

Appendix: Example questionnaire for household costs
and treatment seeking behaviour

Acknowledgements and data sources

Thank you to everyone who generously shared their questionnaires and their experience with us. In particular thank you to Virginia Wiseman, Lesong Conteh, Fred Matovu, Warren Stevens and William Mwengee for their questionnaire on which much of this example is based. For more details on the methodology and results please see:

McElroy B, Wiseman V, Matovu F, Mwengee W. Malaria prevention in north-eastern Tanzania: patterns of expenditure and determinants of demand at the household level. *Malaria Journal* (in press).

Wiseman V., Scott A., Conteh L., McElroy B., Stevens W. (2008) Determinants of provider choice for malaria treatment: experiences from The Gambia. *Social Science and Medicine* 67(4):487-96.

Wiseman V., Scott A., McElroy B., Conteh L., Stevens W. (2007) Determinants of bed net use in The Gambia: implications for malaria control. *American Journal of Tropical Medicine & Hygiene* 76(5):830-836

Wiseman V., McElroy, B., Conteh L., Stevens W. (2006) Malaria prevention in The Gambia: patterns of expenditure and determinants of demand at the household level. *Tropical Medicine and International Health* 11 (4): 419-431

Yeung S, Van Damme W, Socheat D, White NJ, Mills A. (2008) Access to artemisinin combination therapy for malaria in remote areas of Cambodia. *Malaria Journal* 2008, 7:96

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Name of Project
Investigators etc

Background

- Objective of questionnaire
- Outline structure of questionnaire
- Expected duration
- Who to contact if there are problems

Identification details

- Interview details (Name of interviewer, date, time duration)
- Address/ of household
- Unique Household identification number (for linking with other datasets)
- Name and occupation of Household Head
- Name and relationship of respondent(s) (Should aim for most senior female in household)

Sections for details and comments from:

- 1) Interviewer
- 2) Supervisor
- 3) Data entry person

Questionnaire No.:

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Household roster

Name	Relation to household head	Age	Sex

Did any of the members of this household listed above suffer from fever during the previous two weeks? Yes ___ No ___

If **no**, then go straight to the section of socio-economic data

If **yes**, record ID number and name from above and fill out section B for every member of the household suffering from fever illness during the previous two weeks

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1.	2.	3.	4.	5.	6.	7.
Which individual(s) have been ill with fever in the last two weeks?	How many days ago did the fever start?	How severe was the fever?	Did they get better?	How long did the illness last?	What is the main activity of this individual (during this season)?	For how many days were you/they unable to carry on your/their usual activities because of this illness over the last 2 weeks?
<i>Use a separate line for each individual</i>	<i>Write number of days.</i>	<i>Mild fever.....1 (loss of appetite, headache)</i> <i>Moderate fever.....2 (sitting down, tired)</i> <i>Severe fever.....3 (fitting, convulsions)</i> <i>Other (specify).....4</i> <i>Don't know.....99</i>	<i>Yes.....1</i> <i>Still ill....2</i> <i>Died.....3</i> <i>Don't know...99</i>	<i>Write number of days.</i> <i>Don't know..99</i>	<i>Farmer.....1</i> <i>Laborer.....2</i> <i>Shopkeeper/Retail.....3</i> <i>Business.....4</i> <i>Childcare.....5</i> <i>Student.....6</i> <i>Civil Servant.....7</i> <i>Child (Not studying)....8</i> <i>No Occupation..... 9</i> <i>Other (Specify).....10</i>	<i>Write number of days.</i> <i>If none, write 0</i> <i>Don't know..99</i>
<i>Name</i>	<i>Days</i>	<i>Severity</i>	<i>Outcome</i>	<i>Duration of illness</i>	<i>Main activity</i>	<i>Duration off work</i>
1.						
2.						
3.						
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5.						

