

**Supplementary Table 1. Associations with WHOQoL scores – regression models run for individual countries**

		Bangladesh	Ghana	Indonesia	India	Kenya	Tanzania	Vietnam	South Africa
Variable		B (95% CI)	B (95% CI)	B (95% CI)	B (95% CI)	B (95% CI)	B (95% CI)	B (95% CI)	B (95% CI)
Intercept		<b>77.89</b> <b>(75.87, 79.91)</b>	<b>78.33</b> <b>(76.37, 80.29)</b>	<b>75.05</b> <b>(74.13, 75.97)</b>	<b>78.46</b> <b>(77.10, 79.83)</b>	<b>79.23</b> <b>(76.85, 81.61)</b>	<b>74.10</b> <b>(72.03, 76.18)</b>	<b>68.25</b> <b>(66.95, 69.55)</b>	<b>71.71</b> <b>(69.27, 74.16)</b>
Age (per year)		-0.03 (-0.06, 0.00)	-0.03 (-0.06, 0.00)	0.01 (0.00, 0.03)	-0.02 (-0.04, 0.00)	-0.02 (-0.06, 0.02)	<b>-0.04</b> <b>(-0.07, -0.01)</b>	<b>0.07</b> <b>(0.05, 0.09)</b>	0.03 (-0.01, 0.06)
Female sex		<b>3.65</b> <b>(0.93, 6.37)</b>	-2.30 (-4.77, 0.16)	<b>-1.38</b> <b>(-2.53, -0.22)</b>	-0.09 (-1.96, 1.78)	0.17 (-3.15, 3.49)	<b>-4.72</b> <b>(-7.18, -2.27)</b>	<b>-3.08</b> <b>(-4.58, -1.57)</b>	0.08 (-2.58, 2.74)
Education	None	<b>-0.82</b> <b>(-1.42, -0.21)</b>	-*	<b>-0.59</b> <b>(-0.92, -0.26)</b>	0.14 (-0.49, 0.77)	<b>-1.25</b> <b>(-2.07, -0.42)</b>	-0.07 (-1.01, 0.88)	<b>-1.53</b> <b>(-2.05, -1.02)</b>	-0.29 (-0.82, 0.26)
	<6 years	-0.34 (-0.96, 0.28)	<b>-1.07</b> <b>(-1.74, -0.39)</b>	-0.17 (-0.45, 0.10)	<b>-0.47</b> <b>(-0.80, -0.13)</b>	-0.65 (-1.33, 0.04)	-0.25 (-1.16, 0.65)	<b>-0.97</b> <b>(-1.27, -0.68)</b>	-0.37 (-0.98, 0.24)
	>=6 years	Referent	Referent	Referent	Referent	Referent	Referent	Referent	Referent
Marital status=2		<b>-6.36</b> <b>(-6.93, -5.79)</b>	-0.35 (-0.76, 0.07)	-0.16 (-0.39, 0.07)	-0.33 (-0.70, 0.04)	<b>-0.87</b> <b>(-1.54, -0.20)</b>	-0.18 (-0.62, 0.25)	<b>-0.68</b> <b>(-1.00, -0.37)</b>	<b>-0.63</b> <b>(-1.06, -0.21)</b>
Living arrangements=1		0.99 (-0.23, 2.20)	-0.44 (-1.30, 0.43)	-0.05 (-0.44, 0.34)	0.55 (-0.41, 1.52)	-0.56 (-1.22, 0.11)	-0.06 (-1.33, 1.22)	0.55 (-0.01, 1.11)	0.66 (-0.22, 1.53)
