



Africa Centre Demographic Information System (ACDIS)

Dataset Documentation

HSE - Households, 2011

Change History

Who

Colin Newell

When

1st July 2011

What

Original

Postal: PO Box 198, Mtubatuba 3935, South Africa
Physical: Africa Centre, R618 en route to Hlabisa, Somkhele
Tel.: +27 (0)35 550 7500
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welcometrust

Dataset name	HSE8 (2011) Households
Description	<p>Round 8 of the HSE (Household Socio-Economic) survey, conducted during Jan – Jun 2011, is defined as having occurred during <i>DSRound</i> 24. Hence variable <i>DSRound</i> in this dataset is a constant 24. There are no duplications of Household in the dataset, so <i>HHIntId</i> is a unique identifier.</p> <p>The survey was almost identical to the HSE5, 6 and 7 surveys and hence much shorter than in HSE 3 and HSE4</p> <p>All households with a current Residency in a Bounded Structure are eligible for the HSE questionnaires.</p>
Rows/Units of analysis	Households
Unique identifier(s)	HHIntId (i.e. Household)
Approx. number of rows	11,409 approx

Household Socio-economic Form

DSRound **24** Type:A WeekBlock:BB07 BSID **41421**

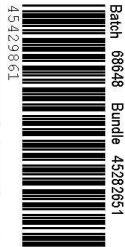
HSE

Version 6.1, 20 Dec 2010
2011-07-01 08:38:50

Section 1. Household Identification	
BSID 41421	Visit Ref.# <input type="text"/>
WeekblockName Type:A WeekBlock:BB07	HH ID: AA
Infomant DSID <input type="text"/>	Staff Member <input type="text"/>
Visit Date: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Supervised? Yes <input type="checkbox"/> No <input type="checkbox"/>

Section 2. Operational Information
Refused Form? Yes <input type="checkbox"/> > FORM COMPLETE