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8.	9.	10.	11.	12.	13.	14.	15.
<p>Did you/they get treatment from someone (eg drug shop, clinic)</p>	<p>Why did you/they <u>not</u> get treatment from someone for this illness?</p>	<p>Where did they get treatment? I will read you a list, please say yes or no after each one.</p> <p>Did you get treatment from a:</p>	<p>Which is the first one where you sought care for the illness?</p>	<p>How many days after the beginning of the fever did you/they start taking treatment from this provider?</p>	<p>What was/were the most important reason/s for choosing this provider?</p>	<p>How far is this provider from here?</p>	<p>How did you travel to this provider?</p>
<p>Yes1 (Go to question x)</p> <p>No 2 (Go to question y)</p>	<p>Not severe enough....1 Got better.....2 Not enough money...3 Too far away.....4 No transport.....5 Family would not let me.....6 Other (Specify).....7</p>	<p>Public or mission Hospital.....1 Public or mission Health Centre.....2 Private clinic.....3 NGO clinic.....4 Dispensary.....5 Private pharmacy.....6 Shop/Kiosk.....7 Petty Trader.....8 Neighbour.....9 Traditional Healer.....10 Other (Specify).....11</p>	<p>Use same code as in question 10.</p>	<p>Same day...0 Next day.....1 Day after next...2</p> <p>More than 2 days later, write the number of days later</p>	<p>Proximity.....1 Good reputation.....2 Inexpensive.....3 Good personal experience.....4 Qualification of staff.....5 Availability of drugs.....6 Relative/Friend works here.....7 Can get treatment on credit.....8 Just to see9 Other (specify).....10</p>	<p>Write answer in kilometres</p> <p>If less than 1km, write "<1km</p> <p>Don't know...99</p>	<p>Walk.....1 Bicycle.....2 Motorcycle.....3 Private car.....4 Public taxi/bus...5 Boat.....6 Donkey/Horse...7 Other (Specify)...8</p>
<i>Treatment</i>	<i>Reason no</i>	<i>Providers</i>	<i>First provider</i>	<i>Time to treat</i>	<i>Reasons for Provider Choice</i>	<i>Distance</i>	<i>Transport</i>
1.							
2.							
3.							
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5.							