Socioeconomic status quintiles	1 (lowest)	Referent	Referent	Referent	Referent	Referent	Referent	Referent	Referent
	2	<b>1.02</b> <b>(0.35, 1.69)</b>	0.17 (-0.31, 0.64)	<b>0.63</b> <b>(0.36, 0.90)</b>	0.45 (-0.07, 0.97)	<b>-1.21</b> <b>(-2.00, -0.43)</b>	-0.04 (-0.62, 0.54)	<b>1.57</b> <b>(1.15, 1.99)</b>	0.50 (-0.13, 1.13)
	3	<b>2.29</b> <b>(1.63, 2.96)</b>	<b>0.74</b> <b>(0.26, 1.23)</b>	<b>1.45</b> <b>(1.18, 1.72)</b>	0.46 (-0.02, 0.94)	<b>-0.72</b> <b>(-1.43, -0.01)</b>	-0.42 (-0.99, 0.15)	<b>2.30</b> <b>(1.87, 2.73)</b>	<b>1.46</b> <b>(0.82, 2.09)</b>
	4	<b>2.95</b> <b>(2.31, 3.59)</b>	<b>1.69</b> <b>(1.18, 2.21)</b>	<b>1.69</b> <b>(1.41, 1.97)</b>	<b>0.65</b> <b>(0.15, 1.14)</b>	-0.04 (-0.75, 0.67)	-0.42 (-0.95, 0.10)	<b>2.53</b> <b>(2.10, 2.95)</b>	<b>1.31</b> <b>(0.67, 1.95)</b>
	5 (highest)	<b>4.35</b> <b>(3.70, 4.99)</b>	<b>2.78</b> <b>(1.99, 3.56)</b>	<b>2.63</b> <b>(2.32, 2.93)</b>	<b>0.78</b> <b>(0.30, 1.26)</b>	-0.19 (-0.91, 0.54)	-*	<b>4.08</b> <b>(3.65, 4.51)</b>	<b>2.23</b> <b>(1.61, 2.86)</b>
Family size (per person)		-0.01 (-0.09, 0.07)	<b>-0.05</b> <b>(-0.10, -0.00)</b>	<b>-0.07</b> <b>(-0.12, -0.01)</b>	-0.01 (-0.05, 0.03)	-0.09 (-0.18, 0.00)	-0.02 (-0.05, 0.01)	<b>-0.20</b> <b>(-0.27, -0.13)</b>	<b>-0.06</b> <b>(-0.11, -0.01)</b>
WHODAS-II score		<b>-0.17</b> <b>(-0.18, -0.16)</b>	<b>-0.26</b> <b>(-0.27, -0.25)</b>	<b>-0.16</b> <b>(-0.17, -0.16)</b>	<b>-0.11</b> <b>(-0.12, -0.10)</b>	<b>-0.22</b> <b>(-0.23, -0.20)</b>	<b>-0.16</b> <b>(-0.17, -0.15)</b>	<b>-0.19</b> <b>(-0.19, -0.18)</b>	<b>-0.20</b> <b>(-0.21, -0.19)</b>
Age*sex		<b>-0.05</b> <b>(-0.10, -0.01)</b>	0.03 (-0.01, 0.07)	<b>0.03</b> <b>(0.01, 0.04)</b>	0.01 (-0.03, 0.04)	-0.01 (-0.07, 0.05)	<b>0.08</b> <b>(0.04, 0.12)</b>	<b>0.04</b> <b>(0.02, 0.07)</b>	0.01 (-0.03, 0.05)

