

Supplementary Table 1: External validation using life expectancies predicted from the model and life expectancies from the 2015 Ghana lifetables

Age (years)	Females		Males	
	2015 Lifetable Life Expectancies	Model Predicted Life Expectancies Average (95% CI)	2015 Lifetable Life Expectancy	Model Predicted Life Expectancies Average (95% CI)
25-29	44.9	42.2 (41.9-43.0)	43.3	40.6 (40.4-41.4)
30-34	40.6	39.5 (39.2-40.2)	38.9	37.6 (37.4-38.4)
35-39	36.4	36.1 (35.8-36.8)	34.5	34.0 (33.7-34.6)
40-44	32.3	32.2 (32.0-32.8)	30.3	29.9 (29.7-30.5)
45-49	28.2	28.2 (27.9-28.7)	26.3	26.0 (25.8-26.5)
50-54	24.2	24.1 (23.9-24.5)	22.5	22.1 (21.9-22.6)
55-59	20.1	20.0 (19.8-20.4)	18.7	18.4 (18.2-18.7)
60-64	16.2	15.9 (15.8-16.3)	15.1	14.8 (14.6-15.1)
65-69	12.7	12.4 (12.3-12.6)	11.9	11.5 (11.3-11.7)
70-74	9.5	9.1 (9.0-9.3)	9.0	8.6 (8.5-8.8)
75-79	7.0	6.6 (6.5-6.7)	6.6	6.2 (6.1-6.3)
80-84	5.0	4.6 (4.5-4.7)	4.8	4.3 (4.2-4.4)
85-89	3.7	3.2 (3.1-3.2)	3.5	3.1 (3.0-3.2)
R²	0.998		0.999	

CI means confidence intervals; R² means the squared linear correlation coefficient.