Section 3. Household Information																																																																																																																																																					
<p>1. What is the most often used source of drinking water in the household? <small>(Tick one only)</small></p> <table style="width: 100%;"> <tr> <td>Piped - internal <input type="checkbox"/></td> <td>Well non-borehole <input type="checkbox"/></td> </tr> <tr> <td>Piped - Public tap/kiosk (free) <input type="checkbox"/></td> <td>Protected spring <input type="checkbox"/></td> </tr> <tr> <td>Piped - Public tap/kiosk (paid) <input type="checkbox"/></td> <td>Water carrier or tanker <input type="checkbox"/></td> </tr> <tr> <td>Borehole <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Rainwater <input type="checkbox"/></td> <td>Don't know <input type="checkbox"/></td> </tr> <tr> <td>Flowing river/stream <input type="checkbox"/></td> <td>Refused <input type="checkbox"/></td> </tr> <tr> <td>Dam/stagnant water <input type="checkbox"/></td> <td></td> </tr> </table> <p>2. What kind of toilet does the household use? <small>(Tick one only)</small></p> <table style="width: 100%;"> <tr> <td>Flush toilet <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>VIP <input type="checkbox"/></td> <td>None <input type="checkbox"/></td> </tr> <tr> <td>Other pit latrine <input type="checkbox"/></td> <td>Don't know <input type="checkbox"/></td> </tr> <tr> <td>Bucket toilet <input type="checkbox"/></td> <td>Refused <input type="checkbox"/></td> </tr> <tr> <td>Chemical toilet <input type="checkbox"/></td> <td></td> </tr> </table> <p>3. Is the household connected to an electricity supply? <small>(Tick one only)</small></p> <table style="width: 100%;"> <tr> <td>Yes <input type="checkbox"/></td> <td>Don't know <input type="checkbox"/></td> </tr> <tr> <td>No <input type="checkbox"/></td> <td>Refused <input type="checkbox"/></td> </tr> </table> <p>4. What is the main fuel used for cooking? <small>(Tick one only)</small></p> <table style="width: 100%;"> <tr> <td>Wood <input type="checkbox"/></td> <td>Electricity from generator <input type="checkbox"/></td> </tr> <tr> <td>Gas (LPG) <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Coal <input type="checkbox"/></td> <td>Don't know <input type="checkbox"/></td> </tr> <tr> <td>Electricity from solar energy <input type="checkbox"/></td> <td>Refused <input type="checkbox"/></td> </tr> <tr> <td>Electricity from grid <input type="checkbox"/></td> <td></td> </tr> </table>	Piped - internal <input type="checkbox"/>	Well non-borehole <input type="checkbox"/>	Piped - Public tap/kiosk (free) <input type="checkbox"/>	Protected spring <input type="checkbox"/>	Piped - Public tap/kiosk (paid) <input type="checkbox"/>	Water carrier or tanker <input type="checkbox"/>	Borehole <input type="checkbox"/>	Other <input type="checkbox"/>	Rainwater <input type="checkbox"/>	Don't know <input type="checkbox"/>	Flowing river/stream <input type="checkbox"/>	Refused <input type="checkbox"/>	Dam/stagnant water <input type="checkbox"/>		Flush toilet <input type="checkbox"/>	Other <input type="checkbox"/>	VIP <input type="checkbox"/>	None <input type="checkbox"/>	Other pit latrine <input type="checkbox"/>	Don't know <input type="checkbox"/>	Bucket toilet <input type="checkbox"/>	Refused <input type="checkbox"/>	Chemical toilet <input type="checkbox"/>		Yes <input type="checkbox"/>	Don't know <input type="checkbox"/>	No <input type="checkbox"/>	Refused <input type="checkbox"/>	Wood <input type="checkbox"/>	Electricity from generator <input type="checkbox"/>	Gas (LPG) <input type="checkbox"/>	Other <input type="checkbox"/>	Coal <input type="checkbox"/>	Don't know <input type="checkbox"/>	Electricity from solar energy <input type="checkbox"/>	Refused <input type="checkbox"/>	Electricity from grid <input type="checkbox"/>		<p>5. Is the owner of this Bounded Structure a member of this household? <small>(Tick one only)</small></p> <table style="width: 100%;"> <tr> <td>Yes <input type="checkbox"/></td> <td>No <input type="checkbox"/></td> <td>Don't know <input type="checkbox"/></td> <td>Refused <input type="checkbox"/></td> </tr> </table> <p>6. Does the household have any of the following items in good working order? <small>(Tick Yes or No for each item)</small></p> <table style="width: 100%; text-align: center;"> <thead> <tr> <th></th> <th>Yes</th> <th>No</th> <th></th> <th>Yes</th> <th>No</th> <th></th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td>Telephone</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Video recorder/DVD player</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Table and chairs</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Cellphone</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Radio/stereo</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Sofa or sofa set</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Primus Cooker, Sikeni</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Sewing machine</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Kitchen sink</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Electric hot plate</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Block maker</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Car battery for electricity</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Electric stove with oven</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Car or bakkie</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Wheelbarrow</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Gas cooker</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Motorcycle or scooter</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Hoe, spade or garden fork</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Frige or freezer</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Bicycle</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Bed nets</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Electric kettle</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Kombi, lorry or tractor</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Cattle</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Television</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Bed</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Other livestock (chickens etc)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table> <p>7. Has any resident member of the household been a victim of any of these crimes during the past 12 months? <small>[Tick all that apply]</small></p> <table style="width: 100%;"> <tr> <td>Theft <input type="checkbox"/></td> <td>Murder <input type="checkbox"/></td> <td>None <input type="checkbox"/></td> <td>Refused <input type="checkbox"/></td> </tr> <tr> <td>Assault <input type="checkbox"/> <small>(incl. Sexual assault)</small></td> <td>Other crime <input type="checkbox"/></td> <td>Don't know <input type="checkbox"/></td> <td></td> </tr> </table> <p>8. How would this household classify its financial situation these days? <small>[Tick only one]</small></p> <p>Would you say it is very comfortable, comfortable, just getting by, poor, or extremely poor?</p> <table style="width: 100%;"> <tr> <td>Very Comfortable <input type="checkbox"/></td> <td>Just getting by <input type="checkbox"/></td> <td>Extremely poor <input type="checkbox"/></td> <td>Refused <input type="checkbox"/></td> </tr> <tr> <td>Comfortable <input type="checkbox"/></td> <td>Poor <input type="checkbox"/></td> <td>Don't know <input type="checkbox"/></td> <td></td> </tr> </table>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Don't know <input type="checkbox"/>	Refused <input type="checkbox"/>		Yes	No		Yes	No		Yes	No	Telephone	<input type="checkbox"/>	<input type="checkbox"/>	Video recorder/DVD player	<input type="checkbox"/>	<input type="checkbox"/>	Table and chairs	<input type="checkbox"/>	<input type="checkbox"/>	Cellphone	<input type="checkbox"/>	<input type="checkbox"/>	Radio/stereo	<input type="checkbox"/>	<input type="checkbox"/>	Sofa or sofa set	<input type="checkbox"/>	<input type="checkbox"/>	Primus Cooker, Sikeni	<input type="checkbox"/>	<input type="checkbox"/>	Sewing machine	<input type="checkbox"/>	<input type="checkbox"/>	Kitchen sink	<input type="checkbox"/>	<input type="checkbox"/>	Electric hot plate	<input type="checkbox"/>	<input type="checkbox"/>	Block maker	<input type="checkbox"/>	<input type="checkbox"/>	Car battery for electricity	<input type="checkbox"/>	<input type="checkbox"/>	Electric stove with oven	<input type="checkbox"/>	<input type="checkbox"/>	Car or bakkie	<input type="checkbox"/>	<input type="checkbox"/>	Wheelbarrow	<input type="checkbox"/>	<input type="checkbox"/>	Gas cooker	<input type="checkbox"/>	<input type="checkbox"/>	Motorcycle or scooter	<input type="checkbox"/>	<input type="checkbox"/>	Hoe, spade or garden fork	<input type="checkbox"/>	<input type="checkbox"/>	Frige or freezer	<input type="checkbox"/>	<input type="checkbox"/>	Bicycle	<input type="checkbox"/>	<input type="checkbox"/>	Bed nets	<input type="checkbox"/>	<input type="checkbox"/>	Electric kettle	<input type="checkbox"/>	<input type="checkbox"/>	Kombi, lorry or tractor	<input type="checkbox"/>	<input type="checkbox"/>	Cattle	<input type="checkbox"/>	<input type="checkbox"/>	Television	<input type="checkbox"/>	<input type="checkbox"/>	Bed	<input type="checkbox"/>	<input type="checkbox"/>	Other livestock (chickens etc)	<input type="checkbox"/>	<input type="checkbox"/>	Theft <input type="checkbox"/>	Murder <input type="checkbox"/>	None <input type="checkbox"/>	Refused <input type="checkbox"/>	Assault <input type="checkbox"/> <small>(incl. 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Section 3. Household Information (Continue)

