09	62.8	
	<1/month	1.03	(1.02,1.05)	0.00	0.00	35.5	
Year of birth	(Ref: 1998-2005; age 18-24)						<.001**
	1993-1998; age 25-29	1.01	(0.99,1.02)	0.00	0.00	<0.1‡	
	1983-1993; age 30-39	1.02	(0.99,1.05)	0.05	0.18	82.8	

				Estimated Proportion of Effects by Threshold			
Variable	Category	RR	95% CI	<0.90	>1.10	I^2	Global p-value
	1973-1983; age 40-49	1.06	(1.02,1.10)	0.05	0.32	89.3	
	1963-1973; age 50-59	1.10	(1.04,1.17)	0.05	0.41	94.8	
	1953-1963; age 60-69	1.13	(1.04,1.22)	0.00	0.36	96.2	
	1943-1953; age 70-79	1.17	(1.06,1.28)	0.00	0.55	96.1	
	1943 or earlier; age 80+	1.13	(1.02,1.26)	0.14	0.41	91.7	
Gender	(Ref: Male)						<.001**
	Female	1.07	(1.05,1.10)	0.00	0.23	91.5	
	Other	0.65	(0.16,2.61)	0.06	0.83	100.0	

Figure S1. Forest plot for `Relationship with mother`-`Very good/somewhat good` effect

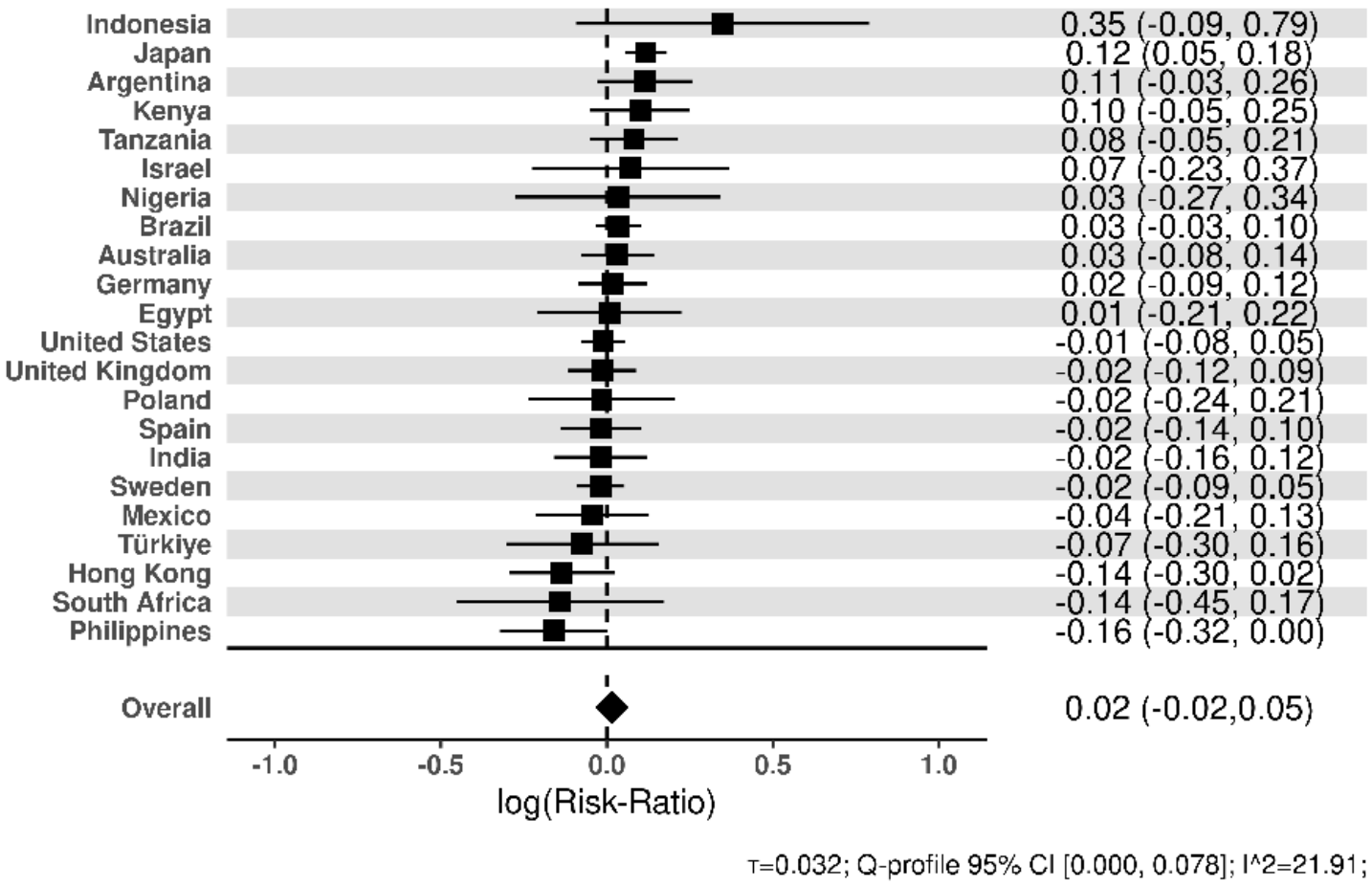


Figure S2. Forest plot for `Relationship with father`-`Very good/somewhat good` effect

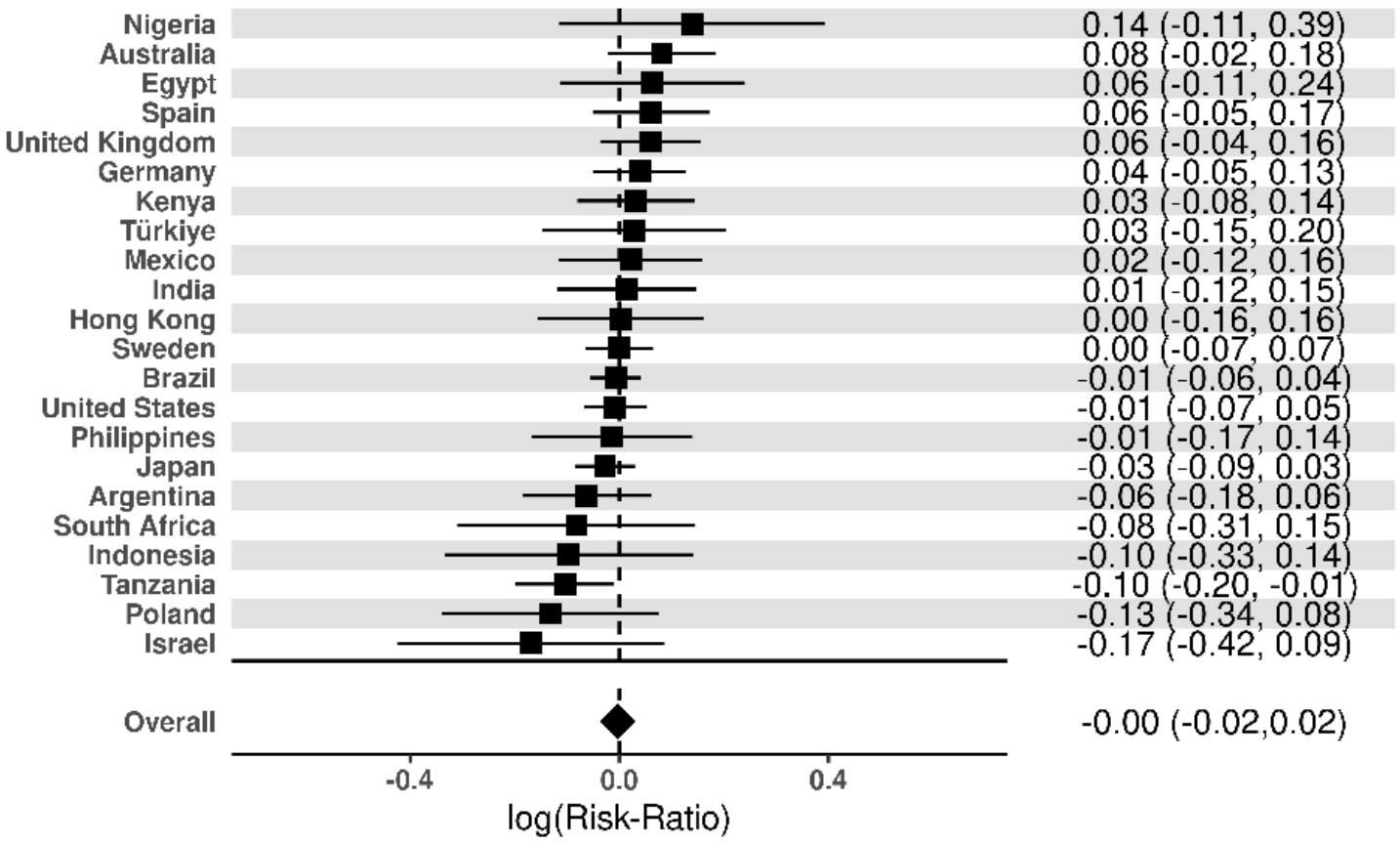
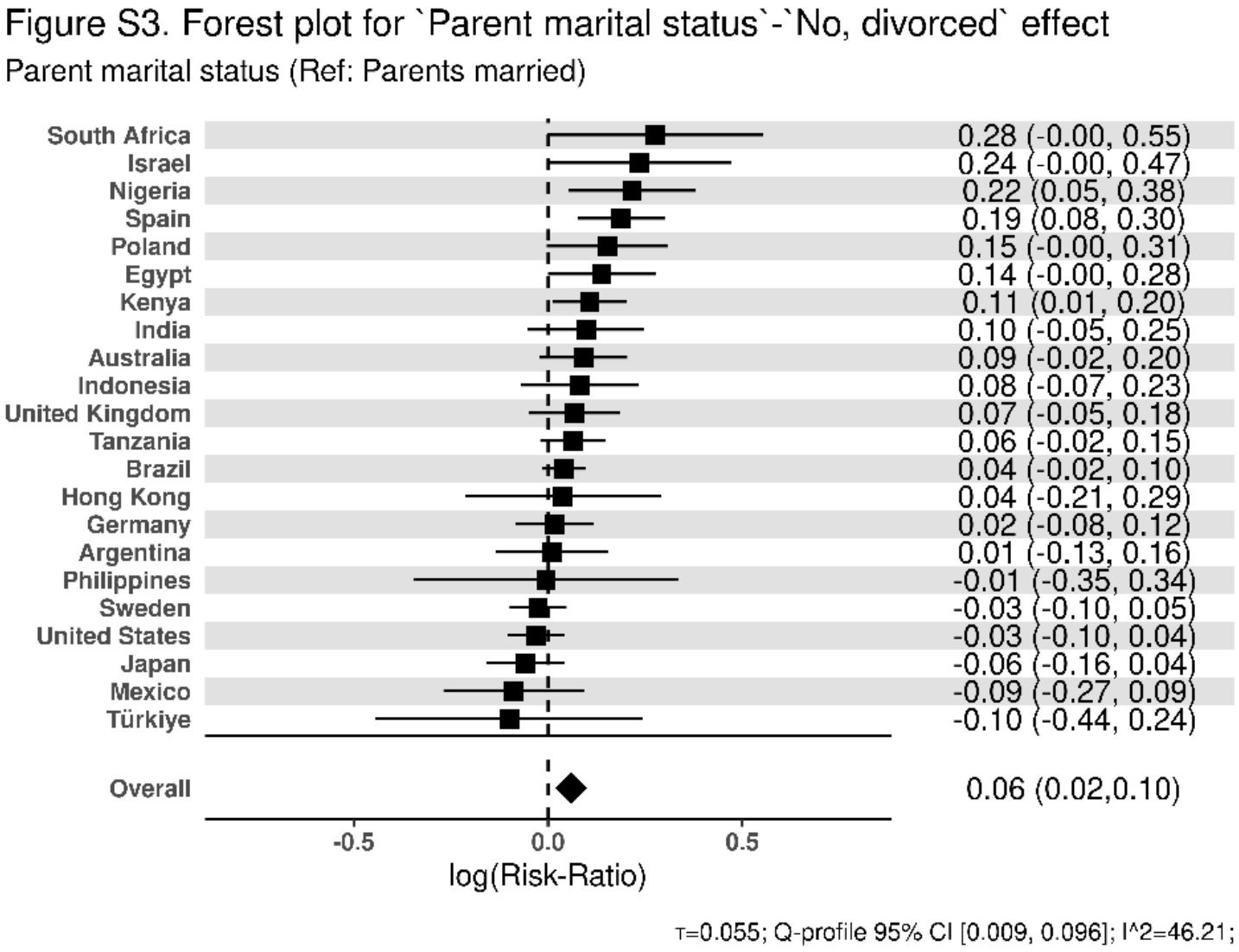
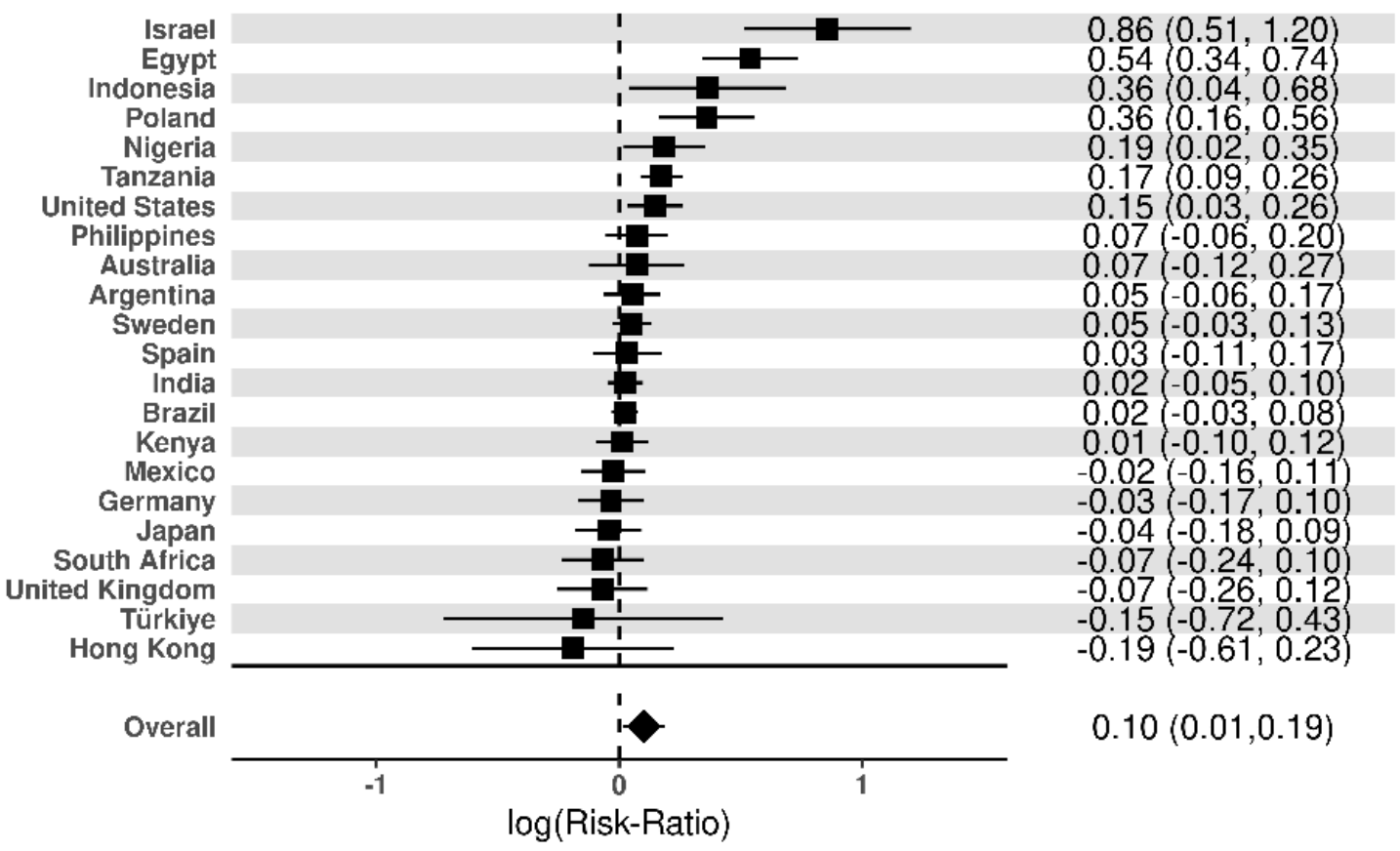


