

Supplementary Table 1. Country-wise age- and sex-adjusted prevalence of reporting physical attacks, feeling lonely, parental monitoring, and kind/helpful peers (N=109,408). GSHS, 2005-2015.

Income level ^a	Country	Victimization by physical attacks % (95%CI) ^{b,e}	Feeling of loneliness % (95%CI) ^{b,f}	Parental knowledge/warmth % (95%CI) ^{b,g}	Perceived peer kindness/helpfulness % (95%CI) ^{b,h}
LIC	Bangladesh	56.5 (43.0, 70.0)	10.0 (3.4, 16.7)	68.8 (63.2, 74.3)	51.3 (44.2, 58.5)
	Benin	18.7 (15.8, 21.6)	7.0 (4.0, 10.1)	33.8 (30.7, 36.8)	21.5 (18.6, 24.4)
	Myanmar	25.9 (17.1, 34.8)	2.7 (1.4, 4.0)	19.6 (14.2, 25.1)	23.8 (17.8, 30.0)
LMIC	Bolivia	27.4 (24.3, 30.4)	6.7 (4.6, 8.8)	38.9 (35.7, 42.1)	29.3 (25.4, 33.3)
	Djibouti	31.0 (26.4, 35.5)	7.9 (4.4, 11.3)	29.1 (24.3, 34.0)	11.6 (7.6, 15.5)
	Guyana	36.1 (25.0, 47.1)	12.4 (4.9, 19.8)	50.3 (39.5, 61.1)	26.1 (20.3, 32.0)
	Honduras	19.0 (15.1, 22.9)	8.3 (6.0, 10.5)	58.0 (54.5, 61.5)	34.7 (31.9, 37.6)
	Indonesia	29.3 (27.0, 31.7)	3.8 (3.0, 4.6)	41.2 (38.9, 43.5)	29.2 (26.9, 31.6)
	Kiribati	9.9 (4.2, 15.5)	4.8 (1.9, 7.6)	23.3 (18.2, 28.5)	20.2 (13.7, 26.6)
	Mauritania	34.2 (27.7, 40.7)	10.6 (6.3, 15.0)	31.5 (26.7, 36.2)	23.2 (17.6, 28.6)
	Mongolia	21.2 (19.3, 23.1)	8.6 (7.1, 10.2)	41.3 (39.5, 43.2)	17.5 (15.7, 19.3)
	Morocco	19.8 (15.7, 23.8)	11.4 (8.2, 14.5)	44.4 (40.3, 48.4)	28.3 (24.1, 32.6)
	Pakistan	31.1 (23.4, 38.7)	7.5 (5.5, 9.5)	64.3 (58.2, 70.4)	38.4 (33.7, 43.0)
	Philippines	24.3 (18.4, 30.2)	9.3 (7.2, 11.5)	33.1 (26.5, 39.7)	22.3 (16.6, 27.9)
	Solomon Islands	34.1 (26.7, 41.5)	8.6 (5.2, 12.0)	30.8 (24.8, 36.9)	20.7 (16.1, 25.2)
	Thailand	36.1 (29.9, 42.3)	5.6 (4.2, 7.1)	40.2 (35.8, 44.7)	23.5 (18.6, 28.5)
	Tonga	39.5 (34.0, 45.1)	12.2 (9.1, 15.3)	36.2 (30.5, 42.0)	32.5 (26.4, 38.5)
	West Bank and Gaza	47.3 (43.5, 51.0)	12.4 (10.3, 14.5)	15.7 (12.3, 19.2)	20.6 (15.3, 26.0)
UMIC	Argentina	21.9 (19.2, 24.7)	5.8 (4.8, 6.7)	57.6 (54.4, 60.8)	36.7 (34.0, 39.4)

