

**Egerton University - Tegemeo Institute/MSU**  
**Rural Household Survey----Synthetic Survey Instrument, 2004**

**Location of data files: c:\docs\Kenya\Kenyahh2004\augdata**

Files created for this questionnaire:

<b>File name</b>	<b>Level of data</b>	<b>Page</b>	<b>Table description</b>
allhhid04.sav	Household	4	Contains all households that were to be interviewed
hhidfinal04.sav	Household	4	Contains only households that <b>completed</b> the survey
hh04.sav	Household	5	General household level questions
incrop04.sav	Household, crop	11	Crop inventory-field crops, fruit trees & vegetables
field04.sav	Household, harvest, field	13	Acreage, tenure, land preparation types and costs
croplev04.sav	Household, harvest, field, crop	14	Details on crops grown, harvested amount, losses, sales & buyers for main and short seasons
fert04.sav	Household, harvest, field	15	Types and amount of fertilizer used
labour04.sav	Household sizefield, crop activity	16	Labour inputs for largest and second largest maize fields
MaizeSeed04.sav	Household, season, field, seed variety	17	Types of seed varieties used and their sources
Tfert04.sav	Household, input type	18	Fertilizer and other inputs purchased/hired using OWN cash
input04.sav	Household, input type	19	Inputs received or bought on credit
purch04.sav	Household, purchased product	20	Annual purchases for home consumption by 4-month periods
consumpt04.sav	Household, consumption item	21	Expenditures on food items over the past 30 days.
lstslid04.sav	Household, livestock	22	Livestock, inventory and sales
lstprd04.sav	Household, livestock product	23	Livestock production and sales
demogA04.sav	Household, member number	24	Details about adult household members listed in 2000 or 2002
demogA_A04.sav	Household, member number	25	Details about additional adult household members not listed in 2000 or 2002
demogC04.sav	Household, member number	26	Details about all children—those listed in 2000 or 2002 and new ones
mort04.sav	Household, person new ID	27	Previous deaths in household
hhinc04.sav	Household, person number, activity	28	Business and informal labour activities
salwg04.sav	Household, person code, activity	29	Salaried wage employment/permanent employment activities-includes pensions and remittances
asset04.sav	Household, asset	30	Household agricultural assets

**Identifying Location Variables:**

**Filenames: allsurid04.sav and hhidfinal04. sav** *Key variables: hhid*

Variable code

**Province:** 1= Coast, 2= North Eastern, 3= Eastern, 4= Nyanza, 5= Western, 6= Central, 7= Rift Valley, 8= North Rift

**prov** \_\_\_\_\_

**District:**

**dist** \_\_\_\_\_

11 Kilifi  
12 Kwale  
13 Taita Taveta  
31 Kitui  
32 Machakos  
33 Makueni  
34 Meru  
35 Mwingi

36 Embu  
37 Mbeere  
41 Kisii  
42 Kisumu  
43 Siaya  
44 Nyamira  
45 Homabay  
51 Bungoma

52 Kakamega  
53 Vihiga  
54 Busia  
61 Muranga  
62 Nyeri  
63 Kiambu  
64 Nyandarua  
65 Thika

71 Bomet  
72 Nakuru  
73 Narok  
74 Trans Nzoia  
75 Uasin Gishu  
77 Nandi North  
78 Nandi South  
81 Laikipia

**Division**

**div** \_\_\_\_\_

111 Kalolenii  
112 Bahari  
121 Kinango  
122 Msambweni  
131 Mwatate  
132 Magarini  
135 Malindi  
211 Central  
212 Dadaab  
213 Sankuri  
214 Modogashe  
215 Jaliijila  
216 Bura  
311 Chuluni  
321 Mwala  
322 Masinga  
331 Kilome  
332 Kisau  
333 Kaiti  
334 Matiliku  
341 W. Abothogucii

342 E. Abothogucii  
343 Miriga\_Meru East  
351 Migwani  
361 Manyatta  
362 Kyeni  
371 Siakago  
372 Gachoka  
373 Mwea  
411 Marani  
421 Kadibo  
422 Nyando  
423 Winam  
424 Maseno East  
431 Bondo  
432 Uranga  
441 Borabu  
451 Asego  
511 Kanduyi  
512 Kimilili  
513 Tongaren  
521 Kabras

522 Mumias  
523 Lugari/Likuyani  
524 Municipality  
531 Sabatia  
541 Matayos  
611 Kandara  
612 Kangema  
613 Kiharu  
614 Maragwa  
622 Mukurweini  
623 Othaya  
624 Kieni West  
625 Kieni East  
631 Githunguri  
632 Lari  
633 Kikuyu  
634 Limuru  
641 N. Kinangop  
642 OIKalou  
651 Gatanga  
652 Kamwangi

711 Kimulot  
712 Central Bomet  
713 Siongiroi  
721 Mbogoine  
722 Molo  
723 Njoro  
724 Rongai  
731 Ololunga  
741 Cherangani  
742 Saboti  
743 Kaplamai  
751 Ainabkoi  
752 Moiben  
753 Turbo  
755 Kapseret  
772 Kosirai  
773 Kapsabet  
774 Kabiyet  
781 Lamuria  
821 Katilu

**Location**

- 111 Buni
- 112 Rabai
- 121 Vigurugani
- 122 Pongwe/ Kidimwi
- 131 Mwakitau
- 211 Township
- 212 Bar Algahi
- 213 Waberi
- 214 Korakora
- 215 Raya
- 216 Sankuri
- 217 Dertu
- 218 Yums
- 219 Kamudhi
- 311 Mbitini
- 321 Mwala,
- 331 Itaani
- 332 Kithangathini
- 333 Kilungu
- 334 Kilome/ Kilungu
- 341 Githongo
- 342 Katheri
- 343 Katheri East
- 351 Migwani
- 411 Mwamunari
- 412 Kegogi,
- 421 Kobura
- 422 Awasi
- 423 C. Kolwa
- 431 Usonga
- 432 N. Sakwa
- 511 Bukembe
- 512 Kamukunywa
- 521 Etenje
- 522 Shiruku
- 523 Likuyani
- 531 North Maragoli
- 601 Ithiru
- 611 Mbiri
- 612 Gikindu
- 613 Muguru
- 621 Muhito
- 622 Chinga
- 711 Kimulot
- 721 Sachangwan
- 722 Ngata
- 723 Wesege
- 731 Melelo
- 741 Kinyoro
- 742 Kaplamai
- 751 Sergoit
- 752 Olare
- 753 Chepkiolel/Kapsoya
- 754 Karona
- 755 Sergoit
- 811 Thigiti
- 821 Katuli
- 1121 Matsangoni
- 1311 Ganda
- 1312 Chakama
- 1321 Magarini
- 2110 Dadawa

- 3221 Masii/Kivaa
- 3321 Kiteta
- 3331 Kilala
- 3332 Ukia
- 3341 Kalamba
- 3421 Mwanganthia
- 3431 Munithu
- 3611 Nginda
- 3612 Ruguru
- 3621 Kyeni North
- 3711 Muminji
- 3721 Kithunthiri
- 3731 Makima
- 4212 East Kochieng
- 4241 Seme
- 4411 Nyansiongo
- 4412 Esise
- 4511 Homabay Township
- 5112 Bukembe
- 5113 Kibabii
- 5131 Mbakalu
- 5231 Nzoia
- 5232 Sinoko
- 5241 Bukhungu
- 5411 Bukhaya West
- 6108 Ngararia
- 6112 Kambirwa
- 6121 Ichagaki
- 6122 Nginda
- 6221 Gakindu
- 6222 Githi

**location** \_\_\_\_\_

- 6241 Enderasha
- 6251 Kabarau
- 6311 Githunguri
- 6312 Githiga
- 6321 Kinale
- 6331 Karai
- 6332 Kikuyu
- 6341 Ndeiya
- 6421 Ruiiri
- 6511 Gatanga
- 6521 Chania
- 7121 Merigi
- 7131 Moqor
- 7531 Kapyemit
- 7532 Soiani
- 7533 Kamagut
- 7551 Kapseret
- 7721 Itigo
- 7722 Lelmoko
- 7723 Sigot
- 7724 Kapisaka
- 7725 Chepterit
- 7731 Kapsabet
- 7732 Kipture
- 7733 Baraton
- 7811 Kaptumo
- 7812 Kabois
- 8111 Ngobit

**Zone**

1 = Northern Arid, 2 = Coastal Lowlands, 3 = Eastern Lowlands, 4 = Western Lowlands, 5 = Western Transitional, 6 = High Potential Maize Zone, 7 = Western Highlands, 8 = Central Highlands, 9 = Marginal Rain Shadow.

