Table S1: Bivariate and multivariate logistic results of the determinants of households' access to improved drinking water sources in 2010 and 2014

Variables	The year 2010 Logistic regression		The year 2014 Logistic regression	
	COR (95%CI)	AOR(95%CI)	COR (95%CI)	AOR(95%CI)
Age of the HH(years)				
15-34	1	1	1	1
35-54	0.76(0.70,0.83)	0.87(0.78,0.97)	0.82(0.75,0.90)*	0.93(0.83,1.04)
55 and above	0.52(0.47,0.58)	0.80(0.70,0.91)	0.62(0.57,0.69)*	0.99(0.87,1.13)
Sex of the HH				
Male	1	1	1	1
Female	0.79(0.74,0.86)*	1.00(0.91,1.09)	0.81(0.75,0.87)*	0.91(0.83,0.99)*
The highest education level of the HH				
No education	1	1	1	1
Primary	1.14(1.02,1.28)*	0.92(0.81,1.04)	1.21(1.08,1.37)	1.01(0.88,1.16)
Secondary	1.66(1.46,1.87)*	0.92(0.80,1.07)	1.66(1.46,1.87)*	1.00(0.85,1.17)
High school	2.28(2.01,2.59)*	0.95(0.80,1.11)	2.42(2.13,2.75)*	1.09(0.91,1.30)
Tertiary	2.74(2.37,3.18)*	0.99(0.82,1.21)	2.63(2.29,3.02)*	0.84(0.68,1.03)
Household size				
1-3	1	1	1	1
4-6	0.68(0.62,0.74)*	0.89(0.80,0.98)*	0.68(0.63,0.74)*	0.87(0.79,0.97)
7 and more	0.58(0.53,0.65)*	0.91(0.80,1.03)	0.55(0.50,0.61)*	0.87(0.76,0.99)*
Household wealth index				
Poorest	1	1	1	1
Poor	1.83(1.57,2.13)*	1.68(1.44,1.97)*	0.50(0.36,0.64)*	1.44(1.25,1.67)*
Middle	2.46(2.13,2.83)*	2.02(1.74,2.36)*	0.86(0.73,0.99)*	1.94(1.68,2.24)*
Rich	3.27(2.84,3.76)*	2.63(2.25,3.07)*	1.41(1.28,1.55)*	2.98(2.55,3.50)*
Richest	5.36(4.65,6.18)*	3.71(3.11,4.43)*	1.85(1.71,1.99)*	4.58(3.76,5.57)*
Place of residence				
Rural	1	1	1	1
Urban	2.70(2.49,2.91)*	1.67(1.54,1.88)*	3.40(3.05,3.79)*	2.13(1.87,2.42)*
Region				
Hhohho	1	1	1	1

	COR	AOR	COR	AOR
Manzini	0.95(0.86,1.06)	0.73(0.65,0.83)*	1.12(1.02,1.23)*	0.96(0.86,1.08)
Shiselweni	0.43(0.38,0.48)*	0.53(0.47,0.61)*	0.52(0.46,0.57)*	0.67(0.59,0.75)*
Lubombo	0.65(0.58,0.73)*	0.67(0.59,0.76)*	0.72(0.65,0.80)*	0.73(0.64,0.84)*
Observations		4819		4843
Model fit				
AIC		4518.92		4812.55
BIC		4609.65		4903.35

*Notes: COR=Crude odd ratio, AOR=Adjusted odds ratio, *Significant at p<0.05; HH= household head*