

Pathways to sustainable smoke alleviation – Round 3 KENYA
Final household monitoring questionnaire – Sustainable smoke alleviation - DFID funded study

Household questionnaire

Day 1

FIRST VISIT AT START OF 24-hour MONITORING - round 3			
PLEASE ENSURE THAT THE PERSON BEING INTERVIEWED IS THE SAME PERSON AS WAS INTERVIEWED IN ROUND 1. IF IT IS NOT THE SAME PERSON, CHECK IF THE SAME PERSON AS IN ROUND 1 CAN BE INTERVIEWED ON ANOTHER DAY. IF THIS IS NOT POSSIBLE, <i>TERMINATE THE INTERVIEW</i>			
NK. Identifying household and cook			
NK1	Household number		
NK2	Name of interviewer		
NK3	Identifier for interviewee (NOT her name or initials)		
NK4	Date of interview		
EK. Setting up equipment			
<i>Remind the woman about the reason for using the equipment and ensure she is still happy to have the monitor set up in her kitchen. If 'yes', set up monitor</i>			
EK1	Is the woman happy to have the CO monitor set up in her kitchen?	No (terminate session)	1
		Yes (turn on CO monitor)	2
EK2	Initial reading on monitor		
EK3	Time of day		
EK4	Morning or Evening?	Morning	1
		Evening	2
AK. Changes to the house			
AK1	Has the house been altered in any major way since Round 1 (eg new roof, extra room, change in roofing, moved house)	No (go to PK1)	1
		Yes	2
AK2	Please describe how the house has been modified		
PK: Fuel purchase and gathering			
PK1	When you need fuel, is it.....	All or mainly gathered –go to PK4	1
		About half gathered, rest bought	2
		All or mainly bought	3
PK2	How much did you pay for your main fuel the last time you bought it? <i>(This can be formal – e.g. Kenya Shillings per bag, or whatever is appropriate that gives the currency for the quantity you've written)</i>	Quantity of fuel bought	
		Cost for this quantity	
		Currency per unit (eg Kenya Shillings per bag)	KSh /
PK3	How long do you expect this quantity of fuel to last?	Days =	
PK4	If you gathered fuel recently, how adequate were the supplies ?	Did not gather any (go to LK1)	1
		Very scarce	2

	(Circle '1' if person did not gather fuel)	Rather scarce	3
		Just enough	4
		Plentiful	5
PK5	About how long did this collection trip take (hours and minutes)?	Hours	
PK6		Minutes	
PK7	In the last week (seven days) how many times did you or your family gather fuel?		
PK8	How many children, aged under 16 years, gathered fuel in the last week (seven days)?		

LK.Lighting

LK1	What is your main lighting fuel?	Electricity (grid)	1
		Electricity (battery)	2
		Electricity (local generator)	3
		LPG	4
		Kerosene	5
		Candles	6
		Other	7
LK2	If 'other lighting fuel' please specify		
LK3	Do you buy lighting fuel? <i>If 'no' go to IK1</i>		No 1 Yes 2
LK4	How much did you pay last time for lighting fuel? (KSh) <i>If lighting fuel is not bought, put zero</i>	Quantity	
LK6		Cost	
LK6	When you buy this quantity of fuel for lighting, how many days does this usually last? <i>(if electricity is bought per day, then in the 'days' box, put '1', if it is per week, then put '7')</i>	Days	

IK. IMPACTS OF INTERVENTIONS

We want to understand how much these interventions have cost and the changes (both bad and good) that they have made. Today we discuss the cost and tomorrow what changes they have made to your life.

IK1	Which of the following interventions have you bought or built to reduce smoke in your home? <i>Please tick those the interviewee has in her home</i>	Name of intervention	Reference number
		Smoke hood	1
		LPG stove	2
		Eaves spaces	3

For each intervention ticked above in IK1, write in the name and number of the intervention in the boxes below that are separated by 3 thick lines, and ask the questions for each intervention in turn. *Only fill in the boxes between the 3 thick lines for interventions ticked in IK1. e.g. If the person has installed an LPG stove write in (Name of intervention **LPG stove** Reference number **2**)*