	Botswana	33.7 (27.8, 39.6)	8.0 (4.9, 11.0)	29.4 (22.9, 35.9)	19.9 (12.6, 27.2)
	Cook Islands	20.7 (12.7, 28.6)	4.6 (1.9, 7.4)	23.5 (13.4, 33.6)	21.7 (11.5, 31.8)
	Iraq	25.5 (21.7, 29.4)	10.2 (8.0, 12.3)	46.3 (39.3, 53.4)	32.8 (26.0, 39.6)
	Jamaica	28.3 (18.9, 37.7)	10.6 (3.7, 17.6)	36.4 (23.9, 48.9)	19.8 (11.5, 28.1)
	Jordan	29.3 (23.2, 35.5)	11.7 (6.9, 16.4)	40.9 (34.6, 47.2)	25.7 (19.6, 31.8)
	Malaysia	20.7 (17.8, 23.5)	3.4 (2.3, 4.5)	36.4 (33.6, 39.1)	24.9 (22.1, 27.7)
	Maldives	22.0 (17.8, 26.3)	9.0 (6.5, 11.4)	35.7 (29.7, 41.6)	33.5 (29.4, 37.6)
	Namibia	16.5 (12.5, 20.6)	3.7 (2.6, 4.8)	22.6 (20.3, 24.8)	10.7 (6.9, 14.5)
	Peru	32.8 (26.9, 38.8)	7.1 (4.2, 10.0)	45.6 (40.3, 50.9)	36.7 (30.2, 43.1)
	St Lucia	32.0 (26.4, 37.7)	10.2 (7.8, 12.6)	34.4 (31.3, 37.5)	28.8 (25.4, 32.2)
	Suriname	15.6 (12.5, 18.8)	8.3 (5.1, 11.5)	41.3 (37.5, 45.1)	31.5 (27.7, 35.3)
	Tunisia	41.9 (39.2, 44.7)	13.3 (11.2, 15.4)	40.2 (37.3, 43.1)	34.2 (31.3, 37.0)
HIC	The Bahamas	24.5 (20.6, 28.4)	9.0 (6.5, 11.6)	62.5 (58.4, 66.7)	26.9 (20.3, 33.5)
	Barbados	23.7 (19.2, 28.2)	10.5 (7.3, 13.8)	54.1 (48.6, 59.6)	15.9 (11.5, 20.2)
	Brunei Darussalam	23.8 (20.3, 27.2)	7.2 (5.0, 9.3)	40.0 (36.5, 43.4)	38.1 (34.4, 41.9)
	Kuwait	19.7 (16.5, 23.0)	8.1 (7.0, 9.3)	34.0 (31.3, 36.7)	25.4 (23.2, 27.5)
	Trinidad and Tobago	25.0 (21.4, 28.6)	5.8 (4.9, 6.7)	57.9 (54.7, 61.2)	25.7 (21.6, 29.9)
	United Arab Emirates	31.5 (24.8, 38.1)	11.3 (7.0, 15.7)	61.1 (56.3, 65.9)	55.9 (50.7, 61.2)
	Uruguay	16.6 (5.9, 27.2)	2.7 (1.6, 3.9)	68.9 (63.0, 74.7)	61.5 (55.8, 67.1)

^aCountry income level was based on the World Bank classification at the year of the survey in the respective countries. LIC=low income countries; LMIC=lower middle income countries; UMIC=upper middle income countries; HIC=high income countries.

^bEstimates were weighted, sex- and age-adjusted.

^cWere worried about something that they could not sleep at night most of the time or always in the past 12 months.

^dUsed any tobacco products on at least one day in the past 30 days.

^eWere physically attacked at least one time in the past 12 months.

^fFelt lonely most of the time or always in the past 12 months.

^gParents understood their problems and worries, or know what they were doing with their free time most of the time or always in the past 30 days.

^hMost of the students in their school were kind and helpful most of the time or always in the past 30 days.

Supplementary Table 2. Country-wise multivariate logistic regression results for adolescents aged 12-15 (N=109,408). GSHS, 2005-2015.