## Egerton University - Tegemeo Institute/MSU Rural Household Survey----Synthetic Survey Instrument, 2004

“We are part of a team at Egerton University, who are studying options for improving food crop marketing, pricing, and input distribution for smallholder farmers. They are also looking at how the performance of food markets affects households’ ability to produce high-valued cash crops. Your help in answering these questions is very much appreciated. Your participation is completely voluntary, and you do not need to answer any questions you do not want to. Your responses will be **COMPLETELY CONFIDENTIAL**. The interview will take about 1 hour to complete. If you choose to participate you may refuse to answer certain questions or you may stop participating at any time. Your responses will be added to those of 1,500 other households in Kenya and analyzed together. You indicate your voluntary consent by participating in this interview, may we begin?” If you have any questions or comments about this survey, you may contact the Director, Tegemeo Institute, Egerton University, P.O. Box 20498, Nairobi, or the head of UCRHIS at Michigan State University, Dr. Peter Vasilenko at 517 355 2180.

File names **allsurid04.sav** – contains all households that were to be interviewed. File Name: **hhidfinal04.sav** – contains only those households who completed the survey.

Household No. \_\_\_\_\_ **hhid**  
 HH Name \_\_\_\_\_ **hhname**  
 Respondent(s) \_\_\_\_\_ **respname**

Instruction: Record the member number of the Respondent from the Demography table on page 20, 21 or 22 after the survey is completed.

**WHICH SAMPLE DOES THIS HOUSEHOLD BELONG TO, TAMPA OR USAID**

\_\_\_\_\_ **memnum**  
 \_\_\_\_\_ **sample**  
 1 = TAMPA, 2 = USAID

**USAID respondents only – Is the Household a beneficiary of USAID? 1 = yes, 2 = no, -889 = NA**  
**IF THE HOUSEHOLD IS NOT ABLE TO PARTICIPATE IN THE SURVEY, WHY NOT?**

1 = household dissolved 2 = moved from area 3 = refused 4 = household member cannot be found 5 = other

Date: \_\_\_\_\_ **surdate**

**Identifying Variables:**

Province: \_\_\_\_\_ **prov**  
 District: \_\_\_\_\_ **dist**  
 Division: \_\_\_\_\_ **div**  
 Location: \_\_\_\_\_ **loc**  
 Sub-Location: \_\_\_\_\_ **subloc**  
 Village: \_\_\_\_\_ **vil**  
 Supervisor: \_\_\_\_\_ **snum**  
 Enumerator: \_\_\_\_\_ **enum**

Tumetoka chuo kikuu cha Egerton na tunafanya utafiti juu ya kilimo. Tunanuia kujua namna ya kupanua bei, uuzaji wa mazao na ununuzi wa mahitaji ya kilimo kwa wakulima. Pia tuna lengo la kutaka kujua kama soko huru imesaidia au imedhuru uwezo wa wakulima kuuza na kununua vyakula, na namna ya kuongeza ukuuzaji wa mimea ya kuuza. Tutashukuru sana kwa usaidizi utakao tupa. Majibu yako kwa maswali tutakayouliza yatakuwa SIRI KABISA. Nyumba 1500 zitaulizwa maswali haya na yale matokeo tutakayotoa yatajumlisha majibu kutoka kwa hizi nyumba zote wala sio kwa hii nyumba moja tuu.

**AGRICULTURAL ACTIVITIES**

*Filename: hh04.sav Key variable: hhid*

**Q 2.1** How many acres in total land holdings does the household own? \_\_\_\_\_ **tacres**

**(Instructions: The following refer to the main season fields only. Enter the field ID from the crop table as the response. If there is no difference between best and worst fields, then enter 0. For Question 3.2, if there is only one maize field, enter -889.)**

<b>Q 3.1</b> Which of the fields has the <b>best soil</b> for raising <b>maize</b> ? _____ <b>pr1a</b>	Which has the <b>worst soil</b> for raising <b>maize</b> ? _____ <b>pr1b</b>
<b>Q 3.2</b> Which of the <b>maize</b> fields provides the <b>best yield response</b> to <b>fertilizer</b> ? _____ <b>pr2a</b>	Which field has the <b>worst yield response</b> to <b>fertilizer</b> ? _____ <b>pr2b</b>
<b>Q 3.3</b> Which field will <b>absorb rain</b> water well? _____ <b>pr3a</b>	Which field does the <b>worst at absorbing rain water</b> ? _____ <b>pr3b</b>
<b>Q 3.4</b> Which field is the <b>flattest or most level</b> ? _____ <b>pr4a</b>	Which field is <b>the least flat or least level</b> ? _____ <b>pr4b</b>
<b>Q 3.5</b> Which field <b>retains the moisture best</b> during <b>dry periods</b> ? _____ <b>pr5a</b>	Which field retains the <b>least moisture</b> during <b>dry periods</b> ? _____ <b>pr5b</b>

**Labour Costs**

**Q 4.1a.** In total, how much did you spend on **salaried** farm worker(s) for **cropping** activities in the **main** season? \_\_\_\_\_ **(Ksh) salfwrk1**  
**(Remember to consider only the proportion of time spent specifically on cropping activities in the main season.)**

**Q 4.1b.** In total, how much did you spend on **salaried** farm worker(s) for **cropping** activities in the **short** season? \_\_\_\_\_ **(Ksh) salfwrk2**

**Q 6.** What **year** did this household **first use hybrid maize seed** (Enter 0 if household never used hybrid seed)? \_\_\_\_\_ **yearhymz**

**Q 7.** Is anyone in this household a **member** of any **co-operative or group**? 1 = Yes 2 = No \_\_\_\_\_ **grpmem**

**Q7a.** If Q7 = 1 (Yes), indicate **which cooperatives** the household belongs to? Specify up to 3 cooperatives. \_\_\_\_\_ **grpmem1**  
 1=producer cooperatives                      3=savings & credit cooperatives                      2=multi-purpose cooperatives                      \_\_\_\_\_ **grpmem2**  
 4=informal/self help groups                      5=others (specify)                      6=Kenya Women Finance Trust                      \_\_\_\_\_ **grpmem3**

**Q 8.** What year did this household **first use fertilizer** on crops (code=0 if never used fertilizer): \_\_\_\_\_ **yearfert**

**Q 9.** Did you purchase any fertilizer using **OWN** cash in the past year (between June 2003/May 2004)? \_\_\_\_\_ **purfert**  
 1 = yes 2 = No → **go to Q 11** 3 = not sure → **go to Q 11**

**Q 11.** Did you **try to obtain** any **credit** (either cash or in kind) in 2003/2004? 1 = yes 2 = no 3 = not sure \_\_\_\_\_ **credtry**  
**(If 2=no or 3=not sure go to Q 13)**

**Q 12.** **If yes**, for what purpose: 1=school fees, 2=medical, 3=household needs, 4=farming, 5=other. 6=business, 7=buy land  
 8= construction \_\_\_\_\_ **credwhy1**  
**(Specify up to 2 purposes)** \_\_\_\_\_ **credwhy2**