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16.	17.	18.	19.	20.	21.	22.	23.	24.	
How many people made the journey	How long did the journey take to go from your home to this provider?	How much in total did you pay for transport for the journey to and back from this provider	Who did you see at this facility?	Did you/person with the fever have to stay overnight at this facility? If, yes, how many nights	Were you/the person with fever advised to have diagnostic test?	Which test?	How much did the test cost	What was the test result?	
			<i>Doctor.....1</i> <i>Medical assistant.....2</i> <i>Nurse.....3</i> <i>Nursing assistant.....4</i> <i>Pharmacist.....5</i> <i>Relative of health care worker.....6</i> <i>Shopkeeper.....7</i> <i>Village Health Worker...8</i> <i>TBA.....9</i> <i>Traditional Healer10</i> <i>Other (Specify).....11</i>	<i>Write number of nights</i> <i>If no overnight stay, write 0</i> <i>(Cost information is collected later)</i>	<i>No advice, no test.....1</i> <i>No advice, but had test....2</i> <i>Advised but decline.....3</i> <i>Advised and had test.....4</i> <i>If no test, go to question x</i>	<i>RDT.....1</i> <i>Microscopy.....2</i> <i>Both RDT and microscopy...3</i> <i>Don't know...99</i>	<i>If free or write "0"</i> <i>Don't know.....9</i>	<i>Positive.....1</i> <i>Negative.....2</i> <i>Don't know.....3</i>	
<i>Journey people</i>	<i>Journey time</i>		<i>Transport cost</i>	<i>Provider person</i>	<i>Overnight</i>	<i>Diagnosis</i>	<i>Test</i>	<i>Test cost</i>	<i>Test result</i>
	<i>Hours</i>	<i>Minutes</i>							
1.									
2.									
3.									
4.									
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25.	26.	27.	28.	29.	30.	31.	32.
How much time did you spend waiting at this provider	Did you receive medicines at this facility or a prescription to obtain medicines from a pharmacy?	I would like to ask you about the medicines. Please tell me what you received, how many and how much it costs. If you still have the medicines, please let me see them. <i>Indicate with tick which ones were seen</i>					Did the provider recommend any drug? (Whether or not you took his/her advice)
		<i>Drug codes (for question 27 and 32)</i> Chloroquine1 Co-artem.....8 Amoxicillin.....12 Amodiaquine2 Duocotexcin.....9 Penicillin.....13 SP3 Artesunate-Amodiaquine.....10 Cotrimoxazole.....14 Quinine4 Artesunate-SP.....11 Paracetamol.....15 Artesunate alone.....5 Other (specify)16 Artemether alone.....6 Don't know.....99 Dihydroartemisinin alone.....7					
		<i>Received medicine1</i> <i>Received prescription.....2</i> <i>No, did not receive medicine or prescription.....3</i> <i>Don't know.....99</i> <i>If no medicine or prescription Go to question x</i>	<i>Use drug code above</i>	<i>Tablets - blister-pack.....1</i> <i>Tablet – loose.....2</i> <i>Syrup.....3</i> <i>Injection.....4</i> <i>Infusion.....5</i>	<i>Quantity bought</i> <i>If tablets came in a box write the number of tablets in the box</i> <i>Don't know.....99</i>	<i>Duration</i> <i>Write number of days drug was taken</i>	
<i>Wait</i>	<i>Receive drugs</i>	<i>Drug code</i>	<i>Formulation code</i>	<i>Drug quantity</i>	<i>Drug duration</i>	<i>Drug cost</i>	<i>Recommendation</i>
1.		a					
		b					
		c					
		d					
2.		a					
		b					
		c					
		d					
3.		a					
		b					
		c					
		d					
4.		a					
		b					
		c					
		d					
5.		a					
		b					
		c					
		d					

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	33.	34.	35.	36.	37.	38.	39.	
	In addition to the cost of drugs and any tests that you have already told me about, did you have to pay for the consultation?	Did you pay for special food before or during the visit to this provider? If so how much?	Are there any other costs related to this provider, that you that you have not already mentioned	Were you asked by the health care provider to return for more treatment / check up?	How many more visits did you make to this health care provider?	Of all the places ...[NAME].... visited which was the second one where you/they sought care for the illness? [...REMIND OF RESPONSE IN x...]	How many days after the beginning of the fever did you/they start taking treatment from this provider?	
	<i>Ask in cash or in kind (convert later, if necessary) If free, write 0</i>	<i>Ask in cash or in kind (convert later, if necessary) If none, write 0</i>	<i>Write what was paid for and the cost Medical supplies.....1 Inpatient stay.....2 Other investigations.....3 Other (specify).....4 None.....5</i>	<i>Yes1 No.....2</i>	<i>Write number of additional visits If none, write 0</i>	<i>Public or mission Hospital.....1 Public or mission Health Centre...2 Private clinic.....3 NGO clinic.....4 Dispensary.....5 Private pharmacy.....6 Shop/Kiosk.....7 Petty Trader.....8 Neighbour.....9 Traditional Healer.....10 Other (Specify).....11 IF NO 2nd place then go to question x</i>	<i>Same day...0 Next day.....1 Day after next...2 More than 2 days later, write the number of days later</i>	
	<i>Consultation cost</i>	<i>Food costs</i>	<i>Other cost</i>		<i>Follow up Advised</i>	<i>Return Visits</i>	<i>Facility</i>	<i>Time to treat</i>
			<i>Item code</i>	<i>Cost</i>				
1.								
2.								
3.								
4.								
5.								