Figure S3. Forest plot for `Parent marital status`-`No, divorced` effect



τ=0.055; Q-profile 95% CI [0.009, 0.096]; I^2=46.21;

Figure S4. Forest plot for `Parent marital status`-`Single, never married` effect



τ=0.187; Q-profile 95% CI [0.072, 0.253]; I^2=89.72;

Figure S5. Forest plot for `Parent marital status`-`No, one or both of them had died` effect

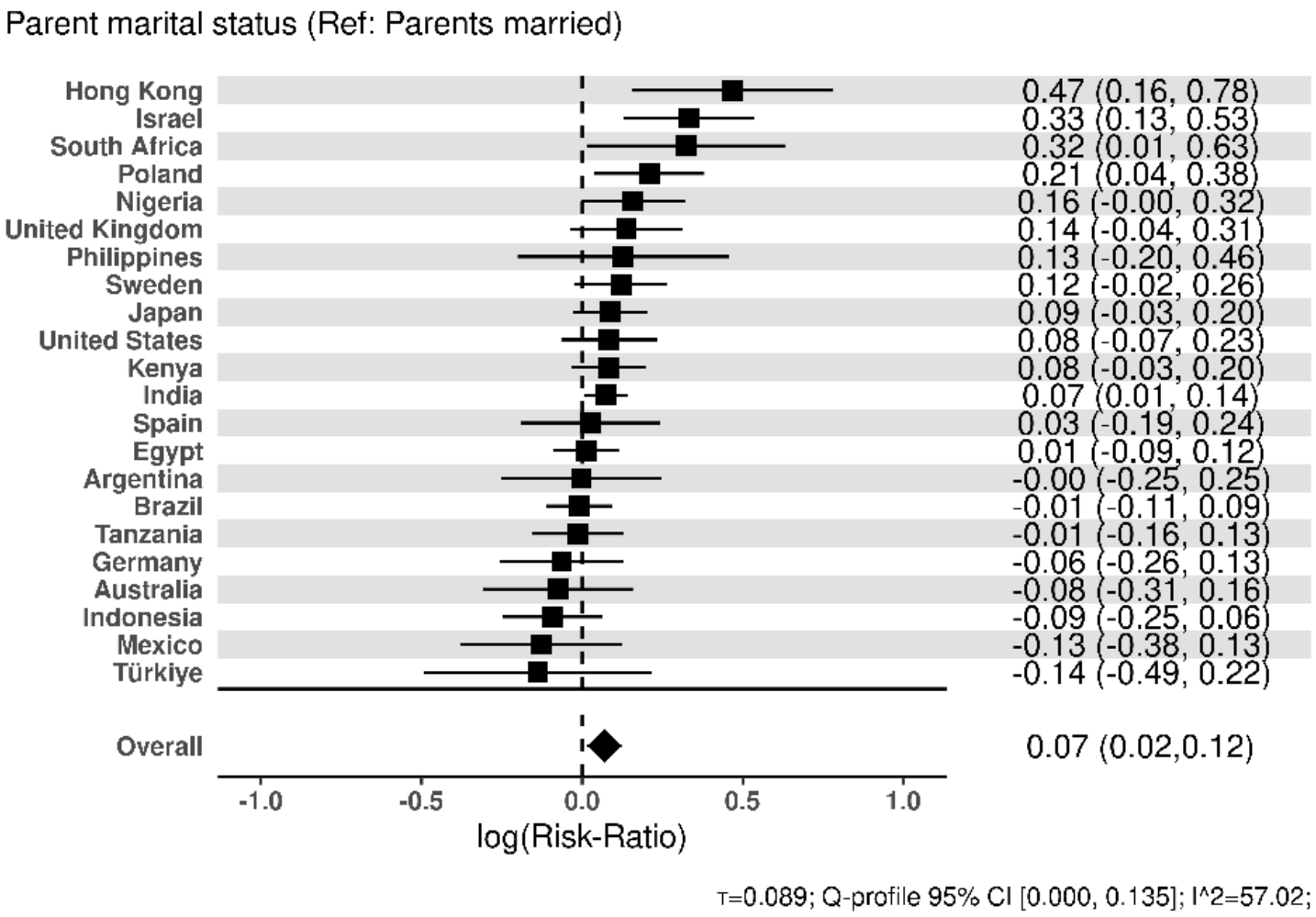


Figure S6. Forest plot for `Subjective financial status of family growing up`-`Lived comfortably` effect

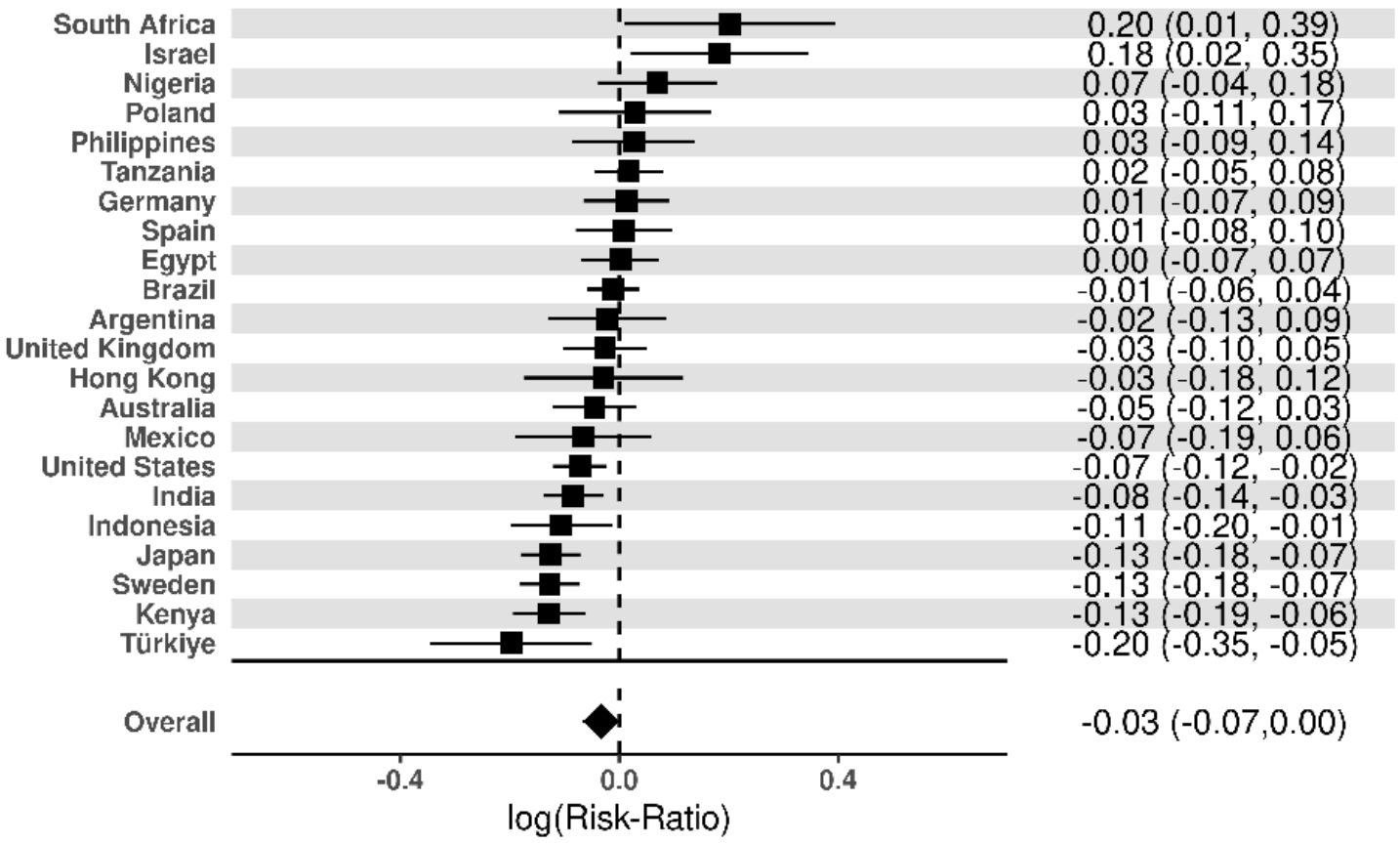
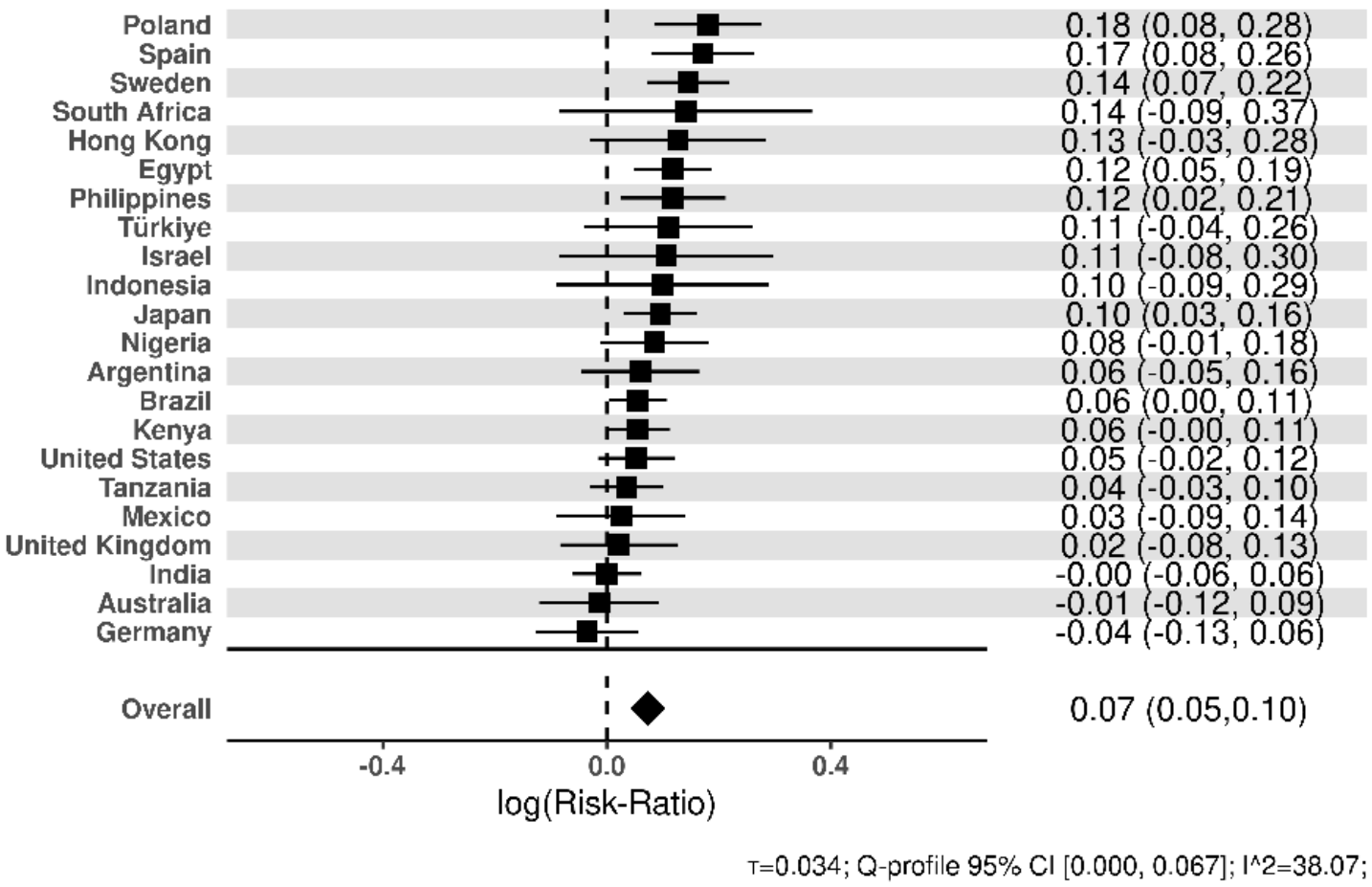
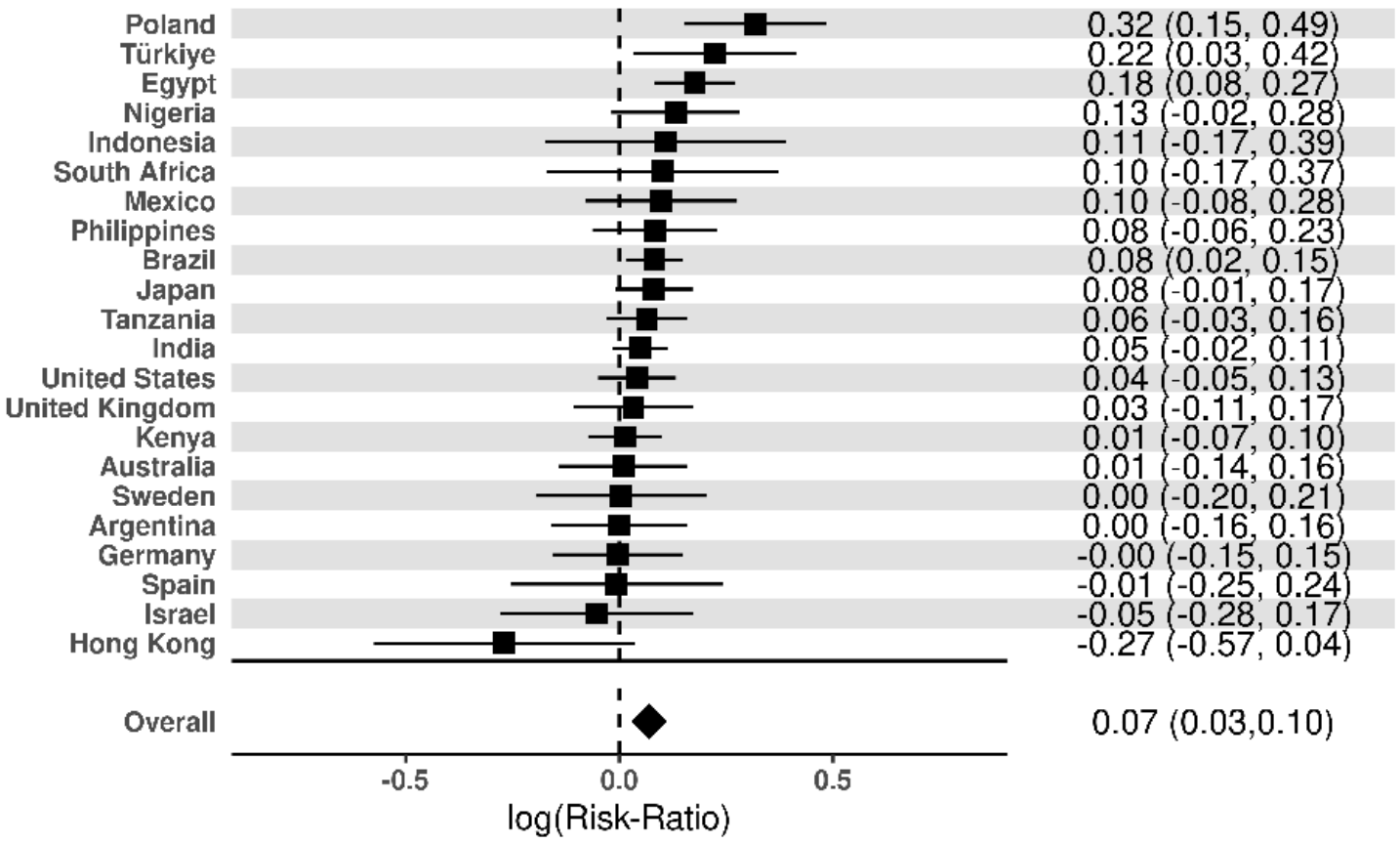