B: Unstandardised coefficient

**Bold:** p<0.05

\*no individuals in this category

**Supplementary Table 2. Associations with WHODAS-II scores – regression models run for individual countries**

	Bangladesh	Ghana	Indonesia	India	Kenya	Tanzania	Vietnam	South Africa	
Variable	B (95% CI)	B (95% CI)	B (95% CI)	B (95% CI)	B (95% CI)	B (95% CI)	B (95% CI)	B (95% CI)	
Intercept	<b>-26.33</b> (-35.06, -17.59)	<b>-20.52</b> (-29.80, -11.25)	<b>-24.27</b> (-28.70, -19.85)	6.34 (-0.74, 13.42)	<b>-18.01</b> (-31.95, -4.07)	<b>-18.71</b> (-26.99, -10.44)	<b>-23.54</b> (-30.48, -16.60)	3.75 (-7.47, 14.96)	
Age (per year)	<b>0.81</b> (0.69, 0.94)	<b>0.67</b> (0.51, 0.81)	<b>0.54</b> (0.47, 0.61)	<b>0.23</b> (0.13, 0.34)	<b>0.47</b> (0.23, 0.71)	<b>0.48</b> (0.34, 0.61)	<b>0.69</b> (0.58, 0.79)	<b>0.22</b> (0.05, 0.38)	
Female sex	<b>24.80</b> (7.05, 42.56)	4.21 (-8.45, 16.86)	-5.25 (-11.34, 0.84)	5.32 (-4.77, 15.41)	-8.85 (-35.46, 17.77)	-5.22 (-17.51, 7.08)	-5.40 (-13.73, 2.92)	-10.14 (-22.73, 2.44)	
Marital status=2	0.67 (-3.41, 4.75)	<b>3.06</b> (0.98, 5.15)	<b>2.43</b> (0.93, 3.92)	0.62 (-1.37, 2.61)	3.89 (-0.11, 7.88)	1.69 (-0.42, 3.80)	1.67 (-0.44, 3.78)	1.98 (-0.22, 4.18)	
Living arrangements=1	-6.25 (-15.34, 2.85)	-1.37 (-5.81, 3.07)	-0.89 (-3.45, 1.67)	-2.39 (-7.46, 2.68)	0.24 (-3.20, 3.67)	-3.86 (-8.56, 0.83)	-1.58 (-5.46, 2.29)	-2.15 (-6.60, 2.31)	
Socioeconomic status quintiles	1 (lowest)	Referent	Referent	Referent	Referent	Referent	Referent	Referent	
	2	-1.36 (-4.81, 2.10)	0.96 (-1.29, 3.21)	-0.83 (-2.30, 0.64)	1.95 (-0.80, 4.70)	-1.41 (-5.65, 2.82)	-1.28 (-3.52, 0.96)	-1.31 (-4.03, 1.41)	0.33 (-2.85, 3.52)
	3	-1.60 (-4.98, 1.80)	1.77 (-0.59, 4.13)	-1.30 (-2.72, 0.12)	0.74 (-1.79, 3.26)	-1.03 (-4.64, 2.57)	-0.30 (-2.72, 2.11)	-2.23 (-4.91, 0.45)	0.71 (-2.48, 3.90)
	4	-2.18 (-5.37, 1.02)	0.61 (-1.83, 3.05)	-1.35 (-2.75, 0.04)	0.09 (-2.46, 2.64)	-0.39 (-4.14, 3.37)	1.09 (-1.18, 3.36)	-2.37 (-5.01, 0.27)	1.64 (-1.61, 4.89)
	5 (highest)	<b>-3.95</b> (-7.04, -0.86)	0.08 (-3.68, 3.85)	-1.34 (-2.72, 0.05)	-0.48 (-2.95, 1.98)	-0.46 (-4.07, 3.16)	-	<b>-3.69</b> (-6.30, -1.08)	-0.13 (-3.15, 2.90)
Family size (per person)	0.00 (-0.40, 0.41)	0.03 (-0.19, 0.26)	0.20 (-0.08, 0.47)	-0.02 (-0.23, 0.19)	0.33 (-0.17, 0.83)	0.03 (-0.13, 0.19)	-0.16 (-0.53, 0.21)	-0.06 (-0.32, 0.20)	
Age*sex	-0.06 (-0.36, 0.25)	0.00 (-0.21, 0.22)	<b>0.13</b> (0.02, 0.23)	-0.04 (-0.20, 0.13)	0.23 (-0.25, 0.70)	0.15 (-0.06, 0.37)	0.14 (0.00, 0.29)	<b>0.21</b> (0.01, 0.41)	

B: Unstandardised coefficient

**Bold:** p<0.05

**Supplementary Table 3. Alternative WHOQOL analyses using individual health status components**

Variable		B (SE)	P
Age (per year)		0.025 (0.017)	0.14
Country of residence			
- Bangladesh		6.680 (1.374)	<0.001
- Ghana		9.383 (1.412)	<0.001
- Indonesia		4.978 (1.201)	<0.001
- India		5.167 (1.350)	<0.001
- Kenya		5.262 91.604)	0.001
- Tanzania		2.819 (1.349)	0.04
- Vietnam		0.661 (1.258)	0.60
- South Africa		Referent	-
Female sex		1.928 (1.263)	0.13
Education	None	-1.069 (0.098)	<0.001
	<6 years	-0.592 (0.079)	<0.001
	>=6 years	Referent	-
Marital status		-0.953 (0.069)	<0.001
Living arrangements		0.470 (0.123)	<0.001
Socioeconomic status	1 (lowest)	Referent	-
	2	0.430 (0.086)	<0.001
	3	0.942 (0.085)	<0.001
	4	1.192 (0.084)	<0.001
	5 (highest)	2.142 (0.092)	<0.001
Family size		-0.039 (0.009)	<0.001
Depressive symptoms		-0.674 (0.042)	<0.001
Anxiety symptoms		-0.804 (0.040)	<0.001
Bodily pain		-0.497 (0.044)	<0.001
Discomfort		-0.891 (0.046)	<0.001
Problems concentrating		-0.420 (0.036)	<0.001
Problems learning a new task		-0.347 (0.032)	<0.001
Problems far vision		-0.443 (0.033)	<0.001
Problems near vision		-0.412 (0.034)	<0.001
<i>Age, sex &amp; country interactions</i>			