Country	Age	Gender	Food insecurity	Feeling of loneliness ^a	Victimization by physical attacks ^b	Parental knowledge/warmth ^c	Perceived peer kindness/helpfulness ^d
	AOR (95% CI)	AOR (95% CI)	AOR (95% CI)	AOR (95% CI)	AOR (95% CI)	AOR (95% CI)	AOR (95% CI)
LMICs							
Bangladesh	0.99 (0.68, 1.42)	0.71 (0.34, 1.50)	1.28 (0.68, 2.42)	7.43 (3.99, 13.83)***	1.10 (0.60, 2.01)	0.73 (0.38, 1.43)	0.88 (0.44, 1.76)
Benin	1.12 (0.98, 1.28)	1.24 (0.90, 1.72)	2.00 (0.90, 4.45)	4.04 (2.68, 6.09)***	1.55 (1.17, 2.07)**	1.30 (0.91, 1.87)	1.04 (0.80, 1.36)
Myanmar	1.55 (1.09, 2.19)*	1.03 (0.47, 2.24)	3.87 (0.36, 41.5)	15.6 (7.50, 32.5)***	1.94 (0.81, 4.68)	1.11 (0.38, 3.23)	0.78 (0.26, 2.38)
LMICs							
Bolivia	0.96 (0.82, 1.12)	0.62 (0.43, 0.91)*	2.15 (1.17, 3.94)*	9.90 (7.11, 13.79)***	1.95 (1.37, 2.78)***	0.88 (0.61, 1.28)	0.95 (0.58, 1.53)
Djibouti	1.32 (1.04, 1.68)*	0.72 (0.46, 1.13)	1.87 (1.07, 3.26)*	2.70 (1.63, 4.46)***	1.80 (1.10, 2.94)*	1.41 (0.86, 2.31)	1.08 (0.63, 1.88)
Guyana	0.90 (0.75, 1.09)	0.88 (0.58, 1.35)	0.93 (0.52, 1.64)	4.71 (3.25, 6.82)***	1.49 (1.09, 2.02)*	0.87 (0.57, 1.34)	1.19 (0.83, 1.72)
Honduras	1.21 (0.87, 1.68)	1.04 (0.58, 1.84)	1.56 (0.57, 4.23)	7.00 (2.76, 17.78)***	2.85 (1.67, 4.85)***	1.42 (0.68, 2.98)	1.44 (0.62, 3.32)
Indonesia	1.07 (0.94, 1.20)	0.94 (0.68, 1.29)	1.79 (1.20, 2.66)**	8.09 (5.46, 12.00)***	1.64 (1.25, 2.15)***	1.01 (0.76, 1.35)	1.15 (0.91, 1.45)
Kiribati	1.15 (0.87, 1.53)	1.00 (0.69, 1.44)	1.40 (0.76, 2.58)	3.68 (1.88, 7.18)***	2.64 (1.60, 4.36)***	1.75 (1.09, 2.82)*	1.19 (0.65, 2.20)
Mauritania	0.97 (0.70, 1.34)	0.88 (0.51, 1.51)	1.65 (1.04, 2.61)*	7.20 (4.22, 12.29)***	1.29 (0.78, 2.14)	1.42 (0.78, 2.58)	0.59 (0.39, 0.88)**
Mongolia	1.13 (0.96, 1.33)	1.20 (0.88, 1.64)	3.93 (1.57, 9.85)**	9.39 (6.78, 13.00)***	1.42 (0.93, 2.17)	0.60 (0.42, 0.86)**	1.12 (0.77, 1.62)