Figure S7. Forest plot for `Subjective financial status of family growing up`-`Found it difficult` effect



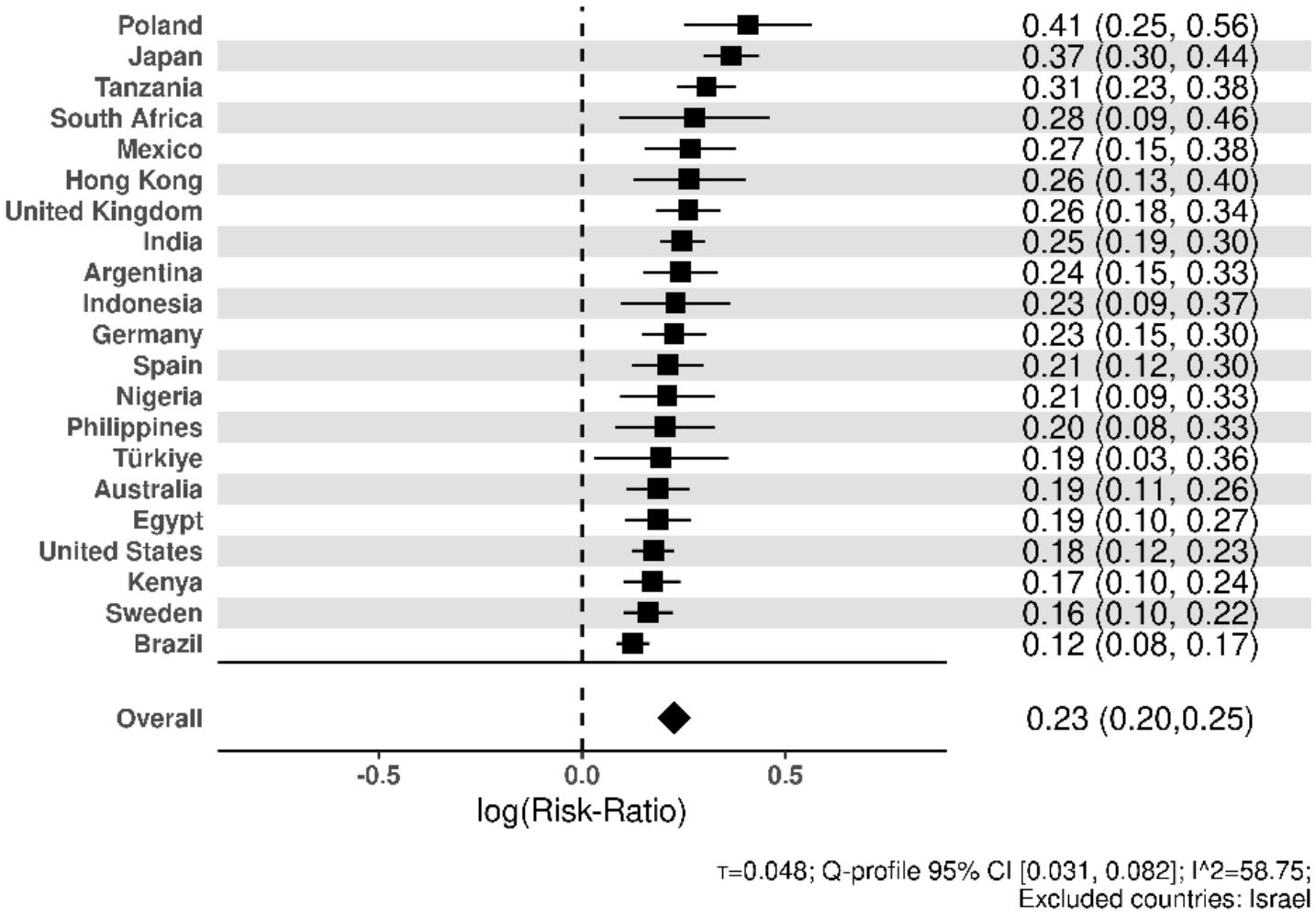
τ=0.034; Q-profile 95% CI [0.000, 0.067]; I^2=38.07;

Figure S8. Forest plot for `Subjective financial status of family growing up`-`Found it very difficult` effect



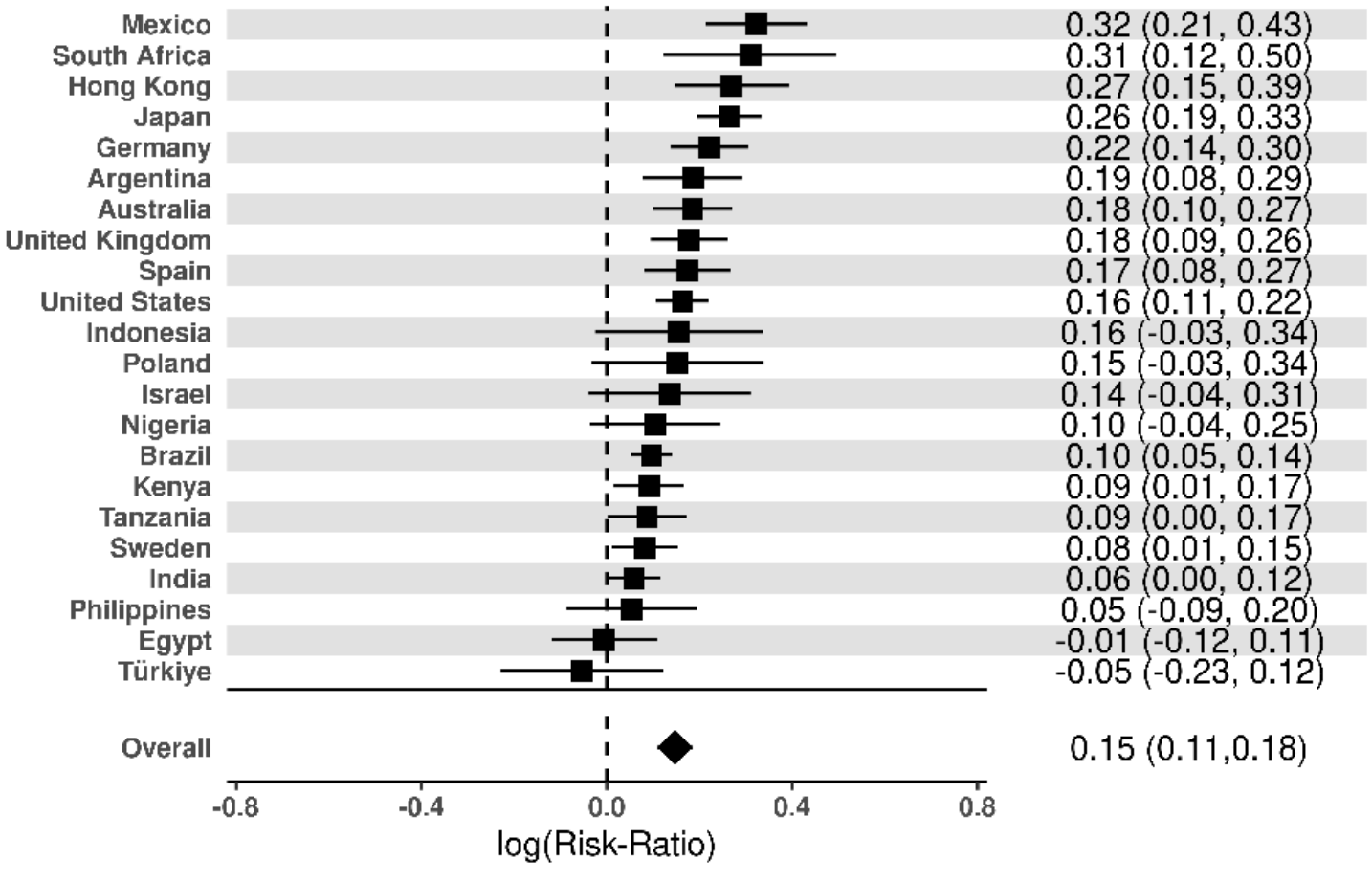
τ=0.046; Q-profile 95% CI [0.000, 0.081]; I^2=34.85;

Figure S9. Forest plot for `Abuse`-`Yes` effect



τ=0.048; Q-profile 95% CI [0.031, 0.082]; I^2=58.75;
Excluded countries: Israel

Figure S10. Forest plot for `Outsider growing up`-`Yes` effect



τ=0.072; Q-profile 95% CI [0.039, 0.108]; I^2=71.81;