	Age*country		Sex*country		Age*sex*country	
	B (SE)	p	B (SE)	p	B (SE)	p
- Bangladesh	-0.117 (0.021)	<0.001	6.401 (1.751)	<0.001	-0.166 (0.019)	<0.001
- Ghana	-0.158 (0.022)	<0.001	-5.033 (1.729)	0.004	0.041 (0.019)	0.03
- Indonesia	-0.029 (0.019)	0.11	-1.890 (1.434)	0.19	0.007 (0.011)	0.51
- India	-0.014 (0.021)	0.50	-1.525 (1.704)	0.37	0.005 (0.018)	0.79
- Kenya	-0.063 (0.026)	0.02	-0.233 (2.182)	0.92	-0.038 (0.030)	0.20
- Tanzania	-0.072 (0.021)	0.001	-5.340 (1.644)	0.001	0.063 (0.017)	<0.001
- Vietnam	-0.036 (0.019)	0.07	-3.040 (1.478)	0.04	0.018 (0.012)	0.14
- South Africa	Referent	-	Referent	-	-0.016 (0.020)	0.42

B: Unstandardised coefficient. SE: Standard error

N=43622. Data on one or more health status measures missing for 313 individuals

**Supplementary Table 4. Alternative WHOQOL analyses using integrated health status measure**

Variable		B (SE)		P		
Age (per year)		0.019 (0.017)		0.27		
Country of residence						
- Bangladesh		7.199 (1.412)		<0.001		
- Ghana		9.535 (1.455)		<0.001		
- Indonesia		2.707 (1.235)		0.03		
- India		4.839 (1.390)		0.001		
- Kenya		3.680 (1.655)		0.03		
- Tanzania		1.702 (1.387)		0.22		
- Vietnam		-0.547 (1.295)		0.67		
- South Africa		Referent		-		
Female sex		1.754 (1.296)		0.18		
Education	None	-1.132 (0.101)		<0.001		
	<6 years	-0.578 (0.082)		<0.001		
	>=6 years	Referent		-		
Marital status		-0.929 (0.071)		<0.001		
Living arrangements		0.325 (0.127)		0.01		
Socioeconomic status	1 (lowest)	Referent		-		
	2	0.461 (0.089)		<0.001		
	3	0.947 (0.088)		<0.001		
	4	1.235 (0.087)		<0.001		
	5 (highest)	2.225 (0.095)		<0.001		
Family size		-0.036 (0.009)		<0.001		
Health status score		0.263 (0.003)		<0.001		
<i>Age*sex*country interactions</i>						
	Age*country		Sex*country		Age*sex*country	
	B (SE)	p	B (SE)	p	B (SE)	p
- Bangladesh	-0.130 (0.022)	<0.001	4.982 (1.799)	0.006	-0.166 (0.020)	<0.001
- Ghana	-0.150 (0.023)	<0.001	-4.149 (1.782)	0.02	0.027 (0.019)	0.16
- Indonesia	0.009 (0.019)	0.65	-1.518 (1.473)	0.30	0.007 (0.011)	0.53
- India	-0.002 (0.022)	0.92	-1.046 (1.756)	0.55	0.001 (0.019)	0.95
- Kenya	-0.038 (0.027)	0.16	1.079 (2.253)	0.63	-0.057 (0.031)	0.07

- Tanzania	-0.055 (0.022)	0.01	-5.483 (1.688)	0.001	0.072 (0.017)	<0.001
- Vietnam	-0.011 (0.020)	0.60	-2.122 (1.520)	0.16	0.003 (0.012)	0.80
- South Africa	Referent	-	Referent	-	-0.016 (0.020)	0.41

B: Unstandardised coefficient. SE: Standard error