IK2	Name of intervention _____		
IK3	Reference number: _____		
IK4	How are you paying for this intervention?	I paid as a single payment (<i>go to IK5</i>)	1
		I am paying (or have paid) in instalments (<i>go to IK6</i>)	2
IK5	How much did you pay for this intervention? (KSh)	.....KSh (<i>go to IK9</i>)	
IK6	What was the downpayment? (KSh)		
IK7	How much do (did) you pay each instalment? (KSh)		

IK8	How many instalments are needed (were needed) to pay for this intervention?		
IK9	How far did you travel to buy it? (Kms) – put '0' if less than 1Km and go to IK12		
IK10	How long did it take you to go and buy it?	.....hr.....min	
IK11	How much did it cost to go and buy it (bus fare etc) (KSh.)		
IK12	How much did it cost to have intervention brought to house? (KSh)		
IK13	Did you pay to have the intervention installed?	No	1
		Yes	2
IK14	If you had to pay, how much did it cost to have it installed? (KSh)		
IK15	If you or your family installed it, how long did it take to install it?	....hr ....mins	
IK16	How long does it take each week to clean intervention? <i>If not cleaned put '0'</i>	.....mins	
IK17	How long ago was it installed? (months)		
IK18	Have you had to have it repaired? <i>If 'no' ignore next 2 questions about repair</i>	No	1
		Yes	2
IK19	If you paid for it to be repaired, what is the total cost of repair? (KSh)		
IK20	If you repaired it yourself, what is the total time you spent repairing it? (hrs)	... hr.....min	
<hr/> <hr/> <hr/>			
IK21	Name of intervention _____		
IK22	Reference number: _____		
IK23	How are you paying for this intervention?	I paid as a single payment (<i>go to IK24</i>)	
		I am paying (or have paid) in instalments (<i>go to IK25</i>)	
IK24	How much did you pay for this intervention? (KSh)	.....KSh (<i>go to IK28</i>)	
IK25	What was the downpayment? (KSh)		
IK26	How much do (did) you pay each instalment? (KSh)		
IK27	How many instalments are needed (were needed) to pay for this intervention?		
IK28	How far did you travel to buy it? (Kms) – put '0' if less than 1Km and go to IK31		
IK29	How long did it take you to go and buy it?	....hr.....min	
IK30	How much did it cost to go and buy it (bus fare etc) (KSh.)		
IK31	How much did it cost to have intervention brought to house? (KSh)		
IK32	Did you pay to have the intervention installed?	No	1
		Yes	2
IK33	If you had to pay, how much did it cost to have it installed? (KSh)		
IK34	If you or your family installed it, how long did it take to install it?	....hr ....mins	
IK35	How long does it take each week to clean intervention? <i>If not cleaned put '0'</i>	.....mins	
IK36	How long ago was it installed? (months)		
IK37	Have you had to have it repaired? <i>If 'no' ignore next 2 questions about repair</i>	No	1
		Yes	2
IK38	If you paid for it to be repaired, what is the total cost of repair? (KSh)		

IK39	If you repaired it yourself, what is the total time you spent repairing it? (hrs)		... hr.....min
IK40	Name of intervention _____		
IK41	Reference number: _____		
IK42	How are you paying for this intervention?	I paid as a single payment (go to IK43)	
		I am paying (or have paid) in instalments (go to IK44)	
IK43	How much did you pay for this intervention? (KSh)		.....KSh (go to IK47)
IK44	What was the downpayment? (KSh)		
IK45	How much do (did) you pay each instalment? (KSh)		
IK46	How many instalments are needed (were needed) to pay for this intervention?		
IK47	How far did you travel to buy it? (Kms) – put '0' if less than 1Km and go to IK50		
IK48	How long did it take you to go and buy it?		....hr.....min
IK49	How much did it cost to go and buy it (bus fare etc) (KSh.)		
IK50	How much did it cost to have intervention brought to house? (KSh)		
IK51	Did you pay to have the intervention installed?	No	1
		Yes	2
IK52	If you had to pay, how much did it cost to have it installed? (KSh)		
IK53	If you or your family installed it, how long did it take to install it?		....hr ....mins
IK54	How long does it take each week to clean intervention? If not cleaned put '0'		.....mins
IK55	How long ago was it installed? (months)		
IK56	Have you had to have it repaired? <i>If 'no' ignore next 2 questions about repair</i>	No	1
		Yes	2
IK57	If you paid for it to be repaired, what is the total cost of repair? (KSh)		
IK58	If you repaired it yourself, what is the total time you spent repairing it? (hrs)		...hr.....min
IK59	Which of these interventions have you bought or built to reduce smoke in your home? Please tick those the interviewee has in her home	Upesi stove	1
		Fireless cooker	2
		Solar cooker	3
IK60	Have you made other changes? (this can include changes in behaviour such as using pot lids, keeping children away from fire, cooking out of doors etc)		
End of day 1			