**Q 13.** During 2003/2004 cropping year did you **receive credit** in cash or in kind? 1 = yes 2 = no 3 = not sure \_\_\_\_\_ **credrecv**

**Q 14.** Did you receive **credit for agricultural production** (either cash or in kind) in the 12 months (since June 2003)? \_\_\_\_\_ **credag**  
 1 = yes 2 = no

**Q 15** If you **did** receive **agricultural credit** this past year, were you **able to pay** the **credit back**? \_\_\_\_\_ **payback**  
 1=yes 2=no 3=not yet but I am planning 4=refused to answer 5=other: \_\_\_\_\_

**MAIZE STOCKS**

**Q 16** How many 90 kg bags of **maize** did you have **in stock** from **your own production** just **before** you began **harvesting** your 2003/2004 main season maize crop (Jan-March 2004 for East; July-Aug 2003 for West; Nov-Dec 2003 for R, Valley)? \_\_\_\_\_ (bags) **bagsstk**

**Q 17** How many 90 kg bags of **maize** do you have **in stock** right **now** from the last harvest? \_\_\_\_\_ (bags) **bagstk04**  
**(Instructions: record "NA" if the household did not plant maize.)**

**Q 18** **IF Q 17 = 0** (no bags), in which **month** and **year** did you run out of maize stocks from your own production? \_\_\_\_\_ (month) **mthfin04**  
 Month codes: 1=Jan, 2=Feb, 3=Mar, 4=Apr, 5=May, 6=Jun, 7=July, 8=Aug, 9=Sept, 10=Oct, 11=Nov, 12=Dec  
 -9 – Information could not be obtained \_\_\_\_\_ (year) **yrfin04**

**INFRASTRUCTURE (Distance should be recorded in kilometres, Km)**

**Q 19. Distances from your homestead**

- a. How far are you from where you buy **fertilizer**? **fertkm** \_\_\_\_\_ -889 – does not buy
- b. How far are you from the nearest **fertilizer seller**? **fertskm** \_\_\_\_\_ -889 – don't know
- c. How far are you from where you buy **hybrid maize seed**? **seedskm** \_\_\_\_\_ -889 – does not buy
- d. How far are you from the nearest seller of **hybrid maize seed**? **certmaiz** \_\_\_\_\_ -889 – don't know

**Q 20 Distances from your homestead to these places**

- a) How far are you from a **motorable road**?
- b) How far are you from a **tarmac road**?
- c) Is the nearest **tarmac** road better, worse or the same as in 2000?
- d) Has the location to the nearest **shopping centre changed** since 2000?  
**d1) If d)=2 (no)**, what was the matatu/bus fare to this centre in 2000?
- e) What is the current matatu/bus fare to this same centre?  
**e1) What is the current distance in km to this same centre?**
- f) How far are you from a **matatu/bus stop**?
- g) How far are you from **piped water**?
- h) How far are you from a **health centre**?
- i) How far are you from **electricity**?
- j) How far are you from **public telephone services**?
- k) How far are you from **mobile telephone services**?
- l) How far are you from **extension advice**?
- m) How far are you from **veterinary help**?

- dmtroad** \_\_\_\_\_
- dtmroad** \_\_\_\_\_
- ctmroad** \_\_\_\_\_ 1=better, 2=worse, 3=the same, 4=not sure
- Shopchng** \_\_\_\_\_ 1 = yes → go to q20e, 2 = no
- fare00** \_\_\_\_\_ (ksh - enter -889 if no matatu/bus goes there)
- fare04** \_\_\_\_\_ (ksh - enter -889 if no matatu/bus goes there),  
**0 walks to shopping center**
- dist04** \_\_\_\_\_
- dm3stop** \_\_\_\_\_
- dph2o** \_\_\_\_\_
- dhlctr** \_\_\_\_\_
- dlect** \_\_\_\_\_
- dtelep** \_\_\_\_\_
- dmobile** \_\_\_\_\_
- dextn** \_\_\_\_\_
- dvet** \_\_\_\_\_

**PURCHASES**

We would like to know the prices of sifted maize flour and other fertilizer in this area.

**(Instructions:** Ask the price of the item and record the price and unit of measure for the price. If the unit of measure for the fertilizer questions is a **50 kg bag**, you do not need to ask section b of questions 22 through 25. If the respondent does not know the price of a “50 kg bag”, record -887, do not know. These questions refer to a “**50 kg bag**” and NOT the “quantity” of 50 kgs. (If the respondent does not know the price of an item in any unit record -887.)

- |   | <u>Price</u>                | <u>Unit</u>          |
|---|-----------------------------|----------------------|
| <b>Q 21a</b> What is the price of <b>sifted maize flour</b> in this area? (record the price and unit of measure)              | (ksh): _____ <b>sifted</b>  | _____ <b>usifted</b> |
| <b>(Instruction:</b> Do not ask this question if the unit given for sifted maize flour is 2 kg packet.)                       |                             |                      |
| <b>Q21b</b> What is the price of a <b>2 kg</b> packet of <b>sifted maize</b> flour in this area? (-887 = <b>Do not know</b> ) | (ksh): _____ <b>psifted</b> |                      |
| <b>Q 22.</b> What is the price of <b>DAP</b> in this area? (record the price and unit of measure)                             | (ksh): _____ <b>dap</b>     | _____ <b>udap</b>    |
| <b>(Instruction:</b> Do not ask this question if the unit given for DAP is a 50 kg bag.)                                      |                             |                      |
| <b>Q22b</b> What is the price of a <b>50 kg bag</b> of <b>DAP</b> in this area? (-887 = <b>Do not know</b> )                  | (ksh): _____ <b>pdap</b>    |                      |
| <b>Q 23.</b> What is the price of <b>urea</b> in this area? (record the price and unit of measure)                            | (ksh): _____ <b>urea</b>    | _____ <b>uurea</b>   |
| <b>(Instruction:</b> Do not ask this question if the unit given for urea is a 50 kg bag.)                                     |                             |                      |
| <b>Q23b</b> What is the price of a <b>50 kg bag</b> of <b>urea</b> in this area? (-887 = <b>Do not know</b> )                 | (ksh): _____ <b>purea</b>   |                      |

**Q 24.** What is the price of **NPK(20:20:0)** in this area? (record the price and unit of measure) (ksh): \_\_\_\_\_ **npk** \_\_\_\_\_ **unpk**

**(Instruction:** Do not ask this question if the unit given for NPK(20:20:0) is a 50 kg bag.)

**Q24b** What is the price of a **50 kg bag** of **NPK(20:20:0)** in this area? (-887 = **Do not know**) (ksh): \_\_\_\_\_ **pnpk**

**Q 25.** What is the price of **CAN** in this area? (record the price and unit of measure) (ksh): \_\_\_\_\_ **can** \_\_\_\_\_ **ucan**

**(Instruction:** Do not ask this question if the unit given for CAN is a 50 kg bag.)

**Q25b** What is the price of a **50 kg bag** of **CAN** in this area? (-887 = **Do not know**) (ksh): \_\_\_\_\_ **pcan**

**UNIT CODE:**

1 = 90 kg bag	6=bunches	19 = 2 kg packet
2=kgs	7=handfuls	20 = 5 kgs
3=litre	9=gorogoro	21 = 10 kgs
4=crates	11 = 50 kg bag	22 = 25 kgs
5=numbers	12=debe	-887 = don't know
	13=grams	
	18 = 1 kg packet	

**LIVESTOCK**

**Q 28.a.** How much milk, on average, does your household consume per day, whether from home production, purchases or receipts (litres)? \_\_\_\_\_ **mlkcon**

**Q 28.b.** In total over the 12 months (June 2003 to May 2004), how much did you spend on **veterinary services** for your **cattle**, including tick control, vaccines, veterinary and AI/bull services? \_\_\_\_\_ (Ksh) **vetserv**