Morocco	1.03 (0.91, 1.17)	0.54 (0.38, 0.77)**	1.85 (1.27, 2.71)**	6.45 (4.49, 9.22)***	1.50 (1.15, 1.95)**	1.04 (0.80, 1.34)	1.01 (0.75, 1.36)
Pakistan	1.21 (1.06, 1.38)**	0.82 (0.57, 1.17)	2.64 (1.73, 4.02)***	7.84 (5.82, 10.56)***	1.39 (1.02, 1.89)*	0.90 (0.64, 1.25)	1.06 (0.80, 1.42)
Philippines	1.01 (0.84, 1.20)	0.78 (0.58, 1.03)	1.88 (1.05, 3.36)*	4.18 (3.16, 5.52)***	1.49 (1.20, 1.84)***	1.10 (0.82, 1.49)	1.38 (1.09, 1.75)**
Solomon Islands	0.93 (0.66, 1.29)	0.85 (0.50, 1.43)	1.81 (0.90, 3.62)	3.16 (1.43, 6.96)**	2.28 (1.26, 4.15)**	1.06 (0.52, 2.15)	0.75 (0.45, 1.24)
Thailand	1.00 (0.86, 1.17)	0.64 (0.41, 1.01)	2.69 (1.43, 5.06)**	9.68 (5.96, 15.73)***	2.00 (1.18, 3.38)*	1.45 (1.09, 1.92)*	0.84 (0.54, 1.29)
Tonga	1.25 (1.02, 1.53)*	0.82 (0.61, 1.08)	1.74 (1.12, 2.71)*	5.25 (3.96, 6.95)***	1.03 (0.74, 1.42)	1.08 (0.80, 1.46)	0.95 (0.70, 1.29)
West Bank and Gaza ^c	1.07 (0.96, 1.20)	0.45 (0.36, 0.55)***	1.95 (1.50, 2.54)***	4.28 (3.34, 5.49)***	1.51 (1.18, 1.92)**	0.87 (0.68, 1.10)	1.04 (0.84, 1.28)
UMICs							
Argentina	1.05 (0.91, 1.21)	0.44 (0.36, 0.54)***	1.08 (0.67, 1.76)	6.37 (4.85, 8.38)***	2.41 (1.75, 3.31)***	0.70 (0.55, 0.88)**	1.09 (0.88, 1.35)
Botswana	1.14 (0.87, 1.49)	0.95 (0.72, 1.27)	1.80 (1.10, 2.96)*	2.21 (1.40, 3.47)**	1.60 (1.18, 2.16)**	1.37 (1.05, 1.78)*	1.22 (0.82, 1.81)
Cook Islands	1.29 (0.63, 2.65)	0.50 (0.24, 1.04)	0.51 (0.08, 3.24)	5.28 (2.07, 13.48)**	1.35 (0.72, 2.55)	0.84 (0.45, 1.55)	1.26 (0.52, 3.06)
Iraq	1.11 (0.93, 1.31)	0.34 (0.22, 0.54)***	2.74 (1.42, 5.29)**	8.10 (4.90, 13.37)***	1.20 (0.72, 2.02)	0.83 (0.54, 1.25)	0.81 (0.53, 1.22)
Jamaica	0.87 (0.71, 1.07)	0.47 (0.27, 0.80)**	1.72 (1.38, 2.14)***	4.71 (3.14, 7.08)***	1.13 (0.77, 1.66)	0.67 (0.44, 1.03)	1.88 (1.38, 2.57)***