Figure S11. Forest plot for `Self-rated health growing up`-`Excellent` effect

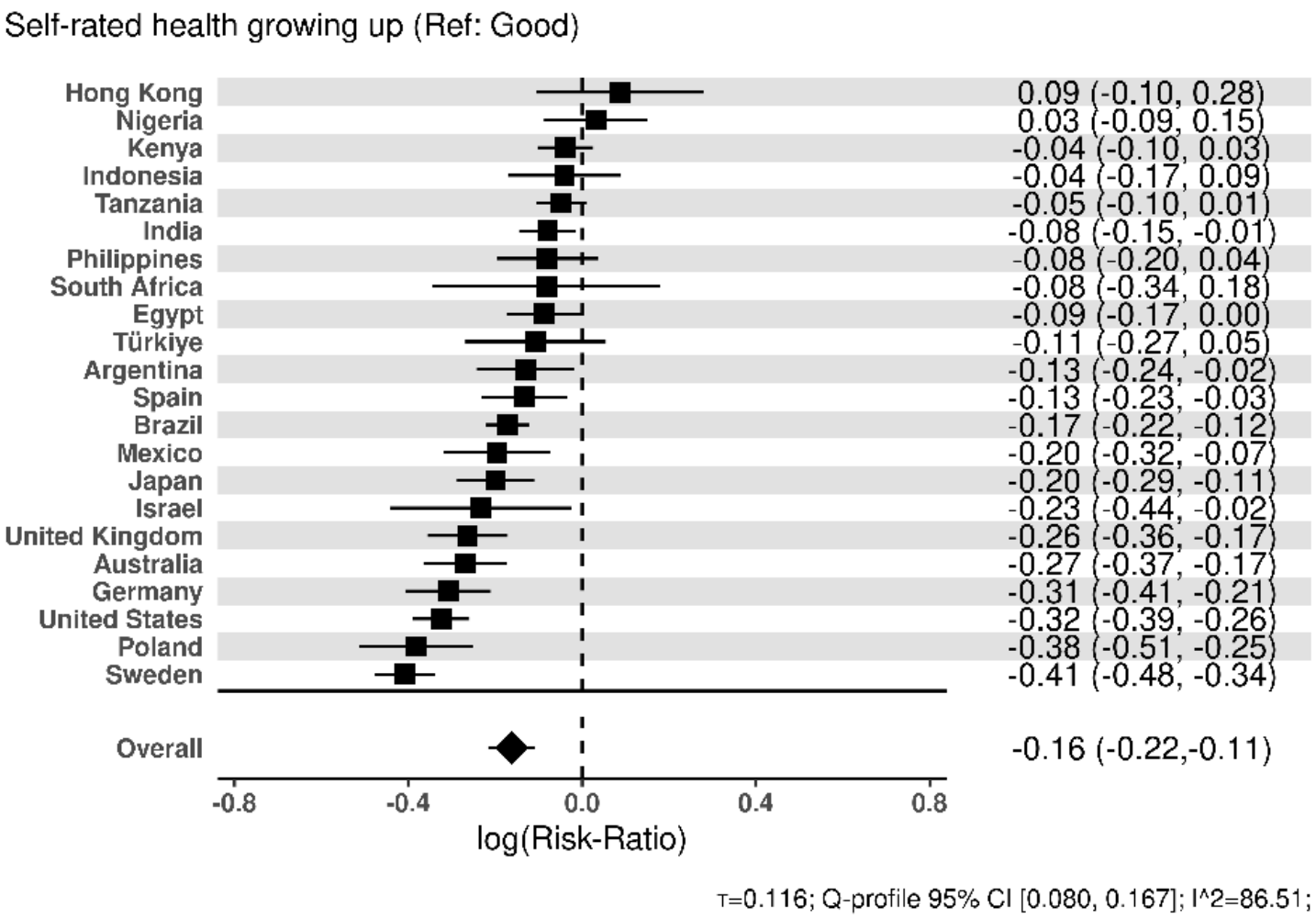


Figure S12. Forest plot for `Self-rated health growing up`-`Very good` effect

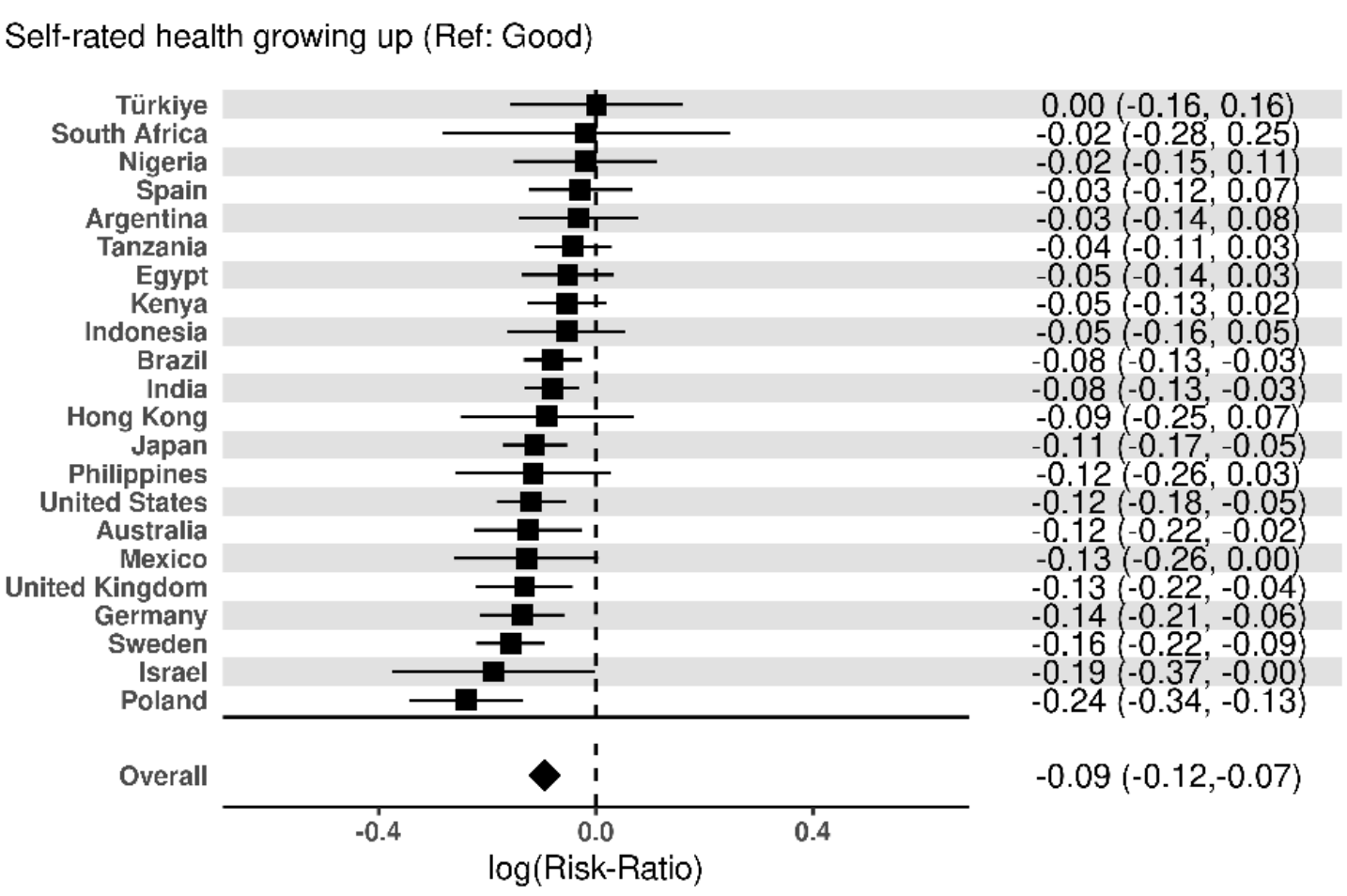
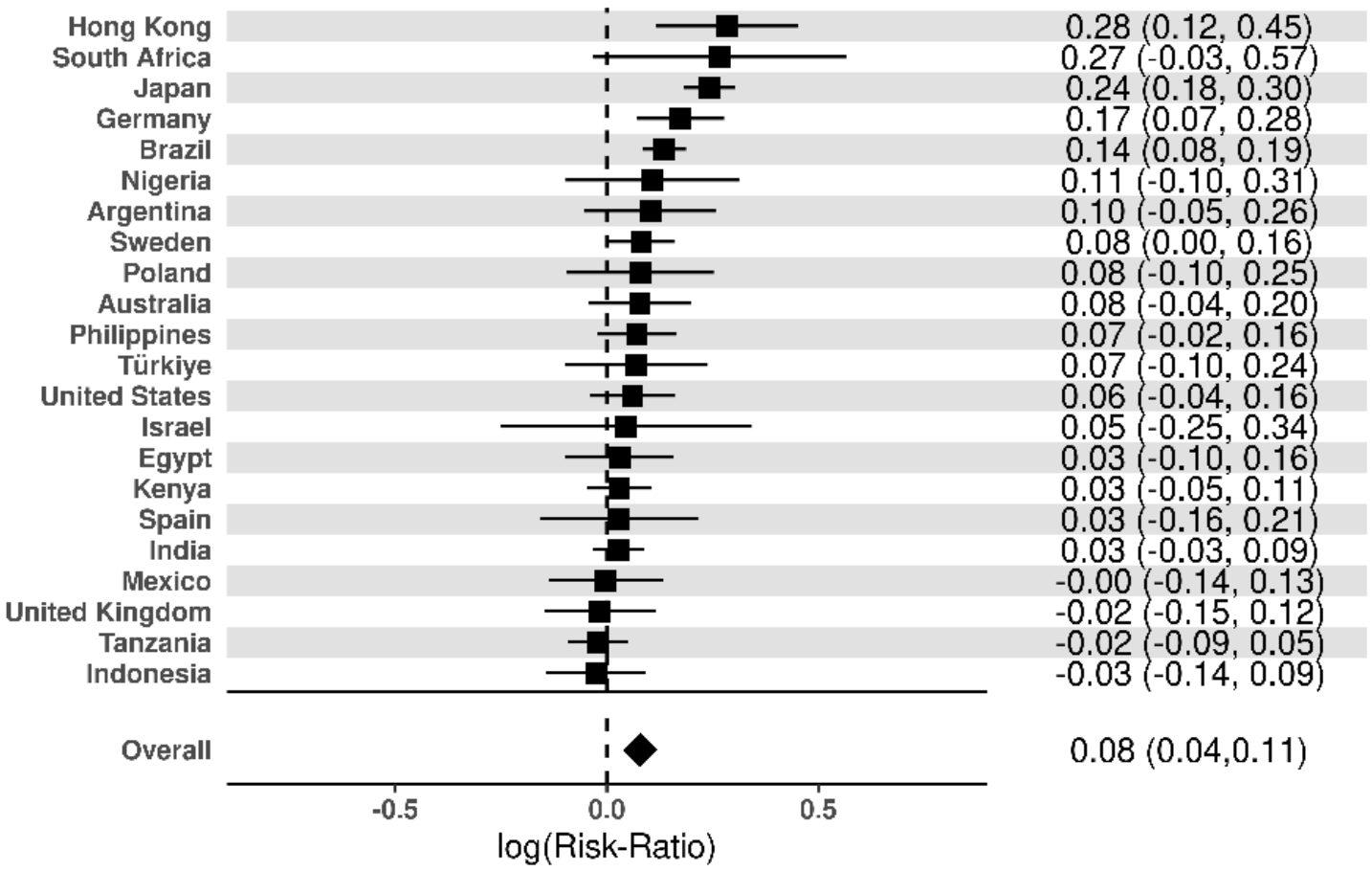


Figure S13. Forest plot for `Self-rated health growing up`-`Fair` effect

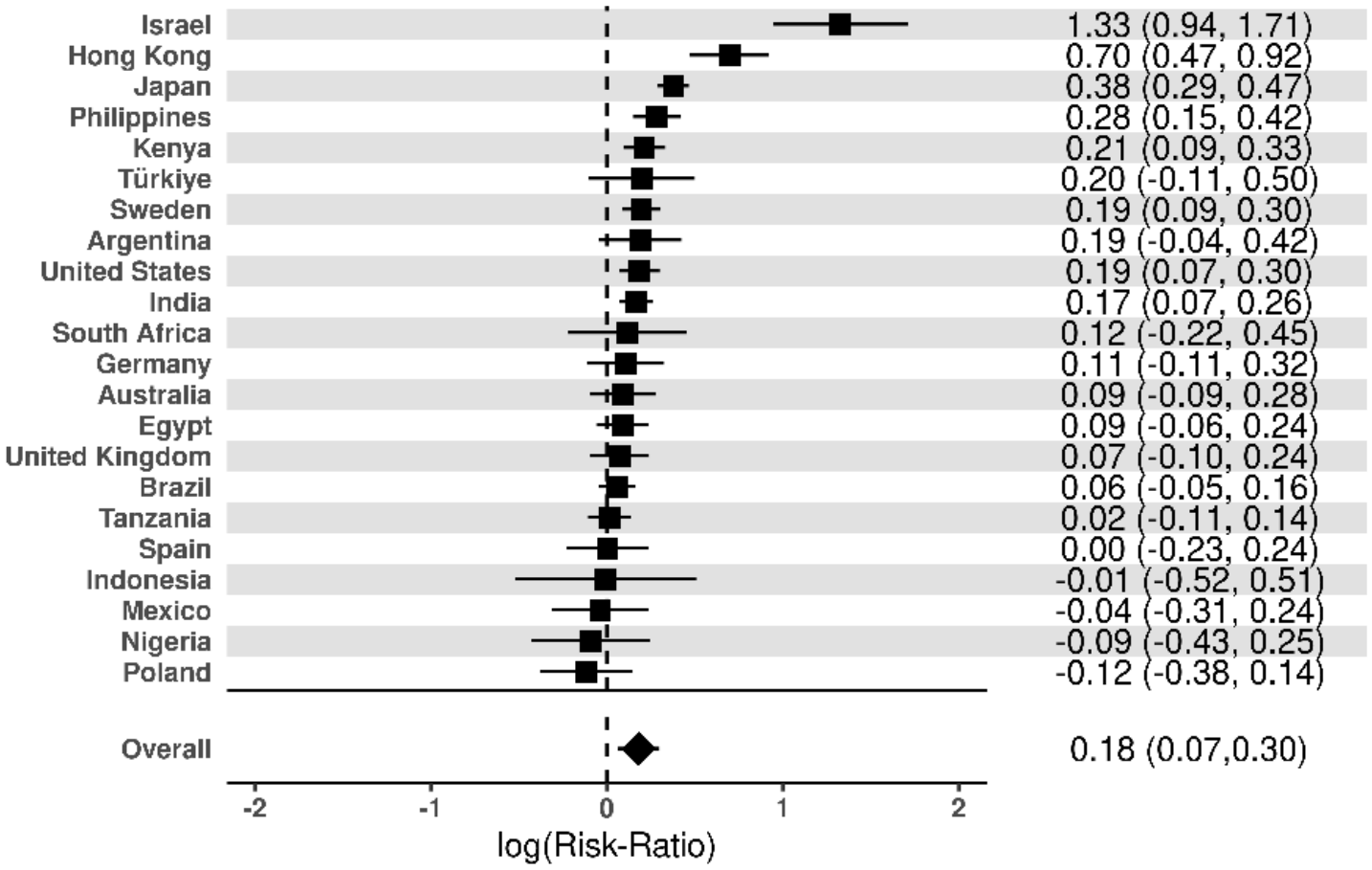
Self-rated health growing up (Ref: Good)



τ=0.058; Q-profile 95% CI [0.038, 0.103]; I^2=56.72;

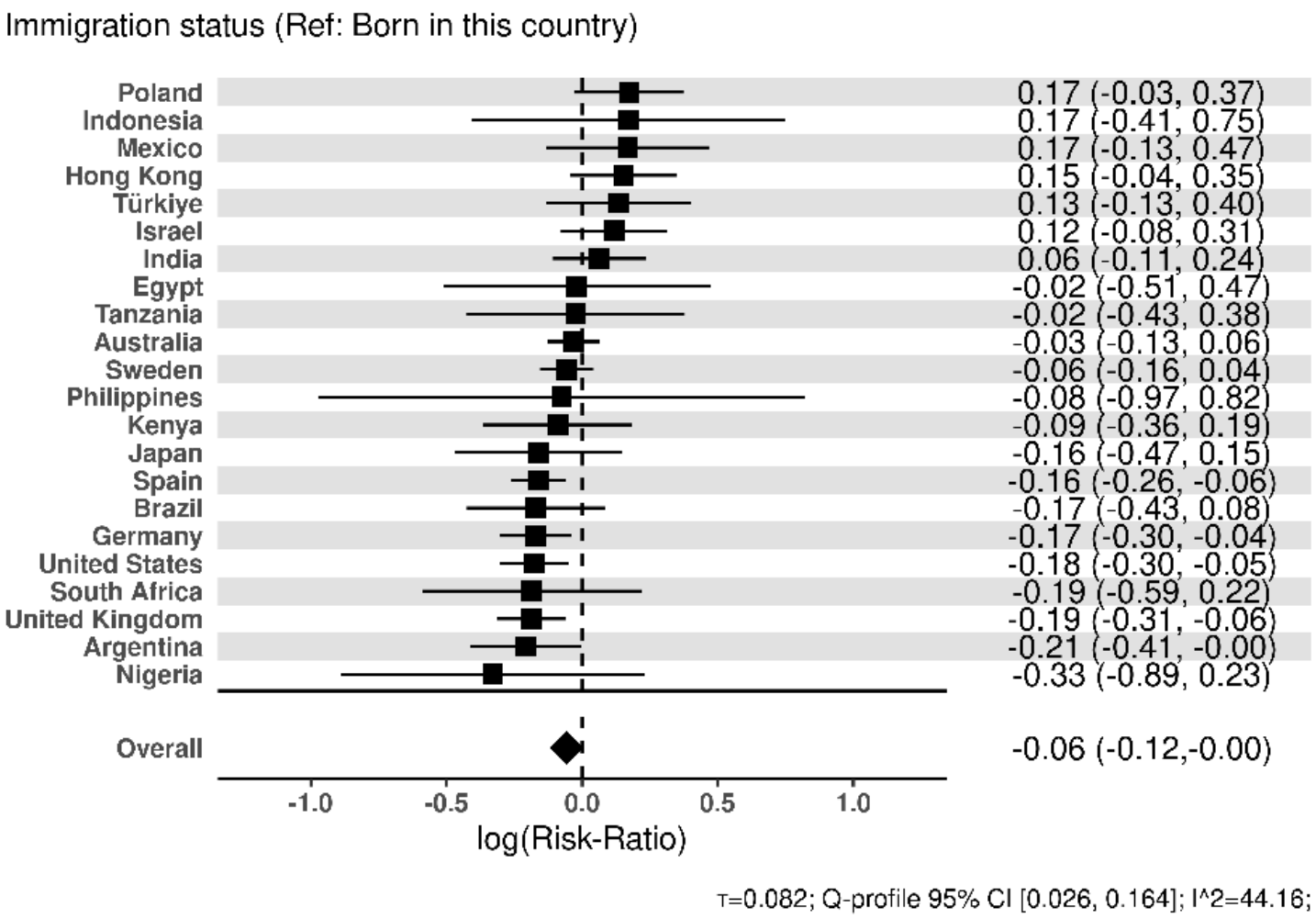
Figure S14. Forest plot for `Self-rated health growing up`-`Poor` effect

Self-rated health growing up (Ref: Good)



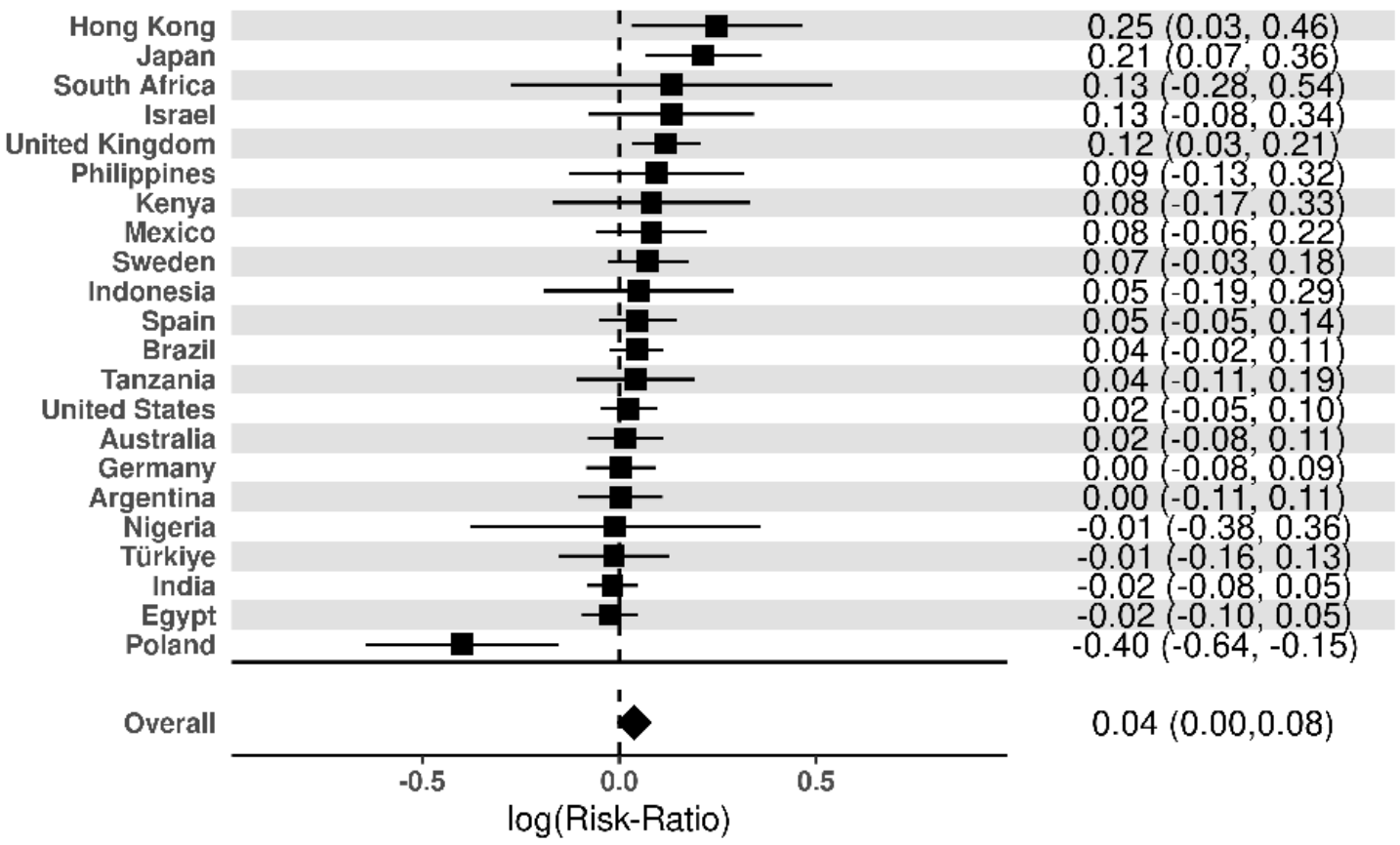
τ=0.256; Q-profile 95% CI [0.120, 0.346]; I^2=91.19;