<p>9. In the last 12 months (since month/year) did you or any other adults in your household ever cut the size of your meals or skip meals because there wasn't enough money for food?</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/> Refused <input type="checkbox"/> → Skip to section 4</p> <p>9a. How often did this happen?</p> <p>Almost every month <input type="checkbox"/></p> <p>Some months, but not every month <input type="checkbox"/></p> <p>Only one or two months <input type="checkbox"/></p> <p>Refused <input type="checkbox"/></p>	<p>10. In the last 12 months (since month/year) did you or any other adults in your household ever not eat for a whole day because there wasn't enough money for food?</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/> Refused <input type="checkbox"/> → Skip to section 4</p> <p>10a. How often did this happen?</p> <p>Almost every month <input type="checkbox"/></p> <p>Some months, but not every month <input type="checkbox"/></p> <p>Only one or two months <input type="checkbox"/></p> <p>Refused <input type="checkbox"/></p>	<p>11. In the last 12 months (since month/year) did you ever cut the size of the children's meal or did the children ever skip a meal because there wasn't enough money for food?</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/> Refused <input type="checkbox"/> → Skip to section 4</p> <p>11a. How often did this happen?</p> <p>Almost every month <input type="checkbox"/></p> <p>Some months, but not every month <input type="checkbox"/></p> <p>Only one or two months <input type="checkbox"/></p> <p>Refused <input type="checkbox"/></p>
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Section 4. Individual information