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	40.	41.	42.	43.	44.	45.	46.
	What was/were the most important reason/s for choosing this provider?	How far is this provider from here?	How did you travel to this provider?	How many people made the journey	How long did the journey take to go from your home to this provider?	How much in total did you pay for transport for the journey to this provider	Who did you see at this facility?
	<i>Proximity.....1</i> <i>Good reputation.....2</i> <i>Inexpensive.....3</i> <i>Good personal experience.....4</i> <i>Qualification of staff.....5</i> <i>Availability of drugs.....6</i> <i>Relative/Friend works here....7</i> <i>Can get treatment on credit...8</i> <i>Just to see.....9</i> <i>Other (specify).....10</i>	<i>Write answer in kilometres</i> <i>If less than 1km, write "<1km"</i> <i>Don't know...99</i>	<i>Walk.....1</i> <i>Bicycle.....2</i> <i>Motorcycle.....3</i> <i>Private car.....4</i> <i>Public taxi/bus...5</i> <i>Boat.....6</i> <i>Donkey/Horse....7</i> <i>Other (Specify)...8</i>				<i>Doctor.....1</i> <i>Medical assistant.....2</i> <i>Nurse.....3</i> <i>Nursing assistant.....4</i> <i>Pharmacist.....5</i> <i>Relative of health care worker.....6</i> <i>Shopkeeper.....7</i> <i>Village Health Worker...8</i> <i>TBA.....9</i> <i>Traditional Healer.....10</i> <i>Other (Specify).....11</i>
	<i>Reasons for Provider Choice</i>	<i>Distance</i>	<i>Transport</i>	<i>Journey people</i>	<i>Journey time</i>	<i>Transport cost</i>	<i>Provider person</i>
					<i>Hours</i>	<i>Mins</i>	
1.							
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	47.	48.	49.	50.	51.	52.
	Did you/person with the fever have to stay overnight at this facility? If yes, how many nights	Were you/the person with fever advised to have diagnostic test? Did you have a test?	Which test?	How much did the test cost ?	What was the test result?	Did you receive medicines at this facility or a prescription to obtain medicines from a pharmacy?
	<i>Write number of nights</i> <i>If no overnight stay, write 0</i>	<i>No advice, no test.....1</i> <i>No advice, but had test....2</i> <i>Advised but decline.....3</i> <i>Advised and had test.....4</i> <i>If no test, go to question x</i>	<i>RDT.....1</i> <i>Microscopy.....2</i> <i>Both RDT and microscopy...3</i> <i>Don't know...99</i>	<i>If free or write "0"</i> <i>Don't know.....99</i>	<i>Positive for malaria.....1</i> <i>Negative for malaria.....2</i> <i>Other result (specify).....3</i> <i>Don't know.....99</i>	<i>Received medicine1</i> <i>Received prescription.....2</i> <i>No, did not receive medicine or prescription.....3</i> <i>Don't know.....99</i> <i>If no medicine or prescription</i> <i>Go to question x</i>
	<i>Overnight</i>	<i>Diagnosis</i>	<i>Test</i>	<i>Test cost</i>	<i>Test result</i>	<i>Receive drugs</i>
1.						
2.						
3.						
4.						
5.						