Figure S15. Forest plot for `Immigration status`-`Born in another country` effect



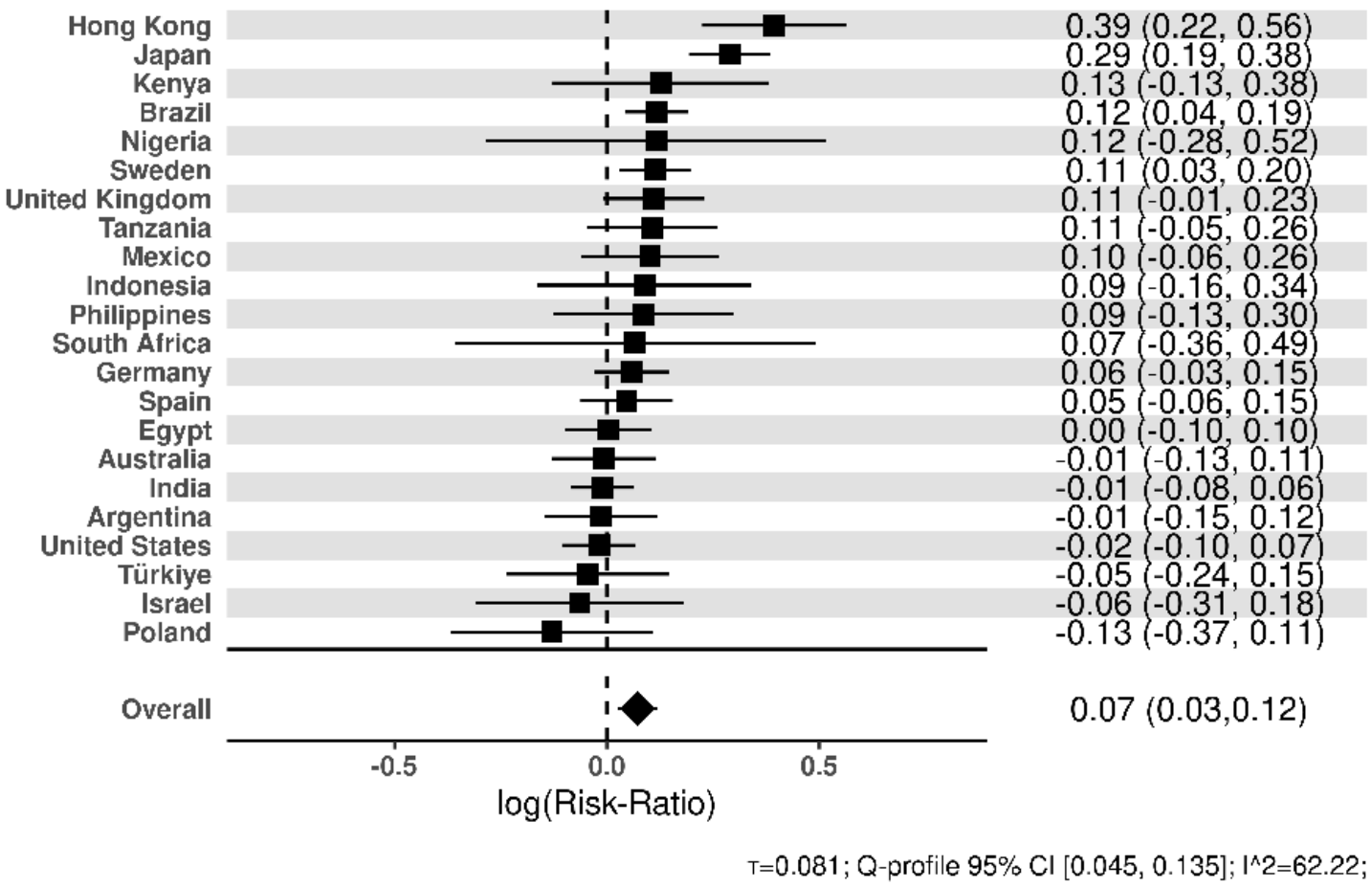
τ=0.082; Q-profile 95% CI [0.026, 0.164]; I^2=44.16;

Figure S16. Forest plot for `Age 12 religious service attendance`-`At least 1/week` effect



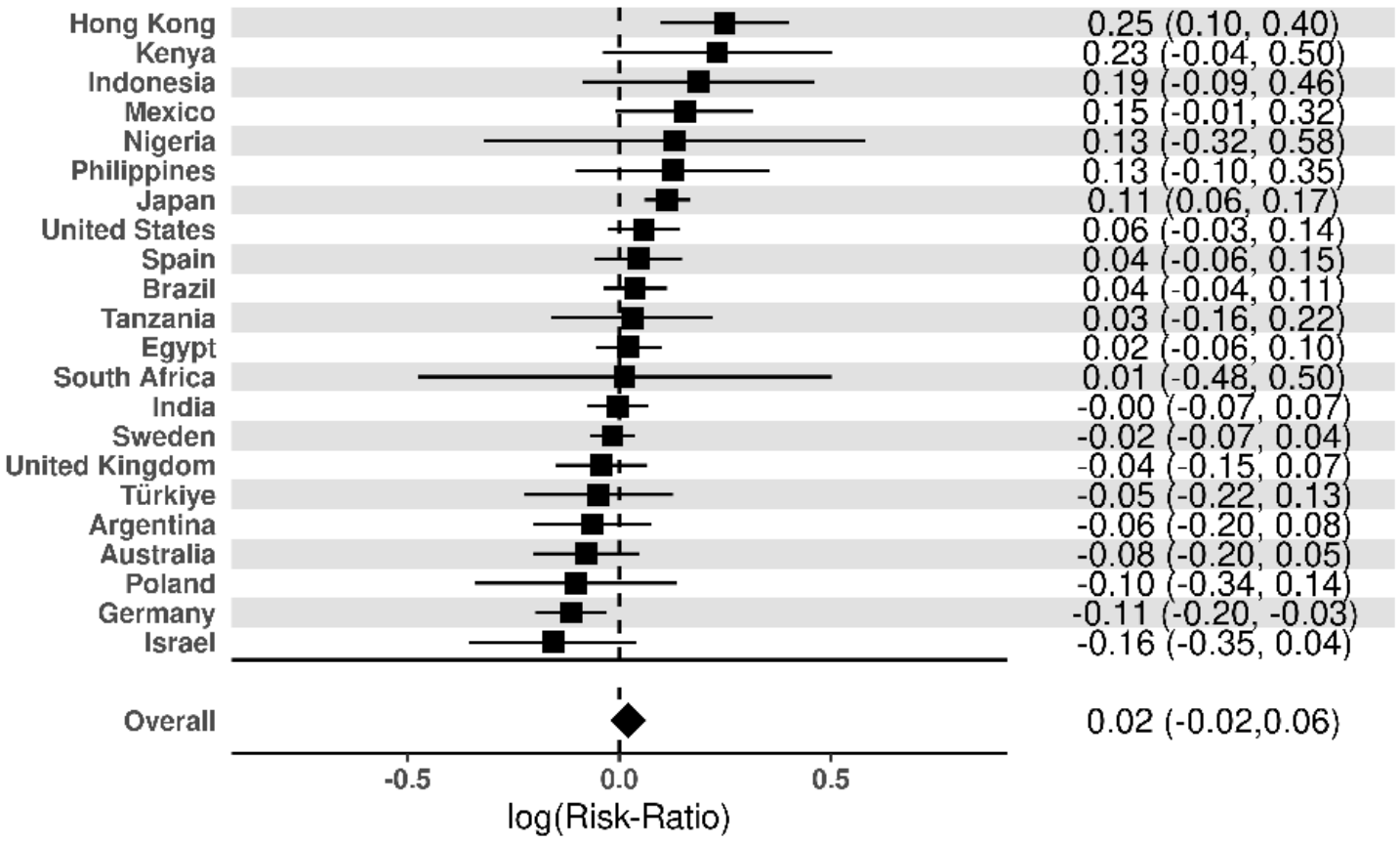
τ=0.060; Q-profile 95% CI [0.000, 0.091]; I^2=51.98;

Figure S17. Forest plot for `Age 12 religious service attendance`-`1-3/month` effect



τ=0.081; Q-profile 95% CI [0.045, 0.135]; I^2=62.22;

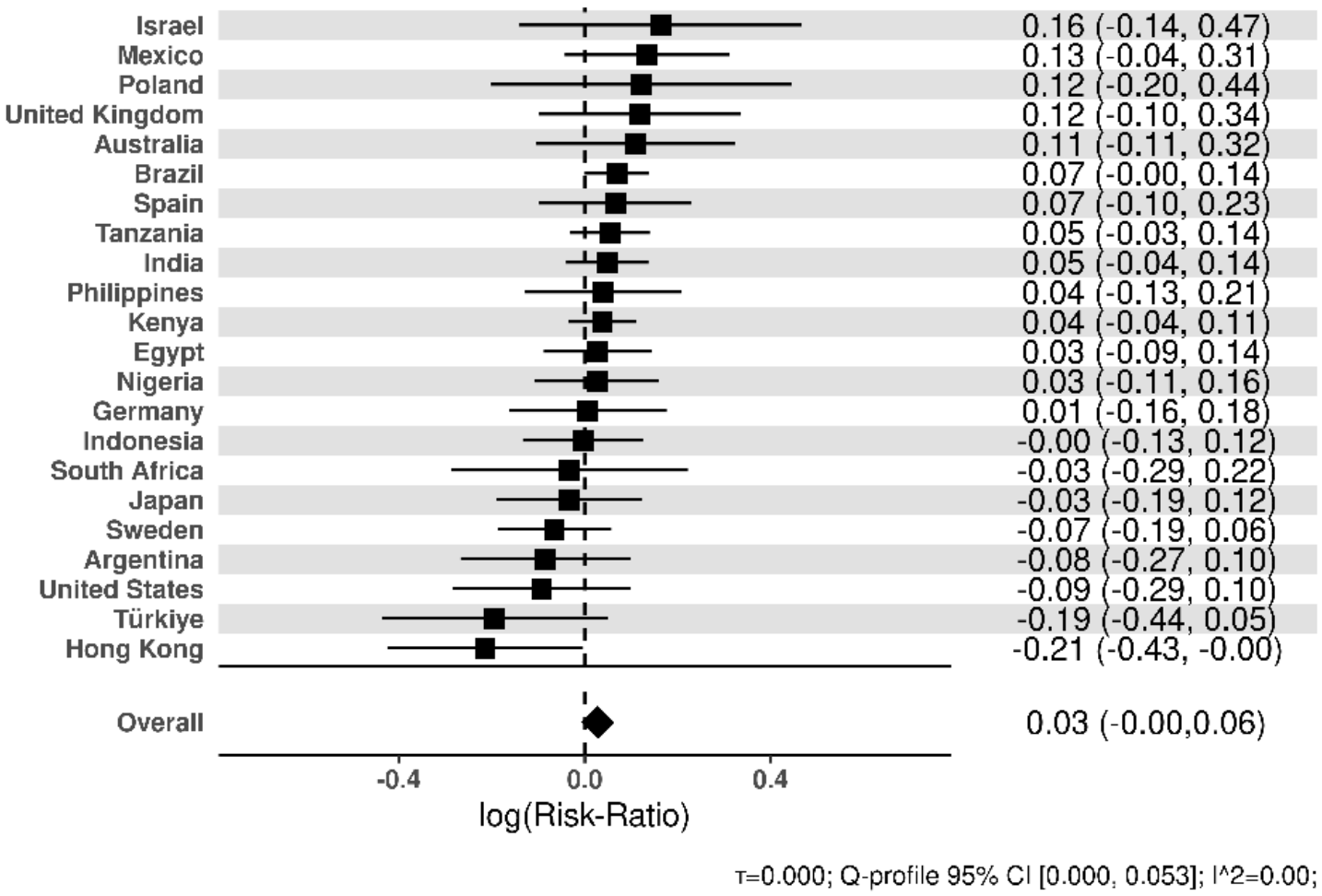
Figure S18. Forest plot for `Age 12 religious service attendance`-`<1/month` effect



τ=0.068; Q-profile 95% CI [0.029, 0.113]; I^2=60.84;

