Supplementary Table 1

*Untransformed values of the separate policies.*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Countries  | GBD coverage | Number of CAMHS per 100000 young people  | Number of CAMH psychiatrists per 100000 young people | Number of CAMH psychologists per 100000 young people | OECD % of GDP spent on family benefits in 2013, 2012, or 2011  | % of GDP spent on education in 2011/2010  |
| Austria | 0 | 0.7 | 6.0 | - | 2.61 | 5.8 |
| Belgium | 1 | 2.4 | 11.1 | - | 3.33 | 6.55 |
| Bulgaria | 0 | 0.5 | 1.9 | 1.7 | 1.45\* | 3.82 |
| Croatia | 0 | 1.3 | 6.3 | 3.1 | 0.96\* | 4.21 |
| Czech Republic | 0 | 0.8 | 6.8 | 4.4 | 3.14 | 4.51 |
| Denmark | 1 | 1.1 | 10.3 | 22.4 | 3.66 | 8.75 |
| Estonia | 1 | 2.1 | 16.8 | 25.2 | 2.13 | 5.16 |
| Finland | 6 | 12.9 | 36.0 | 36.9 | 3.21 | 6.76 |
| France | 5 | 3.0 | 9.1 | - | 3.65 | 5.68 |
| Germany | 4 | 4.1 | 8.0 | 32.9 | 3.03 | 4.98 |
| Greece | 1 | 2.4 | 16.3 | - | 1.27\* | 4.09 |
| Hungary | 1 | 3.1 | 3.4 | 8.4 | 3.57 | 4.71 |
| Iceland | 1 | - | - | - | 3.63 | 7.36 |
| Ireland | 2 | 5.2 | 5.2 | 5.1 | 3.40 | 6.15 |
| Italy | 4 | 2.1 | 20.0 | - | 1.97 | 4.29 |
| Latvia | 1 | 5.3 | 11.2 | - | 1.48\* | 4.96 |
| Lithuania | 0 | 0.9 | 14.0 | 21.0 | 2.13\* | 5.17 |
| Luxembourg | 0 | 1.9 | 21.4 | 65.3 | 3.61 | 3.15 |
| Malta | 0 | 3.0 | 3.0 | - | 1.24\* | 7.96 |
| Netherlands | 5 | 3.2 | 10.7 | - | 1.81 | 5.93 |
| Norway | 5 | - | - | - | 3.13 | 6.66 |
| Poland | 0 | 2.5 | 3.5 | - | 1.61 | 4.94 |
| Portugal | 1 | 1.8 | 5.4 | 4.7 | 1.43 | 5.27 |
| Romania | 0 | - | 3.1 | - | 1.63\* | 3.07 |
| Slovakia | 0 | 3.6 | 3.6 | 2.7 | 2.06 | 4.06 |
| Slovenia | 0 | 9.7 | 6.0 | 15.4 | 1.96 | 5.68 |
| Spain | 4 | 2.4 | - | - | 1.46 | 4.82 |
| Sweden | 2 | 1.0 | 23.4 | 104.2 | 3.64 | 6.82 |
| Switzerland | 2 | - | - | - | 2.03 | 5.28 |
| UK | 6 | 7.0 | 4.5 | - | 3.95 | 5.98 |

*Note.* Values with an asterisk were derived from the World Social Protection Report.

Supplementary Table 2

*Results of linear multilevel regression analyses of fighting separately*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fixed effects |  | Model 1 AIC = 465348 | Model 2 AIC = 420961 | Model 3 AIC = 420953 | Model 3 sub AIC = 373715 | Model 4 AIC = 391276 | Model 4 sub AIC = 367636 |
|  |  |  | B | S.E. | B | S.E. | B | S.E. | B | S.E. | B | S.E. | B | S.E. |
| Constant |  |  | 0.007 | 0.019 | -0.357\*\* | 0.019 | -0.356\*\* | 0.017 | -0.342\*\* | 0.015 | -0.016 | 0.158 | -0.018 | 0.129 |
| Age |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  11 |  |  |  |  | 0.181\*\* | 0.006 | 0.181\*\* | 0.006 | 0.173\*\* | 0.006 | 0.177\*\* | 0.006 | 0.174\*\* | 0.006 |
|  13 |  |  |  |  | 0.119\*\* | 0.006 | 0.119\*\* | 0.006 | 0.115\*\* | 0.006 | 0.112\*\* | 0.006 | 0.114\*\* | 0.006 |
|  15 (ref) |  |  |  |  | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| Gender |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  Boy  |  |  |  |  | 0.523\*\* | 0.005 | 0.523\*\* | 0.005 | 0.530\*\* | 0.005 | 0.529\*\* | 0.005 | 0.531\*\* | 0.005 |
|  Girl (ref) |  |  |  |  | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| SES |  |  |  |  | 0.003 | 0.008 | 0.003 | 0.008 | 0.003 | 0.009 | 0.006 | 0.009 | 0.003 | 0.009 |
| Policy |  |  |  |  |  |  | -0.074\* | 0.022 |  |  | -0.072\* | 0.024 |  |  |
| Monitoring |  |  |  |  |  |  | -0.028 | 0.015 |  |  | -0.022 | 0.014 |
| Facilities |  |  |  |  |  |  |  |  | -0.059\* | 0.015 |  |  | -0.057\*\* | 0.013 |
| GDP family benefits |  |  |  |  |  |  |  | 0.031 | 0.016 |  |  | 0.040 | 0.016 |
| GDP education |  |  |  |  |  |  |  | -0.015 | 0.015 |  |  | -0.031 | 0.017 |
| Adult violence |  |  |  |  |  |  |  |  |  | -0.000 | 0.014 | 0.003 | 0.012 |
| Adult well-being |  |  |  |  |  |  |  |  |  | -0.002 | 0.002 | -0.003 | 0.002 |
| Income inequality |  |  |  |  |  |  |  |  | -0.010 | 0.004 | -0.009 | 0.004 |
| Variance components |  |  |  |  |  |  |  |  |  |  |  |  |
|  Level 1 (child) variance | 0.989\*\* | 0.003 | 0.895\*\* | 0.003 | 0.895\*\* | 0.003 | 0.918\*\* | 0.004 | 0.905\*\* | 0.003 | 0.916\*\* | 0.004 |
|  Level 2 (country) variance | 0.011\*\* | 0.003 | 0.010\*\* | 0.003 | 0.007\*\* | 0.002 | 0.005\*\* | 0.001 | 0.006\*\* | 0.002 | 0.003\*\* | 0.001 |