**Q 29.** In total over the 12 months (June 2003 to May 2004), how much did you spend on **salaried farm workers** for your **cattle**? (**Remember to consider only the proportion of time spent on the specific cattle activities.**) \_\_\_\_\_ (Ksh) **sallvstk**

**Q 30.** In total over the 12 months (June 2003 to May 2004), how much did you spend on **purchased feed** for your **cattle**, for example, fodder, concentrates, salt, minerals, etc? \_\_\_\_\_ (Ksh) **animfeed**

**Q 31.1** How many cows on average were being milked at any one time over the year, June 2003 – May 2004? \_\_\_\_\_ **cowmilk**

**PREVIOUS DEATHS**

**Q32.4.1** Since May 2000 or May 2002, has there been anyone-child or adult member of the household-who died? **1=yes 2=no** \_\_\_\_\_ **memdied**

**LABOR AND LAND**

- Q 36** What is the **daily wage rate** for **general farm labor** in this area? (Ksh per day): \_\_\_\_\_ **wagerate**
- Q 37** For this wage, what is the **typical number** of hours **worked per day**? (Hours): \_\_\_\_\_ **hours**
- Q 38** What is the **land rental rate for one acre of good quality land for one year** in this area? (Ksh per acre): \_\_\_\_\_ **lrry**
- Q 39** What is the **land rental rate for one acre of good quality land for one season** in this area? (Ksh per acre): \_\_\_\_\_ **lrrs**
- Q 40** Posho mill charge for 1 gorogoro (2.25 kg) of maize into straight posho meal? (Ksh per 2 kg tin): \_\_\_\_\_ **poshor**
- Q41.** What year did the head of this household become head of the household (and assume control of his own land)? \_\_\_\_\_ **yearland**
- Q 42.** Over the **past 10 years** (from 1994), have the following **situations improved, become worse, or stayed about the same.**

	1 = improved 2 = same 3 = worse 4 = don't know	
Health care in this area		<b>hlthcare</b>
Education in this area		<b>educ</b>
Local government - Council services in this area		<b>locgov</b>
Opportunities to sell maize in this area		<b>sellmaiz</b>
Opportunities to buy fertilizer in this area		<b>buyfert</b>
Availability of water in this area		<b>water</b>
Security in this area		<b>security</b>
Household well-being in this area		<b>well_be</b>

**Q 43** Assume a **government project** were to be developed to **grow crops during the off-season when there is less to do**. If the project wanted to **hire people** from this area to work for **TWO months during the off-season**, working **6 hours a day, 5 days a week**, would you **personally be willing to work for the full 2-month period** earning a **wage rate** of:

- 15 = *Ksh 400/day*
- 14 = *Ksh 360/day*
- 13 = *Ksh 320/day*
- 12 = *Ksh 280/day*
- 11 = *Ksh 240/day*
- 10 = *Ksh 200/day*
- 9 = *Ksh 180/day*
- 8 = *Ksh 160/day*
- 7 = *Ksh 140/day*
- 6 = *Ksh 120/day*
- 5 = *Ksh 100/day*
- 4 = *Ksh 80/day*
- 3 = *Ksh 60/day* <----- *Start at this level (go up and down depending on response)*
- 2 = *Ksh 40/day*
- 1 = *Ksh 20/day*
- 99 = *No, I would not do this work for any of these wage rates*

\_\_\_\_\_ **howpay**

**Q 44** (**Instructions:** Rate how you think the family's economic condition compares to most households in this area.)

- 1=better off
- 2=worse off
- 3=about the same

\_\_\_\_\_ **ecompare**

**Ask the respondent:**

**Q 45** Is your family better off, worse off, or about the same as most households in this area?

- 1=better off
- 2=worse off
- 3=about the same

\_\_\_\_\_ **compare**

Comments field to document unusual values in this household level file.

\_\_\_\_\_ **comment**

**Q1. CROP INVENTORY (FIELD CROPS, FRUIT TREES, AND VEGETABLES):**

incrop04.sav Key variables: hhid, crop

**We would now like to find out what field crops, tree crops, and vegetable crops you produced for all harvests for this past year, the 2003/2004 year**

Field Crop	Did you <i>produce</i> this crop during either main or small harvest? -889 = yes	Vegetable/Fruit (non-tree)	Did you <i>produce</i> this vegetable during either main or small harvest? -889 = yes	Tree/Fruit Crop Tcrop04.sav	How many <i>productive</i> trees do you own? 0=none <i>or</i> enter number
crop	numprod	Crop	numprod	crop	numprod
<i>Instructions: Prompt the respondent for each of these crops .... Instructions: Prompt the respondent for each of these crops ... Instructions: Prompt the respondent for each of these crops</i>					
beans	7	cabbage	93	avocado	97
cassava	28	carrot	94	banana	10
cowpeas	21	capsicum/sweet peppers	67	Coffee, any type	11
Irish potatoes	27	chilie peppers	131	Guava	72
maize	1	indigenous vegs	140	lemons	74
millet	9	onions	96	mango	73
sorghum	8	pumpkin	76	orange	75
sugar cane (ind)	15	snow peas	90	passion fruit	137
sweet potato	43	spinach	66	pawpaw	70
wheat	13	sukuma wiki	64	pineapples	133
yams	81	tomatoes	63	Tea	12
<i>Instructions: probe for any other crops from this list, using the regional list of important crops ... .Instructions: probe for any other crops from this list, using the regional list of important crops</i>					
arrowroots	44	brinjals/biriganya	129	Apples	119
barley	60	cauliflower	175	cashew nuts	24
bulrush millet	169	cowpea leaves	19	coconuts, all types	23
caster oil	146	cucumber	125	Dates (figs)	192
corn flower	168	eggplant	71	Lugard	118
cotton	14	french beans	25	macadamia	135
flowers	20	runner beans	171	matomoko	120
fodder	22	garlic onion	138	Miraa	148
green grams	34	gourds	62	mkunga	197
groundnuts	33	grapes	179	mkuyu	196
njahi	147	green peas	167	Nathi	165
oats	32	green maize	2	peaches	166
pigeon peas	141	okra	77	Pears	134
pyrethrum	17	other leaves	184	Plums	121
rice	31	squash	124	pomegranate	178
sisal	16	strawberries	177	simsim	78
soyabeans	160	sugar beets	187	Stafali	190
sunflower	30	sugarcane (chewing)	170	tamarind	3
tobacco	29	sweet melon	68	tangerine	136
		turnips	161	tree tomato	162
		yellow passion fruit (mero)	95	trees, commercial	5
		watermelon	69	white suppoise	163
				wild berries	149
				zambarao	174

**Alphabetically arranged crop codes:**

amaranthus	140			mulberry	122	sorghum	8
apple	119	eggplant	71	mushrooms	79	soyabeans	160
arrowroots	44					spinach	66
avocado	97	flowers	20	nathi	165	squash	124
		fodder	22	njahi	147	stefali	190
bananas	10	French beans	25			strawberries	177
barley	60			oats	32	sugar beets	187
beans	7	garlic onion	138	okra	77	sugarcane	15
brinjals/biriganya	129	gourds	62	onions	96	sugarcane, chewing	170
bulrush millet	169	grapes	179	oranges	75	sukuma wiki	64
		green beans	18	other leaves (bean,njahi)	184	sunflower	30
cabbage	93	green grams	34			sweet melon	68
capsicum/sweet peppers	67	green peas	167	passion fruit	137	sweet potato, leaves	42
carrots	94	green peas, dried	164	pawpaws	70	sweet potatoes	43
cashew nuts	24	groundnuts	33	peaches	166		
cassava	28	guava	72	pears	134	tamarind	3
castor oil	146			pepper, bell	65	tangawizi	189
cauliflower	175	indigenous vegs	140	pigeon peas	141	tangerine	136
chillie peppers	131	indigenous grains	139	pigeon peas, green	142	tea	12
coconuts	23	Irish potatoes	27	pineapples	133	tobacco	29
coconuts, dried	194			plums	121	tomatoes	63
coconuts, green	193	lemons	74	pomegranite	178	tree tomato	162
coffee, cherries	6	lettuce	173	poyo	35	trees, commercial	5
coffee, churned	176	lugard	118	pumpkin	76	turnips	161
coffee, mbuni	11			pumpkin leaves	172		
corn, baby	26	macadamia nuts	135	pyrethrum	17	watermelon	69
corn flower	168	maize, dry	1			wheat	13
cotton	14	maize, green	2	rice	31	white suppoise	163
cowpeas	21	mangos	73	runner beans	171	wild berries	149
cowpeas leaves	19	matomoko	120				
cucumber	125	millet	9	saina	36	yams	81
		miraa	148	simsim	78	yellow passion fruit(mero)	95
dates	192	mkunga	197	sisal	16		
dhania	183	mkuyu	196	snow peas	90	zambarao	174