Figure S19. Forest plot for `Year of birth`-`1993-1998; age 25-29` effect

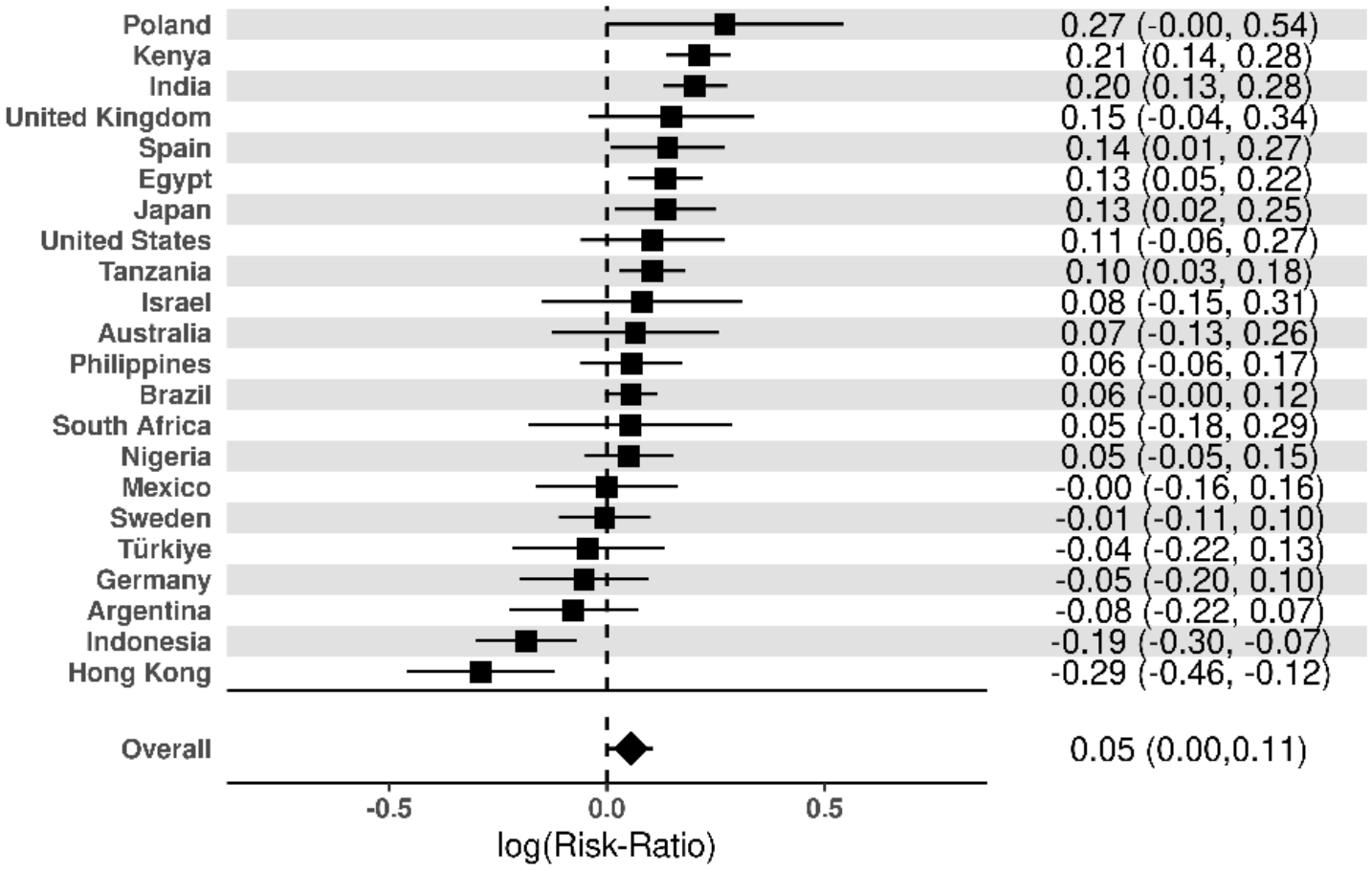
Year of birth (Ref: 1998-2005; age 18-24)



τ=0.000; Q-profile 95% CI [0.000, 0.053]; I^2=0.00;

Figure S20. Forest plot for `Year of birth`-`1983-1993; age 30-39` effect

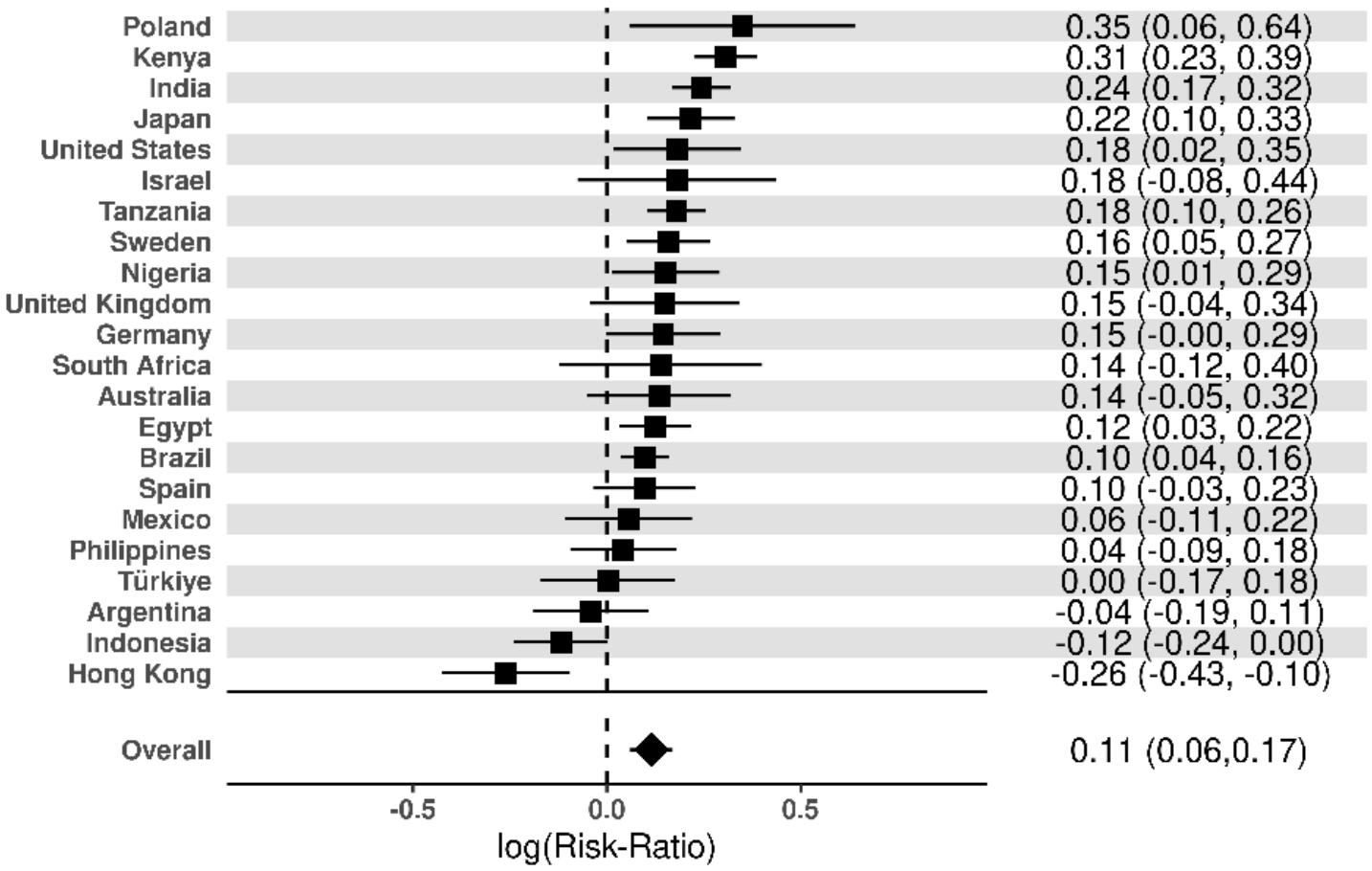
Year of birth (Ref: 1998-2005; age 18-24)



τ=0.103; Q-profile 95% CI [0.063, 0.154]; I^2=75.87;

Figure S21. Forest plot for `Year of birth`-`1973-1983; age 40-49` effect

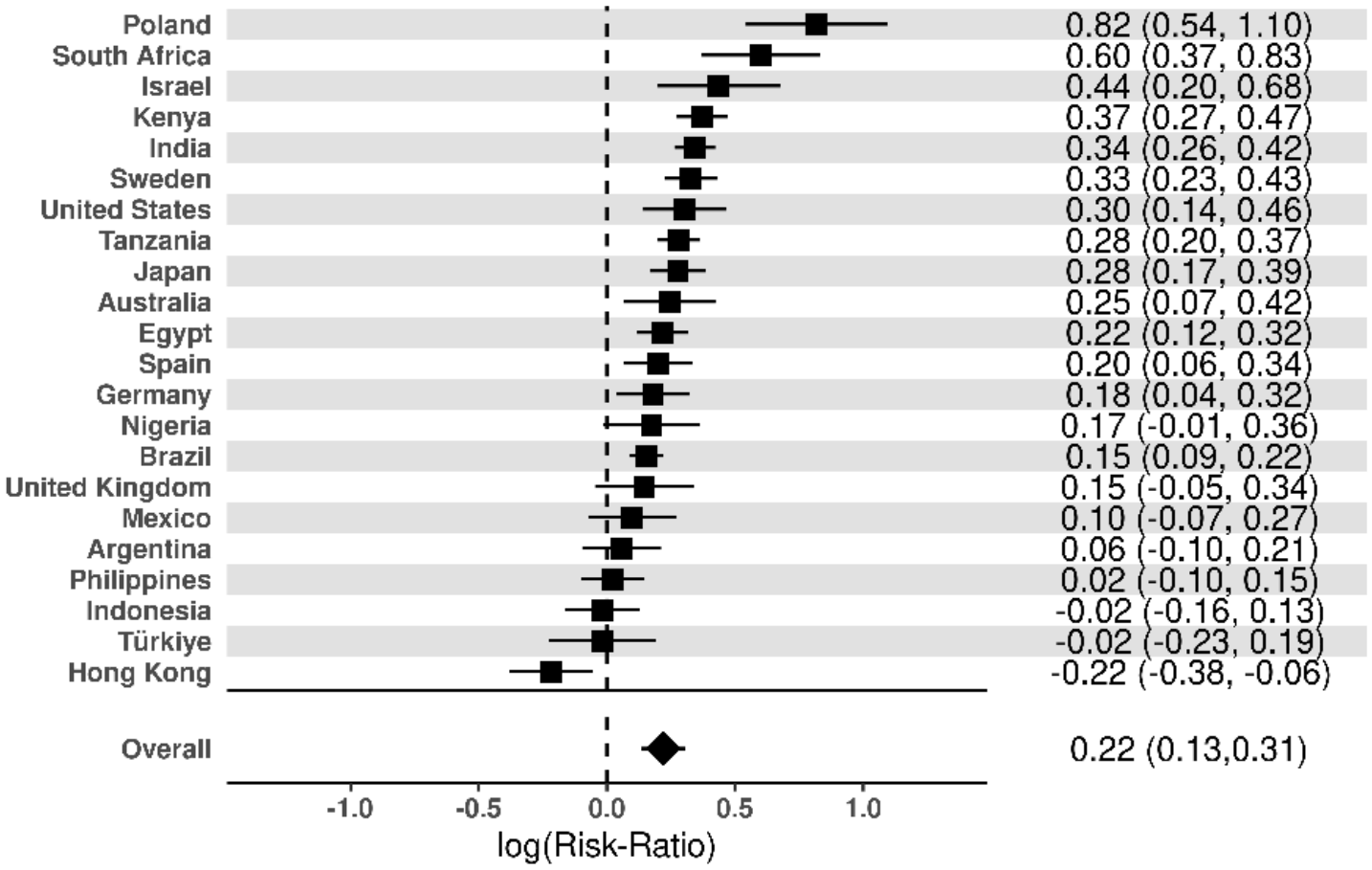
Year of birth (Ref: 1998-2005; age 18-24)



τ=0.108; Q-profile 95% CI [0.067, 0.162]; I^2=76.11;

Figure S22. Forest plot for `Year of birth`-`1963-1973; age 50-59` effect

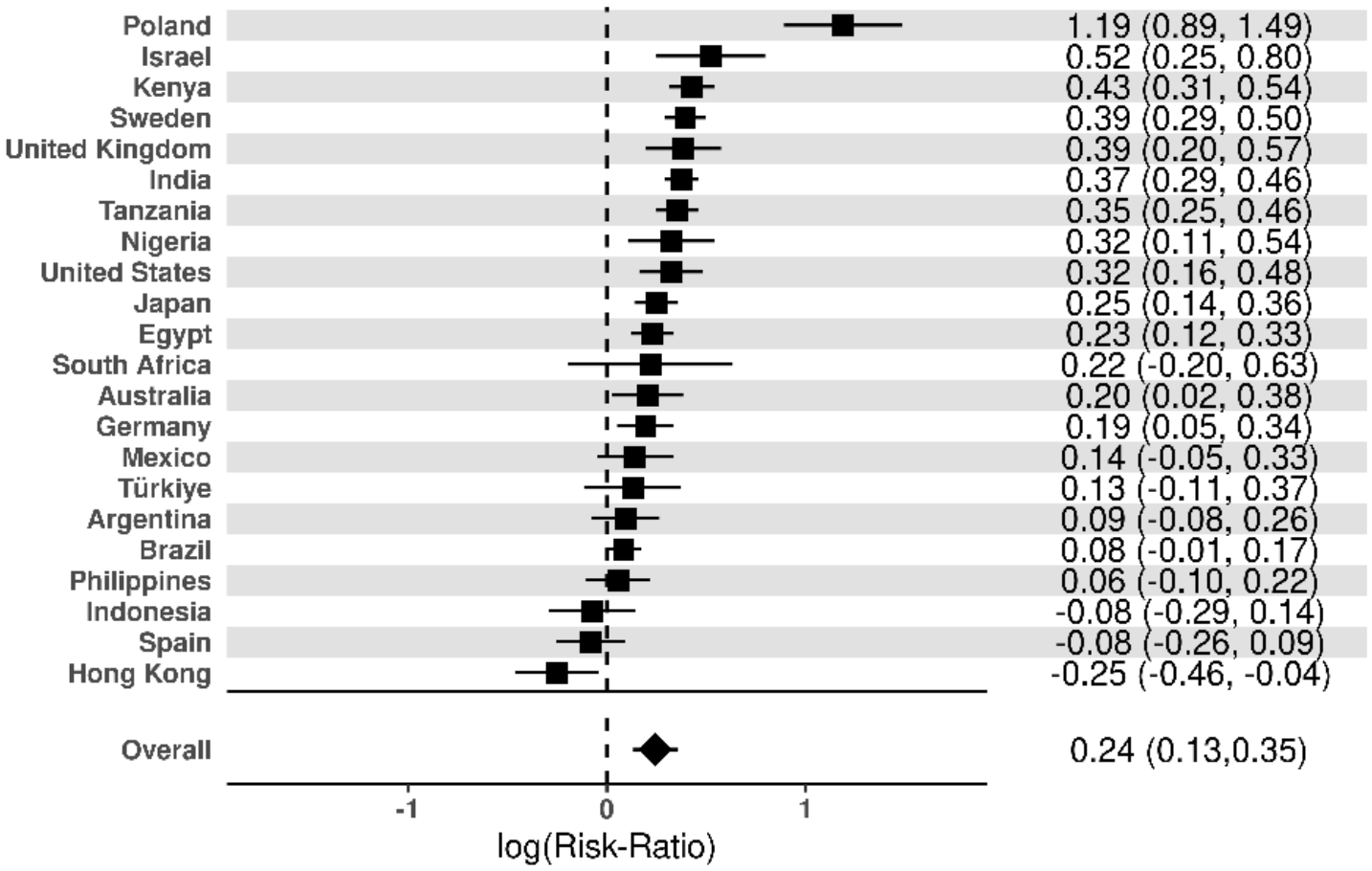
Year of birth (Ref: 1998-2005; age 18-24)



τ=0.191; Q-profile 95% CI [0.112, 0.262]; I^2=89.81;

