

Table S1 and Table S2

Table S1: Results of analysis of high literacy outcome from HALI motivating data set using five different GEE methods (with robust SE)

Method	Exchangeable				Independent			
	Estimated	SE	Confidence Interval	p-value	Estimated	SE	Confidence Interval	p-value
CRA-GEE	1.82	0.19	(1.26, 2.65)	0.002	1.84	0.19	(1.27, 2.66)	0.001
A-CRA-GEE	1.93	0.17	(1.38, 2.71)	<0.001	1.92	0.17	(1.37, 2.68)	<0.001
W-GEE	1.80	0.19	(1.23, 2.62)	0.002	1.81	0.19	(1.24, 2.63)	0.002
CW-GEE	1.83	0.19	(1.26, 2.65)	0.001	1.83	0.19	(1.26, 2.65)	0.002
MMI-GEE	1.81	0.19	(1.25, 2.63)	0.002	1.79	0.19	(1.23, 2.60)	0.002

Table S2: Predictors of outcome (high literacy) and of missingness (of high literacy outcome) from HALI motivating data set

	Estimate	Std.Error	Pr(> z)	Estimate	Std.Error	Pr(> z)
Intercept	-3.61	0.38	<0.001	-1.51	0.39	<0.001
Intervention	0.75	0.19	<0.001	0.09	0.15	0.538
Baseline literacy score	0.35	0.02	<0.001	-0.03	0.01	0.105
Age	0.06	0.04	0.094	-0.02	0.04	0.544
Sex (Female)	-0.04	0.11	0.733	-0.00	0.13	0.991
HH education			0.002			0.021
Primary	0.13	0.13		-0.34	0.15	
Secondary	0.61	0.22		-0.17	0.24	
College/degree	1.16	0.38		0.46	0.32	
SES household			0.357			0.920
Poor	-0.04	0.17		0.04	0.19	
Median Poor	-0.14	0.17		-0.02	0.20	
Less Poor	-0.08	0.18		-0.10	0.21	
Least Poor	0.24	0.20		-0.15	0.22	