**Instructions:** Ask about total labour inputs from the two (2) largest MAIZE fields (either intercrop or pure stand). Look at Table 2.2 to determine which fields these are and record the field number in each of the appropriate tables. Two pages are provided for each field. If a household has only one maize field, then the second field should be the largest non-maize field. Please fill in the total hours later, by adding all the values in the hours columns. Make sure you inquire about and include all gang labour.

**Q 4.2 and 4.3.** What labour inputs have you used for the **largest maize field** for the 2003/2004 main season and for the **second largest maize field**.

labour04.sav Key variables: hhid, sizefld, field, crop, activity

Field size 1= largest 2=2 <sup>nd</sup> largest	FIELD # (copy # from Table 2.2)	Crop	Labor activity	Hired Labour				Family Labour (adults)							Family Labour (children)				Com- ments											
				# hired	# of days	Kshs per person per day	Total Kshs by contract	# of males	# of hours each	Total Hours	# of females	# of hours each	Total Hours	# of children	# of hours each	Total hrs														
sizefld	field	crop	activity	lb01	lb02	lb03	lb04	lb05							lb06	lb07							lb08	lb09					lb10	comment

ACTIVITY CODES					
1=nursery for vegs/tea	10=mulching	87=stooking/transport/harvest	47=threshing/bagging	63=shelling/post harvest dusting	43=stacking
2=terracing	11=1 <sup>st</sup> weeding	22=harvesting	57=threshing & drying	27=total sheller cost	44=crushing
3=slash/burn/bush clearing	55=1 <sup>st</sup> weeding & top dressing	51=harvest & haul to storage	68=thresh/winnow/dust/bag /store	110=sorting	96=leaf removal
4=1 <sup>st</sup> plough	76=weed/top dress	52=harvest & dry	62=winnowing	28=post harvest dusting	97=thrush lining
5=2 <sup>nd</sup> plough	77=weed/mulch	46=harvest/thresh/winnow	40=winnowing & dusting	29=drying	98=uprooting stem
32=3 <sup>rd</sup> ploughing	12=top dressing	66=harvest/thresh/winnow/ba	60=winnowing & bagging	30=bagging	99=peeling
6=harrow	13=irrigation/watering	g	82=winnow/grade	59=drying & bagging	100=fire break
7=ridging	90=irrigation/plough	56=harvest/shell/bag	889=winnow/dust/bag	91=sort/bag	101=mixing
8=furrowing	14=2 <sup>nd</sup> weeding	93=harvest/sort	24=grading	54=bag & store	102=loading
85=plough/plant	15=propping/wiring/desuckering	80=harvest/bag	25=haul to storage	74=weigh/bag	103=sewing bags
86=landprep/planting	16=3 <sup>rd</sup> weeding	75=harvest/transport	58=haul to storage/bagging	38=dusting & bagging	104=collecting herd pens
9=planting (include manuring and holing)	33=4 <sup>th</sup> weeding	72=harvest/shelling	26=shelling labour	64=weigh/bag/post harvest dusting	105=cutting stover
53=planting & manuring	17=pruning	78=harvest/grade/bag	95=shell/winnow/store	65=dust/bag/store	106=maintenance
37=furrow/plant	81=prune/mulch	79=harvest/grade/pack/haul	41=shelling & bagging	67=dust/store	107=milling
8=holing	18=dusting	61=threshing	45=shell/bag/sort	31=other(specify)	108=logging
34=manuring	19=spraying	23=threshing and winnowing	69=shell/bag/store	35=fertilizing	109=grafting
92=manure/holing	20=stooking	94=thresh/winnow/store	84=shell/store	36=transport	111=grinding
73=clear/manure	21=watchman	49=thresh/winnow/bag	50=shell/bag/dusting	39=thinning	
	48=stooking & harvesting	70=thresh/store	83=shell/haul to storage	42=fencing	
		71=thresh/bag/store			

**USE OF MAIZE SEED, FERTILIXZER AND CREDIT**

**Q 5. Indicate the types of maize seed planted in the main and short seasons: (Instructions: Refer back to the crop table and copy the field numbers and seasons, where maize was planted, to this table. Then ask the questions.)**

**MaizeSeed04.sav** Key variables: season, field, sdvar

Season 1=Main 2=Short	Field No.	Maize seed varieties planted  Use code below.	Seed Type 1=Purchased hybrid 2=Retained hybrid 3=Purchased OPV 4=Retained OPV 5=Purchased local variety 6=Retained local variety	How did you obtain this seed?  1=Cash purchase 2=Credit 3=Exchange 4=Free 5=Retained seed	Quantity used on this particular field		Cash or Credit Cost		Exchange Cost.  Estimate the value of any in-kind costs of the seed (Ksh)	Comments
							<i>If seed is on credit get the costs the farmer will actually be charged not what he/she has already paid. Enter either the total value or the price in the same unit as the quantity</i>			
							Total value	Price per unit		
season	field	sdvar	sdtype	sdobtain	qty	units	value	price	exchcost	comment

**Seed Variety Code:**

- 1=614
- 2=611
- 3=622
- 4=623
- 5=625
- 6=627
- 7=628
- 8= 511
- 9=512
- 10=513
- 11=Pioneer,
- 12=CG 4141
- 13=CG 5051
- 14=CG 5252
- 15=Pan 5195

- 16=Pan 5355
- 17=Pan 5243
- 18=Pan 99
- 19=Maseno DC
- 20=DLC
- 21=DH1
- 22=DH2
- 23=DH3
- 24=DH4
- 25=Katumani
- 26=PH1
- 27=PH2
- 28=Coast Composite
- 29=Indigenous/Local type
- 30=Other \_\_\_\_\_ (specify)
- 31=Don't know

- 32=514
- 33=613
- 34=626
- 35=636
- 36=9401
- 37=Kinyanya
- 38=Makueni
- 39=PH4
- 40=Western Seed 699
- 41=Western Seed 904
- 42=612
- 43=Pan67
- 44=Monsanto
- 45=Western Seed
- 46=Faida Seed 650
- 47=GM (genetically modified) seed

- 48=Rwanda
  - 49=Pan 691
  - 50=PH 1033
  - 51=DK 8071
  - 52=629
  - 53=621
- Unit Code:**
- 1 = 1 Kgs
  - 2 = 2 Kgs
  - 3 = 5 Kgs
  - 4 = 10 Kgs
  - 5 = 25 Kgs
  - 9=gorogoro

**USE OF FERTILIZER**

**Q 10.** If you purchased any fertilizer using **OWN** cash in the past year (between June 2003/May 2004), what **types** of fertilizer and other inputs did you purchase/hire with your **OWN cash**? (Instructions: for inputs that are not fertilizers, please limit the question to **maize** fields **only**)