<p style="text-align: center;">Education</p> <p style="text-align: center;">Ask all aged 6 years and over</p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 33%;">1 Highest Grade completed at school <small>Tick one</small></td> <td style="width: 33%;">2 Highest level of education completed after school <small>Tick one</small></td> <td style="width: 33%;">3 Is currently in full-time or part-time education? <small>Tick one</small></td> </tr> </table>	1 Highest Grade completed at school <small>Tick one</small>	2 Highest level of education completed after school <small>Tick one</small>	3 Is currently in full-time or part-time education? <small>Tick one</small>	<p style="text-align: center;">Employment</p> <p style="text-align: center;">Ask all aged 18 years and over</p> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 33%;">4 In employment? <small>Tick one</small></td> <td style="width: 33%;">5 Is self-employed or an employee? <small>Tick one</small></td> <td style="width: 33%;">6 If not doing anything to earn money, then what is ___ doing? <small>Tick all that apply</small></td> </tr> </table>	4 In employment? <small>Tick one</small>	5 Is self-employed or an employee? <small>Tick one</small>	6 If not doing anything to earn money, then what is ___ doing? <small>Tick all that apply</small>	<p style="text-align: center;">Grants</p> <p style="text-align: center;">7 Does ___ receive any Government Grant? <small>Tick one</small></p>																																																			
1 Highest Grade completed at school <small>Tick one</small>	2 Highest level of education completed after school <small>Tick one</small>	3 Is currently in full-time or part-time education? <small>Tick one</small>																																																									
4 In employment? <small>Tick one</small>	5 Is self-employed or an employee? <small>Tick one</small>	6 If not doing anything to earn money, then what is ___ doing? <small>Tick all that apply</small>																																																									
<p>Surname80397, FN180397</p> <p>LSGC-N</p> <p>Sex FEM</p> <p>Age 58</p>	<table style="width: 100%;"> <tr> <td style="width: 33%;">Grade <input type="checkbox"/> (1-12)</td> <td style="width: 33%;">None <input type="checkbox"/></td> <td style="width: 33%;">Yes, Full-time <input type="checkbox"/></td> </tr> <tr> <td>or</td> <td>Certificate <input type="checkbox"/></td> <td>Yes, Part-time <input type="checkbox"/></td> </tr> <tr> <td>Never <input type="checkbox"/></td> <td>Diploma <input type="checkbox"/></td> <td>No <input type="checkbox"/></td> </tr> <tr> <td>Less than 1 year <input type="checkbox"/></td> <td>Bachelors degree <input type="checkbox"/></td> <td>Don't know <input type="checkbox"/></td> </tr> <tr> <td>Don't know <input type="checkbox"/></td> <td>Bachelors + Diploma <input type="checkbox"/></td> <td>Refused <input type="checkbox"/></td> </tr> <tr> <td>Refused <input type="checkbox"/></td> <td>Honours, Masters + <input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td>Don't know <input type="checkbox"/></td> <td></td> </tr> <tr> <td></td> <td>Refused <input type="checkbox"/></td> <td></td> </tr> </table>	Grade <input type="checkbox"/> (1-12)	None <input type="checkbox"/>	Yes, Full-time <input type="checkbox"/>	or	Certificate <input type="checkbox"/>	Yes, Part-time <input type="checkbox"/>	Never <input type="checkbox"/>	Diploma <input type="checkbox"/>	No <input type="checkbox"/>	Less than 1 year <input type="checkbox"/>	Bachelors degree <input type="checkbox"/>	Don't know <input type="checkbox"/>	Don't know <input type="checkbox"/>	Bachelors + Diploma <input type="checkbox"/>	Refused <input type="checkbox"/>	Refused <input type="checkbox"/>	Honours, Masters + <input type="checkbox"/>			Don't know <input type="checkbox"/>			Refused <input type="checkbox"/>		<table style="width: 100%;"> <tr> <td style="width: 33%;">Yes, Full-time <input type="checkbox"/></td> <td style="width: 33%;">Self-employed <input type="checkbox"/></td> <td style="width: 33%;">Studying <input type="checkbox"/></td> <td style="width: 33%;">Caring for sick/injured <input type="checkbox"/></td> </tr> <tr> <td>Yes, Part-time <input type="checkbox"/></td> <td>Employee <input type="checkbox"/></td> <td>Looking for work <input type="checkbox"/></td> <td>Retrenched <input type="checkbox"/></td> </tr> <tr> <td>No <input type="checkbox"/></td> <td>Don't know <input type="checkbox"/></td> <td>Retired <input type="checkbox"/></td> <td>Nothing (not looking) <input type="checkbox"/></td> </tr> <tr> <td>Don't know <input type="checkbox"/></td> <td>Refused <input type="checkbox"/></td> <td>Sick or injured <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Refused <input type="checkbox"/></td> <td></td> <td>Pregnant or caring for own children <input type="checkbox"/></td> <td>Don't know <input type="checkbox"/></td> </tr> <tr> <td></td> <td></td> <td>Caring for other children <input type="checkbox"/></td> <td>Refused <input type="checkbox"/></td> </tr> </table> <p style="text-align: center;">→ Go to Q6</p>	Yes, Full-time <input type="checkbox"/>	Self-employed <input type="checkbox"/>	Studying <input type="checkbox"/>	Caring for sick/injured <input type="checkbox"/>	Yes, Part-time <input type="checkbox"/>	Employee <input type="checkbox"/>	Looking for work <input type="checkbox"/>	Retrenched <input type="checkbox"/>	No <input type="checkbox"/>	Don't know <input type="checkbox"/>	Retired <input type="checkbox"/>	Nothing (not looking) <input type="checkbox"/>	Don't know <input type="checkbox"/>	Refused <input type="checkbox"/>	Sick or injured <input type="checkbox"/>	Other <input type="checkbox"/>	Refused <input type="checkbox"/>		Pregnant or caring for own children <input type="checkbox"/>	Don't know <input type="checkbox"/>			Caring for other children <input type="checkbox"/>	Refused <input type="checkbox"/>	<table style="width: 100%;"> <tr> <td style="width: 50%;">Yes, Child support <input type="checkbox"/></td> <td style="width: 50%;">Yes, Foster Care <input type="checkbox"/></td> </tr> <tr> <td>Yes, Disability (Care Dependency) <input type="checkbox"/></td> <td>Yes, Old Age Pension <input type="checkbox"/></td> </tr> <tr> <td>No, none <input type="checkbox"/></td> <td>Don't know <input type="checkbox"/></td> </tr> <tr> <td>Refused <input type="checkbox"/></td> <td></td> </tr> </table>	Yes, Child support <input type="checkbox"/>	Yes, Foster Care <input type="checkbox"/>	Yes, Disability (Care Dependency) <input type="checkbox"/>	Yes, Old Age Pension <input type="checkbox"/>	No, none <input type="checkbox"/>	Don't know <input type="checkbox"/>	Refused <input type="checkbox"/>	
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Refused <input type="checkbox"/>																																																											