SECOND VISIT AFTER THE 24-hour MONITORING - all the questions in this section refer to the time when the monitoring was taking place

NK_dy2 Identifying household and cook

NK1_dy2	Household number	
NK2_dy2	Name of interviewer	
NK3_dy2	Identifier for interviewee (NOT her name or initials)	
NK4_dy2	Date of interview	

SK. Type of stove

SK1	What was the main stove type you used when the monitoring was taking place?	Three-stone fire	1	
		Improved ceramic stove (upes)	2	
		Rocket stove	3	
		Metal charcoal stove (KCJ)	4	
		Traditional charcoal stove	5	
		Metal sawdust/residue stove	6	
		Traditional charcoal stove	7	
		LPG stove	8	
		Solar cooker	9	
		Paraffin (kerosene) stove	10	
		Other	11	
SK2	If 'other' please describe type of stove			
SK3	Did you do all your cooking using this stove today?	Yes	1	
		A small amount of cooking elsewhere	2	
		Quite a lot of cooking elsewhere	3	

MK. Fuel use on day of monitoring

MK1	What was the main fuel you used for cooking (and keeping warm) in your kitchen whilst the monitoring was taking place?	Wood	1	
		Charcoal	2	
		Residues	3	
		LPG	4	
		Kerosene	5	
		Solar	6	
		Other	7	
MK2	If 'other main fuel' please describe other fuel used :			
MK3	If you used more than one fuel, what was the second fuel you used for cooking (and keeping warm) whilst the monitoring was taking place?	Wood	1	
		Charcoal	2	
		Residues	3	
		LPG	4	
		Kerosene	5	
		Solar	6	
		Other	7	
MK4	If 'other second fuel' please describe other fuel used:			

MK5	Was the main fuel you used whilst the monitoring was taking place completely dead or 'green' ? (Green wood is wood that has just been cut down from a living tree and is not completely dried out)	Did not use biomass Completely dead 'Green'	1 2 3
MK6	How dry was the fuel you used whilst the monitoring was taking place?	Did not use biomass Wet Quite dry Very dry	1 2 3 4
BK. Enterprise & other uses			
BK1	Did you use the stove today for any enterprise ?	No – go to DK1 Yes	1 2
BK2	Did you use fuel for an enterprise or small business whilst the monitoring was taking place?	No Yes	1 2
BK3	If 'yes', how much of the fuel you used whilst the monitor was switched on was used for enterprise?	None or very little Quarter Half Three-quarters Almost all	1 2 3 4 5
BK4	Did you use fuel for any other tasks today? – please tick if the answer is 'yes'	Animal feed Water boiling for washing Ironing Other	1 2 3 4
BK5	If 'other tasks' please specify the tasks		
DK. Comments and observations on from interviewee			
DK1	Can you think of any ways in which your last 24 hours (since my visit yesterday) was different from how it would have been if monitoring had not been taking place?	No (go to DK3) Yes	1 2
DK2	Please describe how your day was different		
	What GOOD impacts, if any, do you feel that the interventions that you have installed are having? If you do not feel there are any good impacts, please say so. Please do not give suggestions, but leave plenty of time; you do not have to use all three spaces, but put 'No good impacts' into DK3 if she does not feel there have been good impacts, so that we know her opinion – continue on reverse if needed		
DK3	Impact 1:		
DK4	Impact 2:		
DK5	Impact 3:		
	We want to know about any PROBLEMS that you have you found with the interventions that you have installed ? Please tell us about those problems Please do not give suggestions, but leave plenty of time; , list up to three problems, you do not have to use all three spaces, but put 'No problems' into DK6 if she does not feel there have been problems, so that we know her opinion – continue on reverse if needed		
DK6	Problem 1:		