**Tfert04.sav** Key variables: *hhid inputype, fertsrce, punit*

<b>Input codes:</b> 1=DAP 2=MAP 3=TSP 4=SSP 5=NPK (20:20:0) 6=NPK (17:17:0) 7=NPK (25:5:+5S) 8=CAN (26:0:0) 9=ASN (26:0:0) 10=UREA (46:0:0) 11=SA (21:0:0) 12=Other (specify)____ 13=Manure 14=Foliar feeds 15=NPK (23:23:23) 16=NPK (20:10:10) 17=DAP + CAN 19=Magmax Lime 20=DSP 21=NPK (23:23:0)	22=pesticide 23=insecticide 24=herbicide 25=plough 26=sprayer 27= AT equip 28=land preparation 29=technical support 30=fungicide 31=water 32=other (specify) 33=NPK (22:6:12) 34=Mavuno 35=Kero green 36=planting 37=harvesting 38=transport 39=shelling 40=fuel 41=gunny bags 42=ridging	<b>Fertilizer Source (Instructions: fill for only fertilizers)</b> <b>Source codes:</b> 1=small trader/stockist 2=large company 3=KTDA 4=coffee coop 5=other coop 6=farmer 8=NGO 9-KFA 10=other (specify) 11=relative	<b>Amount Purchased</b>  numpur	<b>Unit Type</b> <b>Unit codes:</b> 2=kg 3=litre 4=gram 5=5 kg bag 6=10 kg bag 7= 25 kg bag 10=tonnes 11=50 kg bag 14=w/barrow 15=cart 16=days 17=number	<b>Price per unit specified</b>  inputpr	<b>Kms from point of purchase to farm (Instructions: fill for only fertilizers)</b>  fertkm	<b>Transport Cost per Unit of the fertilizer (KShs) (Instructions: fill for only fertilizers)</b>  trancost	comments  comment

**Q 14.1** If you received credit for agricultural production, which inputs did you receive on credit? (**Instructions:** if more than one fertilizer is mentioned, place each on a separate row but code both as fertilizer.)

**input04.sav** Key variables: *hhid, input, credkind, amtinput, inpunit, inpvalue*

Input type received or bought on credit		Type of Credit	Quantity Received or Bought	Unit of Input	Value of Input per Unit Specified	Credit Source	How is the credit repaid?	comments
				inpunit		inpvalue		
1=fertilizer	15=livestock	1=cash credit 2=in kind		1=90 kg bag		1=AFC	1=crop revenue 2=livestock revenue 3=off farm income 4=both livestock and crop revenue	
2=seed/seedlings	16=fungicide			11=50 kg bag		2=commercial bank		
3=pesticide	17=water			2=kgs		3=cooperative/SACCO		
4=insecticide	18=sacks			3=litre		4=KTDA		
5=herbicide	19=petrol			4=crates		5=sugar company		
6=plough	20=harvesting			5=numbers		6=local private trader		
7=sprayer	21=planting			6=bunches		7=large company		
8= AT equip	22=transport fee			9=gorogoro (2 kg)		8=NGO/MFI		
9=land preparation	23=weeding			10=days of support		9=informal money lender		
10=technical support	24=cash money			11=50 kg bag		10=friend/relative		
11=livestock drugs	30=assets					11=other (specify)		
12=livestock feed	31=buying land					12=ROSCA (rotating savings and credit assoc)		
13=other farming activity (specify) _____	32=renting land							
14=compost mixture	33=construction of farm structures							
	34=fencing							
	35=broilers							
<b>input</b>		<b>credkind</b>	<b>amtinput</b>	<b>inpunit</b>	<b>inpvalue</b>	<b>incred</b>	<b>inppaid</b>	<b>comment</b>



**EXPENDITURES**

**Q 27 Expenditures on food items: over the past 30 days.**

consumpt04.sav Key variables: hhid, fooditem

Food Item	Did the HH purchase this item over the PAST 30 DAYS?  1 = yes 2 = no— >go to JANPUR	If your household purchased this item during the PAST 30 DAYS							Thinking back to January 2004, what was the approximate quantity purchased of this item (same unit code)  (Instructions: If the household did not purchase this item in the past 30 days, record the unit of measure in UNITPUR.)	Total kgs purchased in January	What was the total expenditure on this item in January 2004? (KShs)	Comments
		Where did HH purchase most of this product?  See purchase location codes bottom next page	TOTAL Quantity purchased by hh over the past 30 days? (see unit codes below)				ANSWER ONLY ONE					
			Quantity	Unit	Conversion value to convert to kgs	Total kgs purchased, past 30 days	Most common price HH paid for this item over past 30 days? (Ksh/unit) <i>Instructions:</i> Use same unit as for purchases)	TOTAL EXPENDITURE on this item over the past 30 days				
fooditem	purch	locpur	qntpur	unitpur	kgconver	totkgs	price	totexp	janpur	kgsjan	jtotexp	comment
<b>Vegetables:</b>												
Irish Potatoes	26											
Tomatoes	28											
Cabbage	29											
Sukuma wiki	30											
Carrots	31											
Onions	32											
<b>Fruits:</b>												
Bananas (ripe)	34											
Cooking Bananas	35											
Avocado	36											
Oranges	37											
Pawpaws	38											
Mangoes	39											

**Purchase Location Codes:**

1=Large Supermarket Chains (Uchumi, Nakumatt, Ukwala, Tusker)  
2=small supermarket (not a chain)  
3=Duka /Shop  
4=Green grocer (building with concrete/stone walls, electricity -- permanent construction)  
5=Market

6=Hawker (seller with no physical sales infrastructure)  
7=Kiosk or Kibanda (non-permanent construction)  
8=Milk bars  
9=Dairy plant

10=Butchery  
11=Neighbour  
12=Posho mill  
13=Restaurant  
14=Other (specify)\_\_\_\_  
15=Institutions

**Unit Codes**

1=90 kg bag  
2=kgs  
3=litre  
4=crates  
5=numbers  
6=bunches  
7=handfuls  
9=gorogoro  
10= 2 kg packets  
11=50 kg bag  
12= 1 kg packets  
13=grams  
14=debe  
15=tray

**LIVESTOCK 2003-2004**Please tell us about your *livestock* activities over the 12 months, June 2003-May 2004**Lstslid04.sav** Key variables: *hhid, livecode*

Livestock code		Number Owned June 2003	Number Purchased	Unit Price at Purchase (Ksh)	Number Consumed	Number Sold	Average Unit Price When Sold (Ksh)	Number owned May 2004	Current Value Per Unit (Ksh)	Comments
livecode		numown	purch	uprice	consume	sold	avgpric	nmay04	curval	comment
Grade cow	1									
Grade bull	4									
Grade calves	7									
Cross cow	2									
Cross bull	5									
Cross calves	8									
Local cow	3									
Local bull	6									
Local calves	9									
Sheep	10									
Goat	11									
Chicken	12									
Ducks/Geese	13									
Turkeys	14									
Pigs	15									
Rabbits	16									
Camels	17									
Doves/Quail	18									

**Q 31.2** Now we would like to talk about the *livestock products* you produced during the past year.

**lstprd04.sav** Key variables: *hhid, liveprod*

Reference period: *June 2003 – May 2004*

Livestock Product	Number of months of production per year	Average production/month	Unit of Production.	Number of months of sales per year	Average Amount sold /month	Price received /Unit (Kshs) on the largest sale	Buyer type of largest sale	comments
			1 Kgs 2 Litres 3 Trays 5 Numbers				1=Cooperative societies 2=K.C.C. 3=Private processors/traders 4=Hawker 5=Institutions/Hotels 6=Consumer/Neighbor/Farmer 7=Other (specify)	
liveprod	mnthprod	avgprod	unit	mnthsold	qtysold	price	buyer	comment
Milk	1							
Eggs	2							
Honey	3							
Ghee	4							
Hides and skin	5							
Fish (if have fish ponds)	6							
Other (specify):	7							
Goat milk	8							
Wool	9							
Manure	10							
Broilers	11							

**Q 32: DEMOGRAPHIC CHARACTERISTICS OF HOUSEHOLD MEMBERS**

Q32.1 TAMPA households: Adults born on or before 1989 (15 years and above). Include new or additional adult members in TABLE 32.2.