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	53.	54.	55.	56.	57.	58.																					
	I would like to ask you about the medicines. Please tell me what you received, how many and how much it costs. If you still have the medicines, please let me see them. <i>Indicate with tick which ones were seen</i> <i>Drug codes (for question 53 and 58)</i> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Chloroquine1</td> <td style="width: 33%;">Co-artem.....8</td> <td style="width: 33%;">Amoxicillin.....12</td> </tr> <tr> <td>Amodiaquine2</td> <td>Duocotexcin.....9</td> <td>Penicillin.....13</td> </tr> <tr> <td>SP3</td> <td>Artesunate-Amodiaquine.....10</td> <td>Cotrimoxazole.....14</td> </tr> <tr> <td>Quinine4</td> <td>Artesunate-SP.....11</td> <td>Paracetamol.....15</td> </tr> <tr> <td>Artesunate alone.....5</td> <td></td> <td>Other (specify)16</td> </tr> <tr> <td>Artemether alone.....6</td> <td></td> <td>Don't know.....99</td> </tr> <tr> <td>Dihydroartemisinin alone.....7</td> <td></td> <td></td> </tr> </table>					Chloroquine1	Co-artem.....8	Amoxicillin.....12	Amodiaquine2	Duocotexcin.....9	Penicillin.....13	SP3	Artesunate-Amodiaquine.....10	Cotrimoxazole.....14	Quinine4	Artesunate-SP.....11	Paracetamol.....15	Artesunate alone.....5		Other (specify)16	Artemether alone.....6		Don't know.....99	Dihydroartemisinin alone.....7			Did the provider recommend any drug? (Whether or not you took his/her advice)
Chloroquine1	Co-artem.....8	Amoxicillin.....12																									
Amodiaquine2	Duocotexcin.....9	Penicillin.....13																									
SP3	Artesunate-Amodiaquine.....10	Cotrimoxazole.....14																									
Quinine4	Artesunate-SP.....11	Paracetamol.....15																									
Artesunate alone.....5		Other (specify)16																									
Artemether alone.....6		Don't know.....99																									
Dihydroartemisinin alone.....7																											
	Use drug code above	Tablets - blister-pack.....1 Tablet – loose.....2 Syrup.....3 Injection.....4 Infusion.....5	Quantity bought If tablets came in a box write the number of tablets in the box Don't know.....99	Duration Write number of days drug was taken	Cost If only total cost of drugs is known then write "Total" and the cost Don't know.....99	Use drug codes If no recommendation write 0																					
	<i>Drug code</i>	<i>Formulation code</i>	<i>Drug quantity</i>	<i>Drug duration</i>	<i>Drug cost</i>	<i>Recommendation</i>																					
1.	a																										
	b																										
	c																										
	d																										
2.	a																										
	b																										
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3.	a																										
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	d																										
4.	a																										
	b																										
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	d																										
5.	a																										
	b																										
	c																										
	d																										

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	59.	60.	61.		62.	63.
	In addition to the cost of drugs and any tests that you have already told me about, did you pay for the consultation at this provider?	In addition to paying for special foods already mentioned, did you buy anymore special food?	Are there any other costs related to this provider, that you that you have not already mentioned		Were you asked by this health care provider to return for more treatment / check up?	I would like to double check the total cost associated with this illness episode
	<i>Ask in cash or in kind (convert later, if necessary)</i> <i>If free, write 0</i>	<i>Ask in cash or in kind (convert later, if necessary)</i> <i>If none, write 0</i>	<i>Write what was paid for and the cost</i> <i>Medical supplies.....1</i> <i>Inpatient stay.....2</i> <i>Other investigations.....3</i> <i>Other (specify).....4</i> <i>None.....5</i>		<i>Yes1</i> <i>No.....2</i>	Copy and add up the costs from the previous questions and check this with the respondent
	Consultation cost	Food costs	<i>Other cost</i>		Follow up Advised	Total cost
			<i>Item code</i>	<i>Cost</i>		
1.						
2.						
3.						
4.						
5.						

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	64.	65.	66.	67.	68.	69.
	Did your household pay for everything or were some of the costs covered by insurance or outside assistance	What was the source of support from outside the household	How much did you receive from outside the household?	Did you have enough cash or did you have to borrow money or sell something to get the necessary cash	How much did you have to borrow?	Did anyone else in the household have fever?
	<i>Household paid for everything1 (Go to question x)</i> <i>Some additional support 2 (Go to question x)</i>	<i>Insurance....1 Employer.....2 Charity.....3</i>	<i>Write amount</i>	<i>Sufficient cash.....1 Borrowed from friend/relative.....2 Borrowed from the health care provider...3 Sold livestock.....4 Sold property.....5 Sold labour.....6</i>	<i>Write amount borrowed</i>	<i>Yes.....1 No.....2 If yes go back to question x If no, then this section of the questionnaire is finished</i>
1.	Outside	Outside source	Outside Amount			
2.						
3.						
4.						
5.						