Figure S23. Forest plot for `Year of birth`-`1953-1963; age 60-69` effect

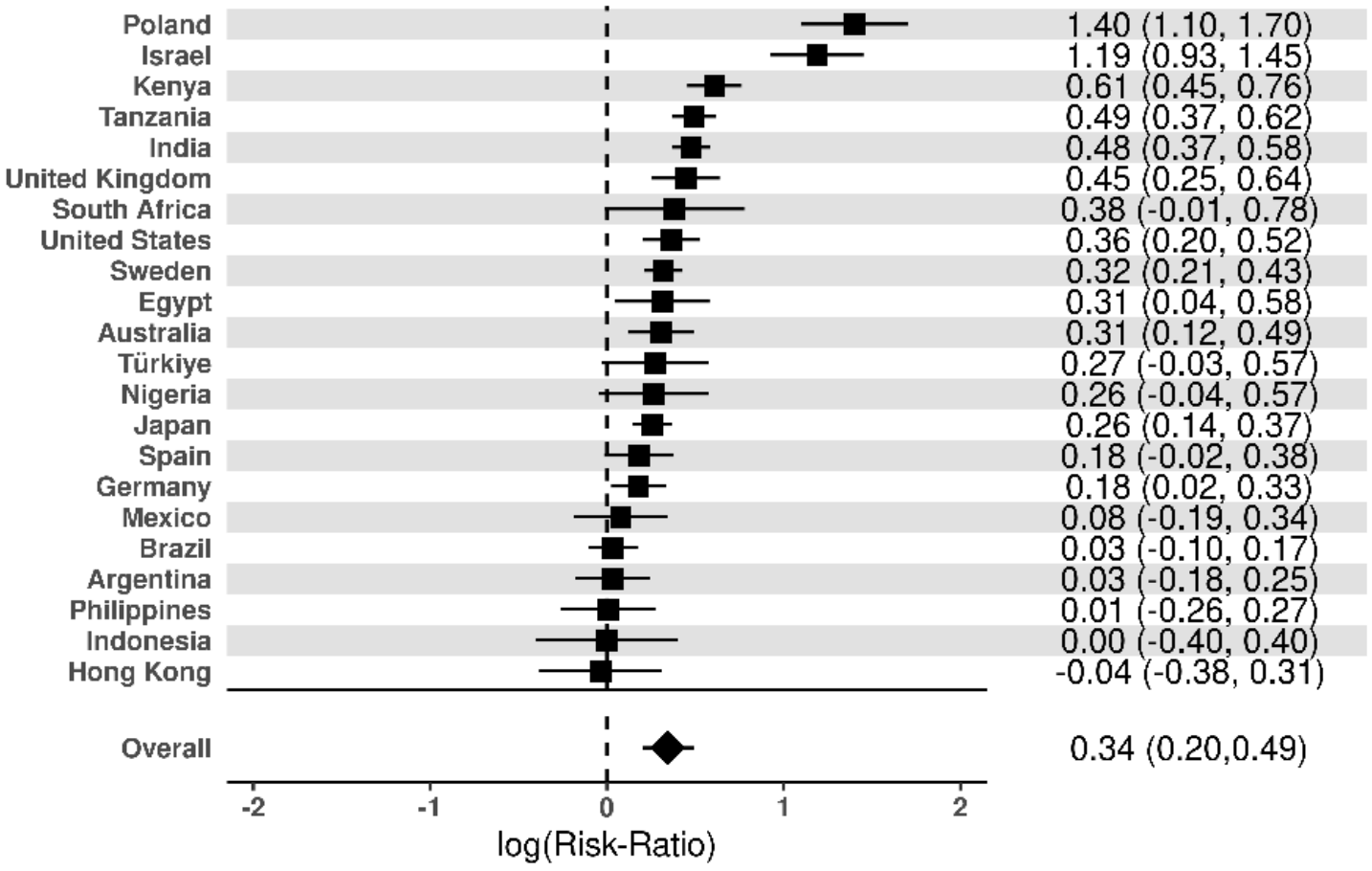
Year of birth (Ref: 1998-2005; age 18-24)



τ=0.249; Q-profile 95% CI [0.152, 0.341]; I^2=91.94;

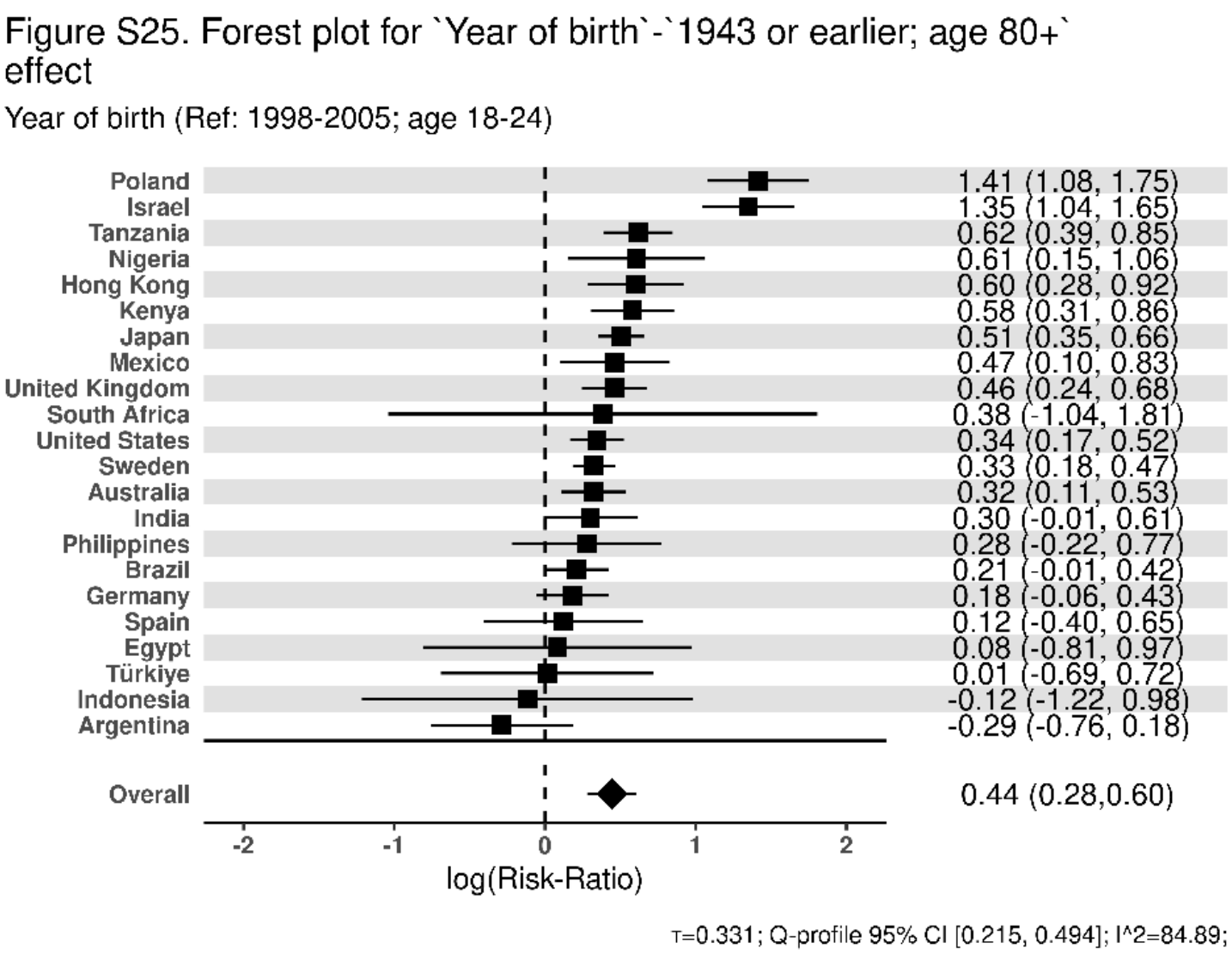
Figure S24. Forest plot for `Year of birth`-`1943-1953; age 70-79` effect

Year of birth (Ref: 1998-2005; age 18-24)



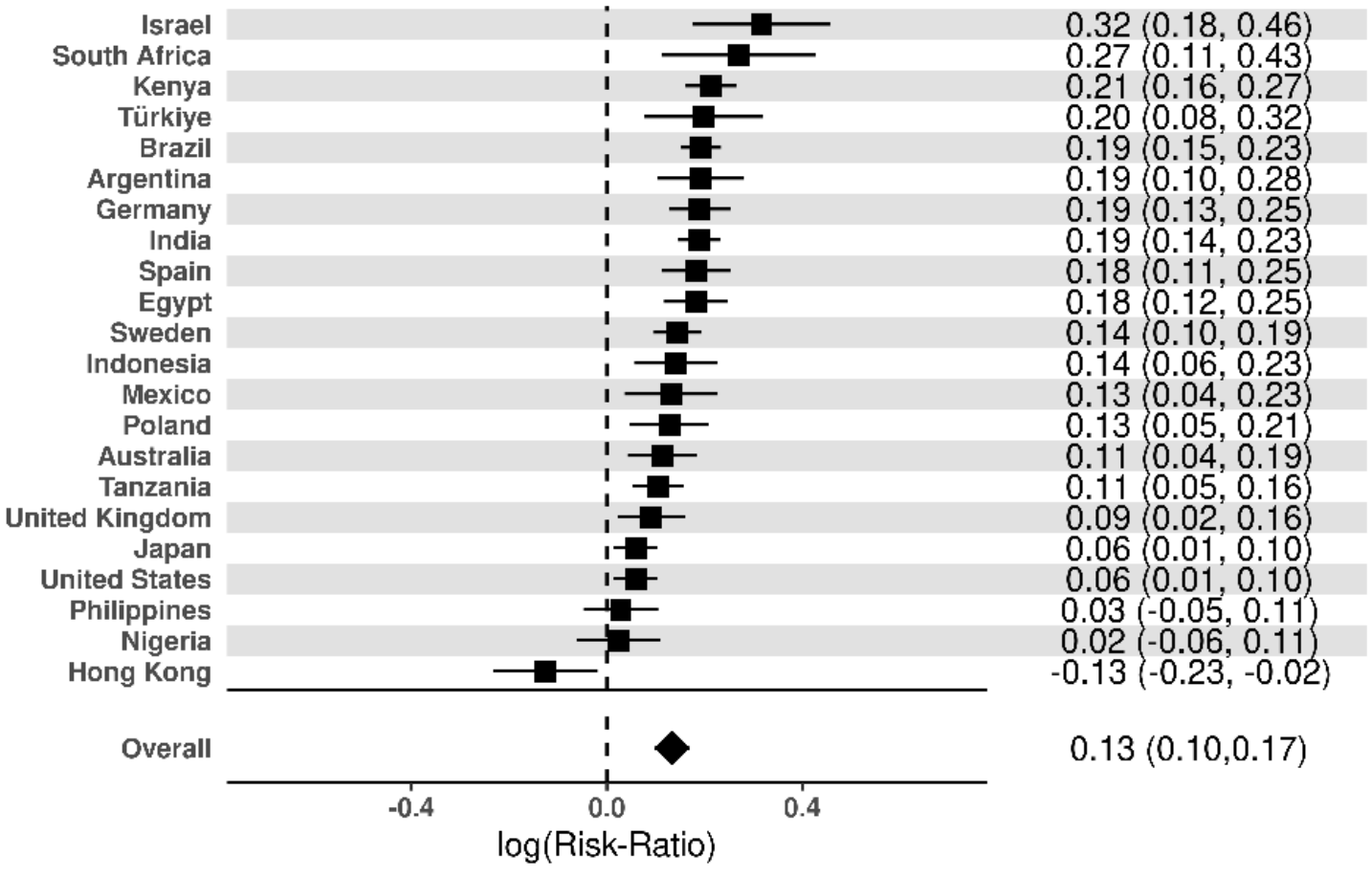
τ=0.326; Q-profile 95% CI [0.216, 0.451]; I^2=92.66;

Figure S25. Forest plot for `Year of birth`-`1943 or earlier; age 80+` effect



τ=0.331; Q-profile 95% CI [0.215, 0.494]; I^2=84.89;

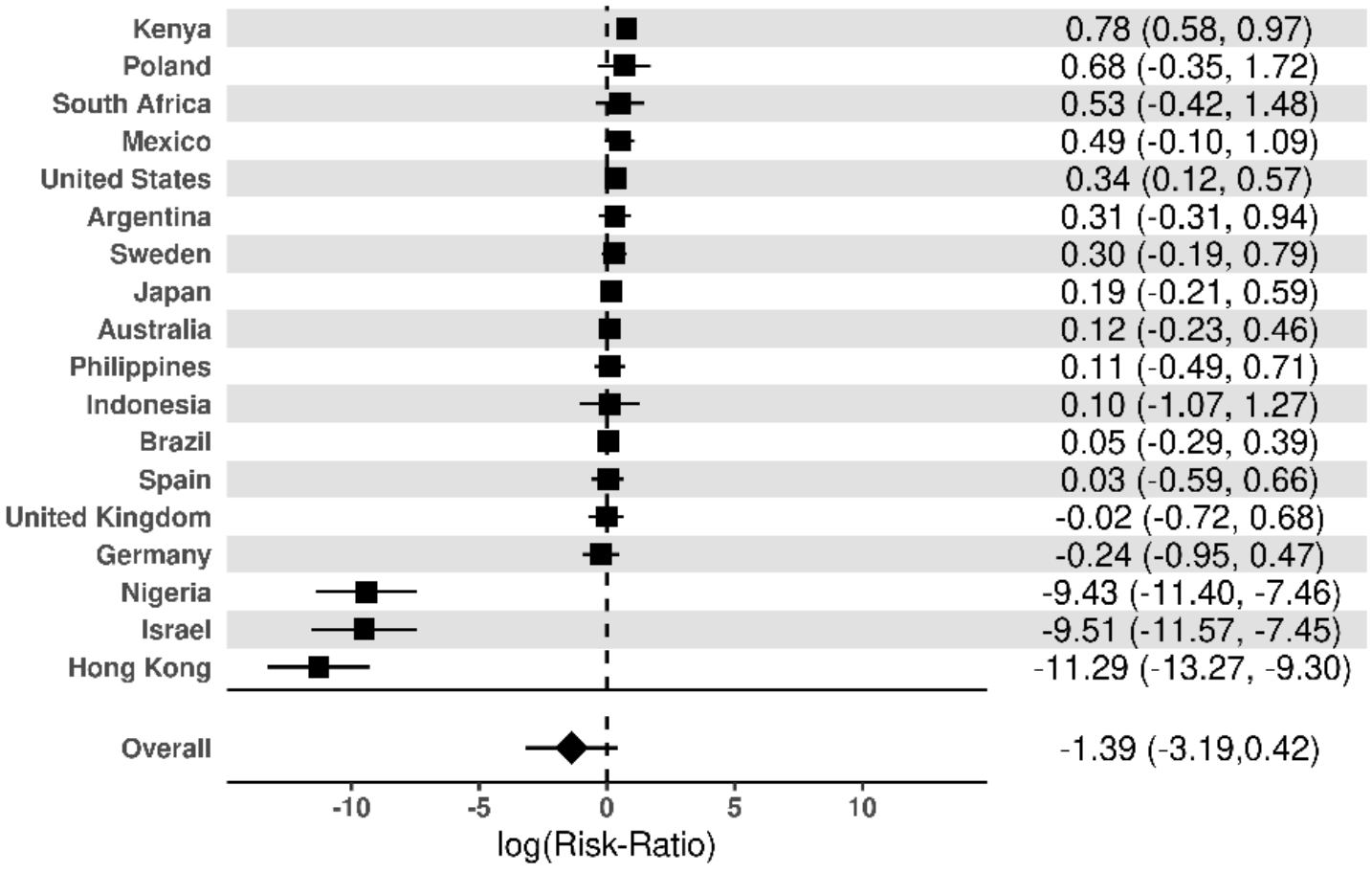
Figure S26. Forest plot for `Gender`-`Female` effect



τ=0.077; Q-profile 95% CI [0.044, 0.108]; I^2=84.76;

Figure S27. Forest plot for `Gender`-`Other` effect

Gender (Ref: Male)



τ=3.872; Q-profile 95% CI [2.647, 5.409]; I^2=99.63;
Excluded countries: India, Egypt, Tanzania, Turkiye

Text S.1: Preregistration

The preregistration can be seen at
https://osf.io/zshpy/?view_only=34700935c63449968221300d51b91350

1.1.

1.2. **Registration Metadata**

This metadata applies only to the registration you are creating, and will not be applied to your project.

1.2.1. Title*

Please add a title that would be suitable for a publication that describes your research. Please **avoid** titles like "Sample Data Request" or "testing". You will not be able to edit your title once your preregistration is confirmed.

