

Supplemental Table 1a: Demographic and Socioeconomic Characteristics, 2008 to 2015 (continuous variables)

Medians' Comparison, Kruskal Wallis –test								
Variable	Year	N	Missing	Mean (min, max)	Std	Median (25 th , 75 th)	Baseline2008 Chi2 (Adj p-val)	Overall 2008 to 2015 Chi2, (p-val)
Household Size	2008	175	207	5.5 (2, 16)	2.858	5 (3, 6)	Ref	55.151 (0.000)
	2009	341	0	5.6 (1, 20)	2.625	5 (4, 7)	1.732 (1.000)	
	2010	400	0	5.2 (1, 20)	2.397	5 (4, 6)	0.200 (1.000)	
	2011	1071	4	5.5 (1, 22)	2.885	5 (4, 7)	0.672 (1.000)	
	2012	1144	11	5.6 (1, 45)	3.120	5 (4, 7)	0.438 (1.000)	
	2013	1080	7	5.4 (1, 23)	2.655	5 (4, 7)	0.656 (1.000)	
	2014	1199	0	4.8 (1, 18)	2.059	4 (3, 6)	4.580 (0.906)	
	2015	1186	5	5.4 (1, 22)	2.834	5 (3, 6)	0.082 (1.000)	
Age	2008	379	3	30.6 (11, 80)	9.727	29 (24, 36)	Ref	25.168 (0.001)
	2009	341	0	30.1 (15, 107)	10.724	28 (22, 35)	2.05 (1.000)	
	2010	399	1	28.6 (14, 58)	7.377	28 (23, 33)	6.34 (0.331)	
	2011	1052	23	29.8 (13, 66)	9.177	28 (23, 35)	3.34 (1.000)	
	2012	1142	13	30.6 (14, 77)	10.007	29 (23, 36)	0.21 (1.000)	
	2013	1083	4	29.8 (14, 62)	9.089	28 (23, 35)	2.01 (1.000)	
	2014	1199	0	30.7 (12, 76)	9.272	29 (24, 35)	0.20 (1.000)	
	2015	1185	6	30.8 (15, 75)	9.670	29 (24, 35)	0.02 (1.000)	
Completed grade level for women who attend any school	2008	191	5	7.5 (1, 17)	3.262	8 (5, 9)	Ref	67.23 (0.000)
	2009	122	9	7.2 (1, 19)	3.454	7 (5, 9)	1.210 (1.000)	
	2010	159	0	6.2 (1, 17)	2.811	6 (4, 8)	13.279 (0.008)	
	2011	498	12	6.5 (1, 16)	3.098	6 (4, 9)	15.047 (0.003)	
	2012	500	21	7.3 (1, 22)	3.407	7 (5, 10)	0.736 (1.000)	
	2013	562	20	7.4 (1, 21)	3.542	7 (5, 9)	1.071 (1.000)	
	2014	651	9	7.9 (1, 23)	3.571	8 (5, 10)	0.748 (1.000)	
	2015	637	5	7.6 (1, 23)	3.453	7 (5, 9)	0.0007 (1.000)	

Supplemental Table 1b: Demographic and Socioeconomic Characteristics, 2008 to 2015 (categorical variables)

Proportions' Comparison, Pearson
Chi Square –test

Variable	Year	N	Missing	Count	Percent	Ref. 2008 Chi2 (p-val)	Overall 2008 to 2015 Chi2, (p-val)
Attend any school	2008	382	0	196	51.13	Ref	71.91 (0.000)
	2009	341	3	131	38.60	11.4 (0.001)	
	2010	400	0	159	39.75	10.53 (0.001)	
	2011	1075	6	510	47.4	1.46 (0.227)	
	2012	1155	7	521	45.4	4.04 (0.044)	
	2013	1087	2	582	53.6	0.62 (0.432)	
	2014	1199	0	660	55.0	1.63 (0.202)	
	2015	1191	3	642	54.0	0.87 (0.352)	
Married	2008	382	2	345	90.8	Ref	42.03 (0.000)
	2009	341	1	305	89.7	0.24 (0.624)	
	2010	400	1	372	93.2	1.59 (0.208)	
	2011	1075	3	955	89.1	0.87 (0.351)	
	2012	1155	3	1039	90.2	0.12 (0.732)	
	2013	1087	2	1004	92.5	1.18 (0.278)	
	2014	1199	0	1115	93.0	2.01 (0.156)	
	2015	1191	6	1025	86.5	4.86 (0.028)	
Have nets in household	2008	382	1	280	73.3	Ref	184.82 (0.000)
	2009	341	7	267	78.3	4.12 (0.042)	
	2010	400	0	292	73.0	0.024 (0.877)	
	2011	1075	5	810	75.3	0.73 (0.391)	
	2012	1155	7	951	82.8	15.93 (0.000)	
	2013	1087	13	875	81.5	10.94 (0.001)	
	2014	1199	1	913	76.2	1.16 (0.282)	
	2015	1189	2	1108	93.2	109.23 (0.000)	

There was no significant difference in the median age or household size of respondents at each year compared to 2008 as the reference. Ownership of at least one bed net in the household increased from 73% in 2008 to 93% in 2015 ($p < 0.001$). There was significant difference in the marital status of female respondents only in 2015 compared to 2008; 2015 had fewer married women than 2008 ($p < 0.05$). Fewer respondents attended school in 2009, 2010 and 2012 compared to 2008 ($p < 0.05$). Among school attendees, the median completed grade was lower every year compared to 2008 except in 2014, but significantly different only in 2010 and 2011 ($p < 0.01$).

Supplemental Table 2: Missing data patterns of the dataset

Data missing patterns by variable combination	Age at death	Dead	Birth month	Count	Percent
1	X	X	X	5826	85.45
2	X	X	.	946	13.88
3	.	X	X	38	0.56
4	.	X	.	3	0.04
5	.	.	X	4	0.06
6	.	.	.	1	0.01

The dot “.” symbol represents the missing information for the concerned variable and the “X” means the information is known.