*Note. N individual* = 172829; *N countries* = 30; \* *p* < .01; \*\* *p* < .001

Supplementary Table 3

*Results of linear multilevel regression analyses of bullying separately*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fixed effects |  | Model 1 AIC = 461611 | Model 2 AIC = 420063 | Model 3 AIC = 420056 | Model 3 sub AIC = 375808 | Model 4 AIC = 395786 | Model 4 sub AIC = 371086 |
|  |  |  | B | S.E. | B | S.E. | B | S.E. | B | S.E. | B | S.E. | B | S.E. |
| Constant |  |  | 0.024 | 0.048 | -0.084 | 0.049 | -0.082 | 0.042 | -0.077 | 0.043 | -0.707 | 0.336 | -0.631 | 0.337 |
| Age |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  11 |  |  |  |  | -0.080\*\* | 0.006 | -0.080\*\* | 0.006 | -0.081\*\* | 0.007 | -0.080\*\* | 0.006 | -0.080\*\* | 0.007 |
|  13 |  |  |  |  | 0.016\* | 0.006 | 0.016\* | 0.006 | 0.027\*\* | 0.006 | 0.021\*\* | 0.006 | 0.027\*\* | 0.006 |
|  15 (ref) |  |  |  |  | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| Gender |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  Boy  |  |  |  |  | 0.244\*\* | 0.005 | 0.244\*\* | 0.005 | 0.251\*\* | 0.005 | 0.256\*\* | 0.005 | 0.251\*\* | 0.005 |
|  Girl (ref) |  |  |  |  | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| SES |  |  |  |  | 0.006 | 0.008 | 0.006 | 0.008 | 0.000 | 0.009 | 0.009 | 0.009 | 0.001 | 0.009 |
| Policy |  |  |  |  |  |  | -0.194\* | 0.059 |  |  | -0.213\*\* | 0.052 |  |  |
| Monitoring |  |  |  |  |  |  | -0.108 | 0.048 |  |  | -0.071 | 0.036 |
| Facilities |  |  |  |  |  |  |  |  | 0.015 | 0.048 |  |  | -0.011 | 0.034 |
| GDP family benefits |  |  |  |  |  |  |  | -0.013 | 0.051 |  |  | -0.045 | 0.043 |
| GDP education |  |  |  |  |  |  |  | -0.088 | 0.046 |  |  | -0.111 | 0.043 |
| Adult violence |  |  |  |  |  |  |  |  |  | 0.150\*\* | 0.031 | 0.154\*\* | 0.032 |
| Adult well-being |  |  |  |  |  |  |  |  |  | 0.012 | 0.005 | 0.015 | 0.006 |
| Income inequality |  |  |  |  |  |  |  |  | 0.005 | 0.009 | 0.001 | 0.010 |
| Variance components |  |  |  |  |  |  |  |  |  |  |  |  |
|  Level 1 (child) variance | 0.929\*\* | 0.003 | 0.898\*\* | 0.003 | 0.898\*\* | 0.003 | 0.0942\*\* | 0.004 | 0.942\*\* | 0.004 | 0.949\*\* | 0.004 |
|  Level 2 (country) variance | 0.070\*\* | 0.018 | 0.070\*\* | 0.018 | 0.052\*\* | 0.013 | 0.047\*\* | 0.013 | 0.026\*\* | 0.007 | 0.024\*\* | 0.007 |

*Note. N individual* = 172829; *N countries* = 30; \* *p* < .01; \*\* *p* < .001