USAID households: Use this table for all adult household members, leave the additional members table empty and fill the children table in, starting at MEM # 51.

**Instructions:** Ask all questions of the head and spouse for the household regardless of how many months they were living at home.

*DemogA04.sav Key variables: hhid, mem*

**Reference Period: The Past 12 months** June 2003 to May 2004

ID	Name	In which year was this person born?  <i>Note: it should bein or earlier than 1989</i>	What is the sex of .... ?  <i>1=male 2=female</i>	Relation-ship to current head  <i>See code below</i>	Marital Status  <i>See codes below</i>	Is ..... attending formal school?  <i>1 = Yes 2 = No</i>	What is the highest level of education ...completed?  <i>See codes below</i>	Is this person currently considered a member of this household?  <i>1=Yes -&gt; Go to DA09 2=No</i>	If this person is not a member of this household anymore, why?  <i>See code below</i>	How many months in the past 12 months has this person been living at home?  <i>If DA09 = 0 months, then go to next member</i>	Did this person receive cash from a formal or informal business activity between June 2003 & May 2004?  <i>1=Yes 2=No</i>	Did this person receive cash or payment in kind from salaried employment, wage activities, remittances, or pensions between June 2003 & May 2004?  <i>1=Yes 2=No</i>	Has this person been chronically ill for any 3 month period in the last 12 months and unable to perform hh duties?  <i>1= Yes 2= No</i>	comments
mem	name	da01	da02	da03	da04	da05	da06	da07	da08	da09	da10	da11	da12	comment
1														
2														
3														
4														
5														
6														
7														

**Relationship to head (da03)**

- 1= head
- 2= spouse
- 3= own child
- 4= step child
- 5= parent
- 6= brother/sister
- 7= nephew/niece

- 8= son/daughter-in-law
- 9= grandchild
- 10=other relative
- 11=unrelated
- 12=brother/sister-in-law
- 13=parent-in-law

**Marital Status (da04)**

- 1 = single
- 2 = monogamously married
- 3 = polygamously married
- 4 = divorced
- 5 = widowed
- 6 = separated
- 7 = other (specify)
- 8 = do not know

**Education levels (da06)**

- 0=None
- 1-14 for years completed
- 20=some college
- 21=some university
- 22=completed college
- 23=completed university
- 24=postgraduate

**Reason for absence (da08)**

- 1=left to find a job
- 2=left to attend school
- 3=married away
- 4=deceased
- 5=divorced/separated
- 6=living with other relatives

- 7=other (specify)
- 8=went back home
- 9=another household
- 10=farm worker left
- 11=went missing

**Q 32.2 Additional Adults Now Resident but not Listed in 2000 or 2002 and born on or before 1989 (15 years and above)**

DemogA\_A04.sav Key variables: hhid, mem

Reference Period: The Past 12 months June 2003 to May 2004

ID	Name	In which year was this person born?  <i>Note: it should be in or earlier than 1989</i>	What is the sex of ....?  <i>1=male 2=female</i>	Relation-ship to current head  <i>See code below</i>	Marital Status  <i>See codes below</i>	Is ..... attending formal school?  <i>1 = Yes 2 = No</i>	What is the highest level of education .... completed ?  <i>See codes below</i>	What year did .... come to reside here?	How many months in the past 12 months has this person been living at home?	Was ..... a member of the hh in 2000 or 2002?  <i>1 = Yes-&gt; Go to AD11 2 = No</i>	Why did this new member join the household?  <i>See code below</i>	Before coming to reside in this hh, was ..... engaged in  <i>1 = yes, 2 = no</i>			After coming to reside in this household			Comments
												Formal or informal business activity	Formal sector salary employment	Farming somewhere else	Did this person receive cash from a formal or informal business activity between June 2003 & May 2004?  <i>1=Yes 2=No</i>	Did this person receive cash or payment in kind from salaried employment, wage activities, remittances, or pensions between June 2003 & May 2004?  <i>1=Yes 2=No</i>	Has this person been chronically ill for any 3 month period in the last 12 months and unable to perform hh duties?  <i>1= Yes 2= No</i>	
mem	name	ad01	ad02	ad03	ad04	ad05	ad06	ad07	ad08	ad09	ad10	ad11	ad12	ad13	ad14	ad15	ad16	comment
31																		
32																		
33																		

Relationship to head (ad03)	Marital Status (ad04)	Education levels (ad06)	New hh member (ad10)
1= head 2= spouse 3= own child 4= step child 5= parent 6= brother/sister 7= nephew/niece 8= son/daughter-in-law 9= grandchild 10=other relative 11=unrelated 12=brother/sister-in-law 13=parent-in-law	1 = single 2 = monogamously married 3 = polygamously married 4 = divorced 5 = widowed 6 = separated 7 = other (specify)	0=None 1-14 for years completed 20=some college 21=some university 22=completed college 23=completed university 24=postgraduate	1=married into the family 2=returned to hh to help with ___ activities 3=returned to the hh because he/she is sick 4=hh member missed during 2000 or 2002 survey 5=lost parents 6=fostered 7=specify(other) 8=farm worker 9=attend school 10=separated/divorced 11=death of spouse 12=ran away from home 13=lost job 14=inherited household 15=live with relatives

**Q 32.3 Children.** What are the names of all usual household members below 15 years old (born after 1989)?

**Instructions:** Copy the names and MEM number of the children from the information sheet who were present in 2000 or 2002. If there are new children, start numbering MEM with 51.

*DemogC04.sav* Key variables: hhid, mem

**Reference Period: The Past 12 months** June 2003 to May 2004

ID	Name	Which year was .... born?	What is the sex of .....?	What is the relationship of ..... to the current head?	Is ..... attending formal school? <i>1 = Yes 2 = No</i>	What is the highest level of education ..... completed? <i>See codes below</i>	How many months in the past 12 months has this person been living at home?	Is the biological mother of ..... alive? <i>1 = Yes 2 = No → Go to DC09 3 = Don't know</i>	Is the biological mother of ..... a member of this household? <i>1 = Yes 2 = No → Go to DC09</i>	IF DC07 = 1, record the mem # of the mother from tables above	Is the biological father of ..... alive? <i>1 = Yes 2 = No → Go to DC11 3 = Don't know</i>	Is the biological father of ..... a member of this household? <i>1 = Yes 2 = No → Go to DC11</i>	If DC09 = 1, record the mem # of the father from tables above	Has ..... been chronically ill for any 3 month period in the last 12 months? <i>1 = Yes 2 = No</i>	Is this person alive? <i>1 = yes 2 = no</i>	Comments
mem	name	dc01	dc02	dc03	dc04	dc05	dc06	dc07	dc08	dc08a	dc09	dc10	dc10a	dc11	dc_died	comment

**Relationship to head (dc03)**

- 1= head
- 2= spouse
- 3= own child
- 4= step child
- 5= parent
- 6= brother/sister
- 7= nephew/niece
- 8= son/daughter-in-law

**Education levels (dc05)**

- 0=None
- 1-14 for years completed
- 9= grandchild
- 10=other relative (specify)
- 11=unrelated
- 12=brother/sister-in-law

**Q 32.4 Previous deaths within the household (Since May 2002 or May 2000 (if not interviewed in 2002))**

Follow the script below to help you to lead into the table on previous deaths.

“As you know, we have been following your family's progress since 1997. We are interested to know what has happened with individual members of your family. For example, we know from some households we have already visited that some of their members have moved to towns or got jobs in other places away from home. Some households have also lost members who have passed away. All this information helps us to understand your situation / well-being as we strive to advise policy makers on ways to better rural livelihoods. Looking at information you've already told us, you have indicated that “(actual number)” or “no” members have passed away in the last 12 months. (If members have passed away, then say) We would like to ask you just a few questions about these people. (If members have NOT passed away, then say the following Are they any members who came to the household after the last time we interviewed you, who have passed away before June 2004? (If yes) We would like to ask you just a few questions about these people. For USAID households, ask all these questions since May 2002.