Jordan	1.00 (0.83, 1.21)	0.38 (0.26, 0.56)***	1.71 (1.07, 2.73)*	5.45 (3.39, 8.78)***	1.24 (0.80, 1.92)	1.11 (0.81, 1.52)	1.25 (0.94, 1.66)
Malaysia	1.12 (1.01, 1.25)*	0.77 (0.60, 0.98)*	1.74 (1.17, 2.59)**	7.38 (5.56, 9.80)***	2.04 (1.62, 2.56)***	0.97 (0.78, 1.19)	1.01 (0.84, 1.21)
Maldives	1.38 (1.11, 1.72)**	0.48 (0.29, 0.77)**	3.10 (1.69, 5.70)***	6.06 (3.94, 9.30)***	1.63 (1.09, 2.46)*	0.64 (0.44, 0.93)*	1.12 (0.73, 1.72)
Namibia	1.16 (0.99, 1.36)	0.83 (0.59, 1.16)	3.35 (2.34, 4.79)***	3.27 (2.33, 4.60)***	1.64 (1.13, 2.39)*	1.02 (0.80, 1.29)	1.28 (0.90, 1.82)
Peru	0.96 (0.82, 1.11)	0.61 (0.45, 0.82)**	1.81 (0.93, 3.50)	5.42 (3.89, 7.55)***	1.40 (0.89, 2.20)	1.09 (0.78, 1.51)	0.65 (0.44, 0.95)*
St Lucia	1.11 (0.88, 1.41)	0.54 (0.29, 1.02)	3.03 (1.34, 6.83)**	5.13 (3.30, 7.98)***	1.15 (0.72, 1.85)	1.03 (0.67, 1.60)	1.08 (0.62, 1.86)
Suriname	1.39 (1.08, 1.79)*	0.65 (0.25, 1.70)	1.16 (0.58, 2.34)	6.42 (3.33, 12.38)***	2.08 (1.42, 3.04)**	0.91 (0.46, 1.78)	0.81 (0.52, 1.27)
Tunisia	1.09 (0.92, 1.28)	0.42 (0.30, 0.59)***	1.74 (1.15, 2.65)*	6.18 (5.34, 7.16)***	1.74 (1.23, 2.47)**	1.10 (0.82, 1.47)	1.12 (0.80, 1.56)
HICs							
The Bahamas	1.21 (0.93, 1.58)	0.50 (0.34, 0.74)**	2.37 (1.19, 4.71)*	3.07 (1.99, 4.74)***	1.67 (1.12, 2.49)*	0.63 (0.40, 0.98)*	1.08 (0.64, 1.82)
Barbados	0.93 (0.73, 1.19)	0.35 (0.22, 0.56)***	2.27 (1.09, 4.73)*	5.23 (3.03, 9.03)***	1.56 (1.02, 2.38)*	0.76 (0.49, 1.19)	0.53 (0.25, 1.09)
Brunei Darussalam	1.25 (1.00, 1.55)*	0.48 (0.32, 0.71)***	1.30 (0.71, 2.38)	4.67 (2.86, 7.64)***	2.11 (1.47, 3.04)**	0.85 (0.58, 1.23)	1.28 (0.75, 2.17)
Kuwait	1.02 (0.85, 1.23)	0.43 (0.33, 0.56)***	1.10 (0.73, 1.66)	5.58 (3.87, 8.07)***	1.56 (1.17, 2.07)**	0.83 (0.63, 1.11)	0.72 (0.48, 1.10)
Trinidad and Tobago	1.45 (1.20, 1.74)***	0.49 (0.31, 0.80)**	4.34 (2.67, 7.05)***	5.26 (3.32, 8.33)***	1.63 (1.00, 2.64)*	0.45 (0.27, 0.77)**	0.86 (0.40, 1.84)
United Arab Emirates	1.09 (0.94, 1.26)	0.48 (0.34, 0.68)***	1.33 (0.73, 2.42)	4.39 (3.17, 6.07)***	1.45 (1.09, 1.93)*	0.72 (0.48, 1.07)	0.97 (0.73, 1.30)
Uruguay	1.24 (0.99, 1.56)	0.39 (0.24, 0.62)***	2.14 (0.61, 7.55)	7.44 (4.18, 13.25)***	2.58 (1.35, 4.94)**	0.70 (0.39, 1.25)	1.12 (0.66, 1.89)
Overall	1.10 (1.06, 1.14)	0.63 (0.56, 0.72)	1.87 (1.67, 2.09)	5.55 (4.95, 6.21)	1.61 (1.52, 1.71)	0.95 (0.87, 1.03)	1.05 (0.97, 1.12)
<i>F</i> (p value)	32.2% (p=0.031)	74.6% (p=0.000)	40.3% (p=0.006)	67.6% (p=0.000)	24.7% (p=0.087)	50.0% (p=0.000)	29.3% (p=0.049)

* $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$

AOR=Adjusted Odds Ratio; CI=Confidence Interval.

^aFelt lonely most of the time or always in the past 12 months.

^bWere physically attacked at least one time in the past 12 months.

^cParents understood their problems and worries, or know what they were doing with their free time most of the time or always in the past 30 days.

^dMost of the students in their school were kind and helpful most of the time or always in the past 30 days.

^eOccupied Palestinian territory.