Childhood Predictors of Physical Pain: A Cross-National Analysis (in the Global Flourishing Study)

1.2.2. Description *

Enter a brief description of your project. This should be an abridged version of your abstract.

Prior research documents strong associations between lower levels of physical pain with improved health and well-being outcomes. However, less is known about candidate childhood antecedents that shape physical pain in adulthood. We will use data from a diverse, and international sample of 200,000 individuals across 22 countries, to evaluate 16 childhood candidate predictors of physical pain in adulthood. We hypothesize that these childhood experiences, personal attributes, and familial or social circumstances will have meaningful and varied associations with adulthood levels of physical pain. Additionally, we anticipate the strength of these associations will differ by country, reflecting diverse societal influences. Using multivariate regression analysis and E-values for robustness check against potential unmeasured confounding. Our study aims to provide comprehensive insights into early-life experiences that contribute to the levels of physical pain in adulthood. The findings will enhance our understanding of early-life predictors of adult outcomes and provide valuable evidence for developing approaches to reducing physical pain levels.

1.2.3. **Contributors**

Name (locate in OSF or add as an unregistered contributor)	**Permissions** Read more about Permissions	**Include in Citation?** Non-citation contributors are typically lab managers or administrators who aren't usually shown as authors on papers

Lucia Macchia	Administrator	
Emeka Okafor	Read	
Thomas Breedlove	Read	
Alan Piper	Administrator	
Byron Johnson	Administrator	
Tyler J. VanderWeele	Administrator	

1.2.4. **Category**

1.2.5. **Affiliated institutions**

1.2.6. License *

A license tells others how they can use your work in the future and only applies to the information and files submitted with the registration. For more information, see this article on licenses.

GNU General Public License (GPL) 3.0

1.2.7. Subjects *

Browse by all subjects OR Search subjects

Social and Behavioral Sciences

Tags

Add to advance discoverability

Global Flourishing Study, Physical Pain, Childhood Predictors, Flourishing, Cross-cultural

1.3. **Study Information**

1.3.1. **Research Question**

List the research question(s) included in this study.

Research Question #1: How do different aspects of a child's upbringing (*see below for list of variables) predict physical pain in adulthood? Research Question #2: Do these associations vary by country?

Research Question #3: Are the observed relationships robust to potential unmeasured confounding, as assessed by E-values?

*Age (Year of Birth), Gender, Marital Status / Family Structure, Age 12 Religious Service Attendance, Relationship with Mother, Relationships with Father, Outsider Growing Up, Abuse, Self-Rated Health Growing Up, Subjective Financial Status of Family Growing Up, Immigration Status, Race/Ethnicity (when available), Religious Affiliation at Age 12

1.3.2. **Hypotheses**

List your study hypotheses below.

Hypothesis #1: In this exploratory analysis we hypothesize that among the 13 childhood predictors that we will evaluate (*see below for list of variables), certain predictors will show meaningful associations with an individual's physical pain in adulthood. This exploratory analysis aims to highlight key early-life experiences, personal attributes, and familial or social circumstances that fundamentally contribute to the levels of physical pain in adulthood.

Hypothesis #2: We hypothesize that the strength of associations between the 13 childhood predictors (*see below for list of variables) and an individual's physical pain in adulthood will vary by country, reflecting the influence of diverse sociocultural, economic, and health contexts that characterize each nation. This cross-national variation may illuminate the role of broader societal factors in shaping the relationship between childhood experiences and adult outcomes.

Hypothesis #3: We hypothesize that the observed associations between the 13 childhood predictors (*see below for list of variables) and an individual's physical pain in adulthood will be robust against potential unmeasured confounding. This robustness will be assessed through E-values, in some cases suggesting that the observed associations would require strong confounding effects by unmeasured variables to explain away, thus enhancing the credibility of our findings.

*Age (Year of Birth), Gender, Marital Status / Family Structure, Age 12 Religious Service Attendance, Relationship with Mother, Relationships with Father, Outsider Growing Up, Abuse, Self-Rated Health Growing Up, Subjective Financial Status of Family Growing Up, Immigration Status, Race/Ethnicity (when available),Religious Affiliation at Age 12

1.3.3. **Registered Report**

Is this a preregistration for a study that has been submitted as a Stage 1 Registered Report or has been given in-principle acceptance for publication as a Registered Report? Note: your ability to submit a registered report to a journal may be limited once access to the data has been granted. If you have already submitted your Stage 1 manuscript for review at a journal, please reach out to the journal you are working with to discuss their

rules about data viewing before IPA has been granted. Please see FAQs at cos.io/globalflourishingstudy for more information on Registered Reports.

- Yes
- ~~No~~

Registered Report Journal

If this is for a Registered Report, please provide the name of the journal:

Registered Report In-principle Acceptance Date

Specify whether there has been an In-principle acceptance, rejection, or currently under review and the date (optional)

Manuscript

Please attach the protocol that has been submitted for publication as a Registered Report. Completed studies with final results may not use this form.

You may attach up to 5 file(s) to this question. Files cannot total over 5GB in size.

Uploaded files will automatically be archived in this registration. They will also be added to a related project that will be created for this registration.

1.4. **Data Description**

The Global Flourishing Study is a five-year, longitudinal study investigating the predictors of human flourishing across approximately 200,000 participants from 22 geographically and culturally diverse countries. More information about the dataset, how it can be accessed, how it was collected, and its codebook are available at https://osf.io/3jtz8/. Wave 1 of these data are available to researchers who preregistered their hypotheses on the Open Science Framework.

1.4.1. Dataset Access Logs

Which versions of the data have you or your collaborators already seen? Check all that apply.

- ~~None~~
- Sample data (perturbed and randomized accessed through the Global Flourishing webpage)
- Sample data (randomized accessed through a prior preregistration)
- Wave 1 data

1.4.2. Data Access Logs (Required)

Specify the date of download and/or access for each author, if any author(s) has/have accessed the data prior to this preregistration. Add links to any affiliated preregistrations.

NA

To access wave one data, you must use a comparative dataset in your analysis plan and answer the questions below. See FAQ's for more information.

1.4.3. **Data Description**

Name and describe the dataset that you will be using in conjunction with the Global Flourishing Study data. If applicable, name and describe the subset(s) of the data you plan to use. Useful information to include here is: (a) the type of data (e.g., cross-sectional or longitudinal); (b) the general content of the questions; and (c) some details about the respondents.

1.4.4. **Data Availability**

Specify the extent to which the dataset that you will be using in conjunction with the Global Flourishing Study data is open or publicly available on the date that you are pre-registering your research. Make note of any barriers to accessing the data, even if it is publicly available.

1.4.5. **Data Access**

How can the data that you will be using in conjunction with the Global Flourishing Study data be accessed? Provide a persistent identifier or link if the data are available online or give a description of how you obtained the dataset.

1.4.6. **Data downloads**

For all datasets, specify the date of download and/or access for each author, if any author(s) has/have accessed the data prior to pre-registration.

1.4.7. **Data Collection Information**

For the dataset you will be using in conjunction with the Global Flourishing Study data, If the data collection procedure is well documented, provide a link to that information. If the data collection procedure is not well documented, describe, to the best of your ability, how data were collected.

1.4.8. **Data Codebook**

Some studies offer codebooks to describe their data. If such a codebook is publicly available for the dataset you will be using in conjunction with the Global Flourishing Study data, link to it here or upload the document. If not, provide other available documentation. Also provide guidance on what parts of the codebook or other documentation are most relevant.

1.5.

1.6. **Additional Analyses**

1.6.1. **Preregistration Update**

Are you updating your preregistration to perform additional analyses?

- Yes
- ~~No~~

1.6.2. **Update Details**

If Yes, please provide details of your new hypotheses and whether they are based on data you have already examined or if they are for new, unexplored parts of the dataset.

1.7.

1.8. **Variables**

1.8.1. **Scale/Index Aggregation**

For each scale/index, state the construct that the index represents, which items the scale/index will consist of, how these items will be aggregated, and whether this aggregation is based on a recommendation from the study codebook or validation research. If you are using any categorical variables, state how you will code them in the statistical analyses.

Physical Pain: This construct is assessed with one question: “How much bodily pain have you had during the past 4 weeks?” [response options include: A lot, some, not very much, or none at all]. In the primary analyses, Physical Pain will be dichotomized as A lot/some vs. not very much/none at all.
Age (Year of Birth)
Gender
Marital Status / Family Structure
Age 12 Religious Service Attendance
Relationship with Mother
Relationships with Father
Outsider Growing Up
Abuse
Self-Rated Health Growing Up

Subjective Financial Status of Family Growing Up
Immigration Status
Race/Ethnicity (when available)
Religious Affiliation at Age 12

1.8.2. **Units of Analysis**

Which units of analysis (respondents, cases, etc.) will be included or excluded in your study? Taking these inclusion/exclusion criteria into account, indicate the (expected) sample size of the data you'll be using for your statistical analyses to the best of your knowledge. In the next few questions, you will be asked to refine this sample size estimation based on your judgments about missing data and outliers.

For the analysis, we will include everyone for whom we have data.

1.8.3. **Missing Data**

What do you know about missing data in the dataset (i.e., overall missingness rate, information about differential dropout)? How will you deal with incomplete or missing data? Based on this information, provide a new expected sample size.

All missing exposures, covariates, and outcome variables will be imputed using multiple imputation by chained equations, and five datasets will be created. The survey weights will be included as a variable in the imputation models. The descriptive statistics in Table 1 (see below) will not make use of the imputed data.
To account for variations in the assessment of certain variables across countries (e.g., race/ethnicity and religious affiliation) and the analysis plan, we will conduct the imputation process within each country separately. This within-country imputation approach will ensure that the imputation model accurately reflects country-specific contexts and assessment methods.

1.8.4. **Outliers**

If you plan to remove outliers, how will you define what a statistical outlier is in your data? Please also provide a new expected sample size, if appropriate.

We do not plan to remove outliers.

1.8.5. **Sampling Weights**

Are there sampling weights available with this dataset? If so, are you using them or are you using your own sampling weights?

We will use the sampling weights that are provided by Gallup

1.9.

1.10. **Analyses**

1.10.1. Statistical Models

What statistical model will you use to test each hypothesis? Please include the type of model (e.g. ANOVA, multiple regression, SEM, etc) and the specification of the model (this includes each variable that will be included as predictors, outcomes, or covariates). Please specify any interactions, subgroup analyses, pairwise or complex contrasts, or follow-up tests from omnibus tests. If you plan on using any positive controls, negative controls, or manipulation checks you may mention that here. Remember that any test not included here must be noted as an exploratory test in your final article.

As described below, our primary analysis presented in the main text of the paper will consist of meta-analyses across countries (see below for further details).

(1) Table 1 will consist of the means and standard deviations of each childhood predictor.

(2) Table 2 will consist of the results of a multivariate modified Poisson regression of dichotomized physical pain on the full set of childhood predictors: Age (Year of Birth), Gender, Marital Status / Family Structure, Age 12 Religious Service Attendance, Relationship with Mother, Relationships with Father, Outsider Growing Up, Abuse, Self-Rated Health Growing Up, Subjective Financial Status of Family Growing Up, Immigration Status, Race/Ethnicity (when available), Religious Affiliation at Age 12

(3) Table 3 will consist of E-values for the estimate and confidence interval of each modified Poisson regression coefficient to assess robustness or sensitivity to potential unmeasured confounding.

Each of these analyses will be carried out separately in each country.

We will use random effects meta-analysis to aggregate all findings in the main text. We will aggregate the estimated change in logits from the modified Poisson regressions from each country. The individual country-level modified Poisson regression analyses will each be presented in an online supplement. In the online supplement, we will also report results from population weighted meta-analysis.

1.10.2. Inference Criteria

What criteria will you use to make inferences? Please describe the information youĺll use (e.g. p-values, bayes factors, specific model fit indices), as well as cut-off criterion, where appropriate. Will you be using one or two tailed tests for each of your analyses? If you are comparing multiple conditions or testing multiple hypotheses, will you account for this?

We will present exact p-values and 95% confidence intervals. P-values will correspond to 2-tailed tests for each of our analyses. In our tables, and for ease of reviewing results, we will present multiple p-value cutoffs (both with* and without Bonferroni correction for multiple testing) because different investigators often use different threshold

standards for interpreting evidence based on current norms in their specific discipline.

Our primary analyses in the main text of the paper are meta-analyses across countries for each childhood predictor. Because race/ethnicity and religious affiliations are different across countries, only 11 childhood predictors will be presented in the main analyses. Our Bonferroni correction is thus 0.05/11 outcomes=p<0.0045.

1.10.3. Exploratory Tests

If you plan to explore your data set to look for unexpected differences or relationships, you may describe those tests here. An exploratory test is any test where a prediction is not made up front, or there are multiple possible tests that you are going to use. A statistically significant finding in an exploratory test is a great way to form a new confirmatory hypothesis, which could be registered at a later time.

Each group can decide if they want additional tests to add in the online supplement, and they should update the preregistration document with these additional tests.

1.11.

1.12. Other

1.12.1. Additional Information

If there is any additional information that you feel needs to be included in your preregistration, please enter it here. Literature cited, disclosures of any related work such as replications or work that uses the same data, or other context that will be helpful for future readers would be appropriate here.

1.13.

1.14. Data Request

1.14.1. Data Request

Which data are you requesting?
Note: If requesting sample data only, you will be able to update your preregistration when subsequently requesting the Wave 1 data.

- Sample data (Sweden dataset with random error introduced)
- ~~Wave 1 data~~

1.14.2. Datasets requested (region)

To which datasets are you requesting access?

- ~~Global (complete Wave 1 dataset)~~
- Argentina
- Brazil

- China
- Egypt
- Germany
- India
- Indonesia
- Israel
- Japan
- Kenya
- Mexico
- Nigeria
- Philippines
- Poland
- Russia (note: Russia is not available for wave one)
- South Africa
- Spain
- Sweden
- Tanzania
- Turkey
- UK
- United States

1.14.3. **Datasets requested (sensitivity)**

Are you requesting access to the sensitive or non-sensitive datasets?
Refer to the codebook for a list of sensitive variables: [link pending]

- ~~Non-sensitive~~
- Sensitive
- Both

1.14.4. **IRB Approval Number**

If you are requesting access to the sensitive dataset only, please provide your IRB approval number:

1.14.5. **IRB Approval Letter and Protocol (Sensitive Data Requests Only)**

Only if you are requesting access to the sensitive dataset: please provide your IRB name, approval number, and link to IRB website

You may attach up to 5 file(s) to this question. Files cannot total over 5GB in size.

Uploaded files will automatically be archived in this registration. They will also be added to a related project that will be created for this registration.

1.15.

1.16. **Data Request Agreements**

1.16.1. **Instructions**

By submitting this preregistration and requesting access to the specific Global Flourishing Study dataset(s) indicated above, I agree to the following:

- ~~I confirm that all listed collaborators who will have access to the data have IRB approval to do so.~~
- ~~All data that are provided to me are for my use only. I will keep these data private from other researchers, except those added as contributors on this preregistration form (until these data are publicly available on the Open Science Framework).~~
- ~~I will use these data to test for my preregistered hypotheses only (until these data are publicly available on the Open Science Framework). I will return to the Open Science Framework and preregister any additional hypotheses.~~
- ~~In order to request future waves of data, I will be required to report certain outcomes from my previous data use including, but not limited to: derived data, analysis code, DOI links to publications, links to preprints.~~
- ~~Except when not possible, I will post preprints to the appropriate or relevant preprint server (e.g., SocArXiv, medRxiv, biorxiv, and PsyArXiv).~~