DK7	Problem 2:		
DK8	Problem 3:		
Observations on health			
HK1	Could you tell us how you feel the interventions have affected your health?	A lot worse than before	1
		A bit worse than before	2
		About the same as before	3
		A bit better than before	4
		A lot better than before	5
HK2	Could you tell us how you feel the interventions have affected your under-5 children's health:	A lot worse than before	1
		A bit worse than before	2
		About the same as before	3
		A bit better than before	4
		A lot better than before	5
		Do not have under-5 children	6
HK3	Could you tell us how you feel the interventions have affected your husband's health:	A lot worse than before	1
		A bit worse than before	2
		About the same as before	3
		A bit better than before	4
		A lot better than before	5
		Widowed, not married, divorced, separated etc	6
HK4	Could you tell us how you feel the interventions have affected any other family member's health:	A lot worse than before	1
		A bit worse than before	2
		About the same as before	3
		A bit better than before	4
		A lot better than before	5
		Lives alone	6
HK5	If you feel that your health or your family's health has changed, what are the main changes?		
HK6	Could you tell us whether you feel the interventions have affected your eyes, or those of your family? – if so, how have they been affected?		
Observations on time			
TK1	If you think about the time you spend in cooking, getting fuel, and cleaning pots, as a result of the interventions, do you have..	A lot less time	1
		A bit less time	2
		About the same (go to RK1)	3
		A bit more time	4
		A lot more time	5
TK2	Could you give us some idea of how much more (or less) time each week (use more or less depending on previous question. If the person tells you per day, multiply by 7 and enter this number)	....hrs... ..mins	
TK3	What changes you have made affect your time the most?		

TK4	If you have <i>more</i> time, could you say what you do with the extra time? (Only ask this question if people have said that they have more time)		
Savings / income			
RK1	Do you feel that you are better or worse off, or about the same, as a result of the smoke interventions in your house?	A lot worse off	1
		Worse off	2
		Just the same	3
		Better off	4
		A lot better off	5
RK2	Can you tell us in what ways you are better / worse off and why (do not prompt)		
RK3	Could you tell us about how much each week you feel you are better off, or worse off as a result of the intervention? <i>Ask question as appropriate. If people are reluctant to say, leave blank</i>	..... KSh /week	
RK4	With the intervention, do you save money on fuel, or is it about the same, or more expensive?	Saves money	1
		About the same	2
		More expensive	3
RK5	About how much money do you save (or extra do you spend) on fuel per week?	.....KSh	
Family life			
GK1	As a result of all of these changes and interventions, do you feel that you have.....	A lot more smoke	1
		A bit more smoke	2
		No change in the smoke	3
		A bit less smoke	4
		A lot less smoke	5
		No smoke at all	6
GK2	As a result of all of these changes and interventions, do you feel that your kitchen is	A lot worse	1
		A bit worse	2
		No change	3
		A bit better	4
		A lot better	5
GK3	Has your family life changed in any way as a result of smoke interventions (up till now, this is how they have been described)?	It has changed a lot	1
		It has changed a little	2
		It has not changed	3
GK4	Please describe the changes (both good and bad) that have happened in your family life as a result of alleviating smoke in your kitchen (do not prompt)		
Future plans			
ZK1	Are you planning any further interventions to remove smoke in the future? <i>If 'no' go to ZK3</i>	No	1
		Yes	2
ZK2	What interventions are you planning for the future?		

ZK3	Are there any comments you would like to make which you feel we should know? Please do not prompt – continue on reverse if needed		
QK. Section for interviewer			
QK1	Over the monitoring period, has the weather been....	Hot and dry?	1
		Hot and humid?	2
		Moderate temperature and dry?	3
		Moderate temperature and humid?	4
		Cold and dry?	5
		Cold and damp / wet?	6
		Other	7
QK2	If 'other' please describe the weather		
QK3	Wind – has it been	Still (no wind)	1
		Breezy (light wind)	2
		Very windy	3
EK. End of monitoring session			
EK5	Final reading on monitor		
EK6	Monitor is switched off	No	1
		Yes	2
EK7	Observations from interviewer on anything whilst the monitoring was taking place which you may feel affect the results		
Thank you for taking part in this discussion			