## **Supplementary Table 1. Key variable definition**

Variable	Variable type		
Household level variables			
If any member in household over 60 years	Binary		
old	<ul> <li>No member above 60 years</li> </ul>		
	At least 1 member above 60 years		
If	Binary		
If any member in household below 5 years old	<ul> <li>No member below 5 years</li> </ul>		
old	At least 1 member below 5 years		
	Binary		
If any member in household has a chronic	<ul> <li>No household member has a chronic disease</li> </ul>		
disease	At least 1 household member has a chronic		
	disease		
	Binary		
If any member in household used inpatient	No member in household used inpatient service		
service recently	recently		
service recently	At least 1 household member has a chronic		
	disease		
Total Household income	Continuous		
Income quintile of per capita household	Categorical		
income	• 1 <sup>st</sup> quintile		
	• 2 <sup>nd</sup> quintile		
	• 3 <sup>rd</sup> quintile		
	• 4 <sup>th</sup> quintile		
	• 5 <sup>th</sup> quintile		
Total Household medical expenditure	Continuous		
Household catastrophic expenditure	Binary		
	Yes (household medical expenditure greater)		
	than 40% of household income)		
	No (household medical expenditure less than		
	40% of household income)		
Individual level variables			
Have outpatient visit in the past two weeks	Binary		
	• Yes		
	• No		
Admission rate within the past year	Binary		
	• Yes		
	• No		
Admissions in lower level health facilities	Binary		
	• Yes		
	• No		

Did not get admitted when considered	Binary
necessary by physicians	• Yes
	• No
Forgone necessary admissions due to	Binary
financial difficulties	• Yes
	• No
Early discharge due to financial difficulties	Binary
	• Yes
	• No

**Supplementary Table 2.** Factors associated with households having out-of-pocket medical expenditure exceeding 40% of household income

Alternative Model1	Alternative Model2 Odds Ratio (95% CI)
Odds Ratio (95% CI)	
1.07 (0.73 1.57)	0.84 (0.61 1.16)
1.37 (0.91 2.06)	0.87 (0.63 1.21)
1.12 (0.77 1.63)	1.22 (0.85 1.75)
1.02 (0.78 1.34)	1.08 (0.81 1.44)
	0.35 (0.30 0.40)
	0.22 (0.19 0.25)
	0.17 (0.15 0.20)
	0.09 (0.07 0.11)
	0.49 (0.45 0.53)
	0.27 (0.23 0.33)
d	
	1.06 (0.96 1.19)
	1.17 (1.07 1.28)
	3.44 (3.09 3.84)
	Odds Ratio (95% CI)  1.07 (0.73 1.57) 1.37 (0.91 2.06)  1.12 (0.77 1.63) 1.02 (0.78 1.34)