**32.4.2** Please tell us about them starting from the most recent.

*Mort04.sav* Key variables: *hhid, pdmem*

**Reference Period: Since May 2002 or May 2000 (if not interviewed in 2002)**

Person New ID	Person MEM  Copy MEM # from Table 32.1, 32.2 or 32.3	Write the Name	What was the sex of the deceased?  1=Male 2=Female	In which year did this person die?  Enter year e.g., 2002	In which month did this person die?  See codes below	In which year was this person born?  Enter year e.g., 1997	What was the cause of death?  See codes below If PD05 = 14 up to 19, go to PD12	Ask for the symptoms this person had. Keep prompting for possible answers.  1=yes 2=no						Was ..... the household head at the time of his/her death?  1= Yes, go to PD14 2= No	What was .....’s relationship to person who was head of the household AT THE TIME he/she died?  See codes below	What was .....’s relationship to the CURRENT head of the household?  See codes below	What was the highest level of education ..... completed?  See codes below
								Chronic diarrhoea	Fever for 1 week	Substantial weight loss	Skin rash	Thrush, frothy mouth, mouth infection	Cough				
PDMEM	MEM	Name	PD01	PD02	PD03	PD04	PD05	PD06	PD07	PD08	PD09	PD10	PD11	PD12	PD13	PD14	PD15
1																	
2																	
3																	
4																	

**Month (pd03)**

- 1 = January
- 2 = February
- 3 = March
- 4 = April
- 5 = May
- 6 = June
- 7 = July
- 8 = August
- 9 = September
- 10 = October
- 11 = November
- 12 = December

**Cause of death (pd05)**

- 1 = Pneumonia
- 2 = Malaria
- 3 = TB
- 4 = Chronic diarrhoea
- 5 = Meningitis
- 6 = Anaemia
- 7 = Fits
- 8 = Mental illness
- 9 = Heart disease
- 10 = Chest pains
- 11 = Stomach disease
- 12 = Stroke
- 13 = HIV/AIDS
- 14 = Accident
- 15 = Suicide
- 16 = Murdered
- 17 = Snake bites
- 18 = Old age
- 19 = Other sudden death within 4 days
- 20 = Don't know
- 21 = Other (specify)
- 22 = Cancer
- 23 = Asthma
- 24 = Diabetes
- 25 = Yellow fever, typhoid, measles, cholera
- 26 = Birth – miscarriage
- 27 = Kwashokor
- 28 = Miscellaneous
- 29 = Alcohol

**Relationship to head (pd13, pd14)**

- 1 = head
- 2 = spouse
- 3 = own child
- 4 = step child
- 5 = parent
- 6 = brother/sister
- 7 = nephew/niece
- 8 = son/daughter-in-law
- 9 = grandchild
- 10 = other relative
- 11 = unrelated
- 12 = brother/sister-in-law
- 13 = parent-in-law

**Education levels (pd15)**

- 0=None
- 1-12 for years completed
- 20=some college
- 21=some university
- 22=completed college
- 23=completed university
- 24=postgraduate

**Q 33. Business and informal labour activities.**

We would like to know about all the off-farm income earning activities, including share dividends, your household was involved in, **except salaried employment pensions and remittances**. Please list the names of all persons from the demography table who indicated they had engaged in a business or informal labour activity, then enter their corresponding person code From the list below, please list all the informal income earning activities for which this person had primary responsibility at any time during the past during June 2003-May 2004 (include jua kali and farm kibarua).

**Hhinc04.sav** Key variables: *hhid, mem, activity*

Person name	Person code	Activity Code	Please classify each month's net earnings as:												Low earnings month		Average earnings month		High earnings month		Total business income	comments	
			0=none			1=low			2=average			3=high			Gross	Cost	Gross	Cost	Gross	Cost			
			6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04									lgross
name	mem	activity	jun	jul	aug	sep	oct	nov	dec	jan	feb	mar	apr	may	lgross	lcost	agross	acost	hgross	hcost	totbus	comment	

<b>informal income earning codes</b>	9 =Clothes/shoes business (trading) 51=Cobbler 10=Curio trader 11=Dealing ropes/sisal/firewood 12=Driver 13=Earning dividends 14=Electrician 72=Income from another farm 7 =Farm kibarua 15=Fish trading 44=Hair dresser / barber 16=Harrowing 70= Harvesting	17=Hawker 57=Hiring out a bull 18=Jaggery 49=Laundry business 19=Livestock trader 20=Local brewing 42=Lumbering/wood cutting 21=Making pots 22=Masonry 23=Matatu business 41=Medical health business 24=Mining	54=Nurse 68=Pet breeder 25=Photography 63=Pit latrine digger 26=Planting 27=Ploughing 47=Plumber 28=Posho miller 29=Rental of properties 30=Retail shop/kiosk/shopkeeping 53=Sand harvesting 43=School business	31=Selling mandasi cakes/bread/cook 32=Selling water 69=Sheep shearer 33=Spraying 50=Surveyor 34=Tailor 65=Teacher, part time 61=Thatching grass 35=Timber trading 59=Tour guide 36=Tout 37=Traditional doctor	38=Transporter (goods) 55=Tree seller, commercial 52=Vehicle mechanic 45=Veterinary doctor 67=Video business 56=Village elder 39=Weaving 40=Welding/painting/blacksmith 66=Wine tapper 71=Other (specify) _____ 73=hotel 74=non-agricultural business 75=casual worker
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**Q 34. Salaried wage employment/permanent employment activities**

We would now like to talk about all *salaried employment* that anyone in your household engaged in during the past months from June 2003 to May 2004 including **pensions and remittances**. Include only income remitted back to household.

*Salwg04.sav* Key variables: *hhid, mem, activity*

Person code	Person name  Please list the names of all persons from the demography table who indicated they had engaged in <i>salaried employment activities</i> , then enter their corresponding person code	From the list below, please list all the <i>salaried employment activities</i> in which this person was engaged at any time during the past 12 months	What is this person's current monthly wage?  Kshs	Did this person earn this same monthly wage during all of the past 12 months?  1=yes (go to next activity) 2=no	If the person did <i>not</i> earn the same wage during all 12 months, please indicate the wage earned for each month individually (Kshs)												Total Salary income	Comments
					<i>Skip this section if person received the same monthly wage during the whole year</i>													
mem	name	activity	mnwage	samewage	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	totsal	comment

<b>Wage labor codes</b> 38=Accountant 18= Banker/receptionist 1 =Cane cutter 34=Carpenter/mason 2 =Chief 20=Civil leader 23=Cleaner 3 =Clerk 35=Committee member 25=Conductor	4 =Driver 5= Doctor 40=Electrician 36=Engineer 6 =General farm worker 7 =House help 8 =Industrial worker 33=Lab attendant 21=Lecturer/tutor 30=Lumber 19=Manager	39=Mechanic 28=Messenger 9 =Nurse 27=Pastor/religious services 10=Pension 11=Policeman/woman 12=Remittance 22=Road constructor 13=Sales person 31=Secretary 24=Shop keeper/attendant	29=Subordinate civil services 32=Surveyor 41=Tailor 14=Tea picker 15=Teacher 26=Veterinary doctor 16=Waiter/cook 17=Watchman 42=Other (specify) _____ 43=Welding 44=Butcher	45=Craftsman/artisan 46=Extension agent 47=Hair saloon 49=Cook/caterer 50=Administrator 51=Construction 52=Fishing 53=Plumber/battery charger/barber 54=Technician 55=Caretaker/groundsman 56=Equipment operator	57=Soldier 58=Lawyer 59=Postmaster 60=Miller 61=Forester 62=Sports/coach 63=Research 64=Petrol seller
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