HSE8 (2011) Households Dataset Variable List

Variable Name	Description	Source in ACDIS database	Format/Codes/Special values	Notes/comments
HHIntId	Household Internal Id	<i>HHStatusObservations.Household</i>	Integer	Unique within this dataset. Provides link to <i>Households</i> dataset
BSIntId	Bounded Structure Internal Id	<i>Visits.BoundedStructure</i>	Integer 1 – 17,000+ No missing or blank values	Provides link to <i>BoundedStructures</i> dataset
DSRound	DS Round No.	<i>Visits.DSRound</i>	Integer.	Constant 24 here.
VisitDate	Date of HSE Visit	<i>Events.AssignedDate</i> linked to Visit	Date January – June 2011	
Refused	Refused form?	<i>HHStatusObservations.Refused</i>	Y Yes N No	
DrinkWaterSource1	What is the most often used source of drinking water in the household?	<i>HHStatusObservations.DrinkWaterSource1</i>	3-letter code. See next variable for full labels WEL Well FLR Flowing river PPF Piped public (free) etc	
DrinkWaterSource1Name	Label associated with previous variable	<i>WaterSources.Name</i>	Text string	
ToiletType	What kind of toilet does the HH use?	<i>HHStatusObservations.ToiletType</i>	3-letter code. See next variable for full labels BKT Bucket FLT Flush toilet OPL Other pit latrine etc	
ToiletTypeName	Label associated with previous variable	<i>ToiletTypes.Name</i>	Text string	

HSE8 (2011) Households Dataset Variable List

Variable Name	Description	Source in ACDIS database	Format/Codes/Special values	Notes/comments
IsElectrified	Is this household connected to an electricity supply?	<i>HHStatusObservations. IsElectrifiedI</i>	Y Yes N No U Don't know X Not applicable	
MainCookingFuel	What s the main fuel used for cooking?	<i>HHStatusObservations. MainCookingFuel</i>	3-letter code. See next variable for full labels. GRI Electricity from grid WOO Wood LPG Bottled gas Etc	
MainCookingFuelName	Label associated with previous variable	<i>EnergySources.Name</i>	Text string	
IsHouseOwnedByMember	Is the owner of the BS a member of this Household?	<i>HHStatusObservations. IsHHOwnedByMember</i>	Y Yes N No U Don't know X Not applicable	
BDN	Does the household have any of the following items in good working order? Bed net	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'BDN' exists	0 No or No answer 1 Yes	
BED	Doe HH have ... Bed	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'BED' exists	As above	
BIC	Doe HH have ... Bicycle	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'BIC' exists	As above	
BLM	Doe HH have ... Blockmaker	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'BLM' exists	As above	
CAR	Doe HH have ... Car	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'CAR' exists	As above	
CBE	Doe HH have ... Car battery	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'CBE' exists	As above	

HSE8 (2011) Households Dataset Variable List

Variable Name	Description	Source in ACDIS database	Format/Codes/Special values	Notes/comments
CTL	Doe HH have ... Cattle	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'CTL' exists	As above	
ECO	Doe HH have ... Electric cooker with oven	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'ECO' exists	As above	
EHP	Doe HH have ... Electric hotplate	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'EHP' exists	As above	
EKT	Doe HH have ... Electric kettle	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'EKT' exists	As above	
FRG	Doe HH have ... Fridge	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'FRG' exists	As above	
GCK	Doe HH have ... Gas cooker	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'GCK' exists	As above	
HSF	Doe HH have ... Hoe/Spade/Fork	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'HSF' exists	As above	
KLT	Doe HH have ... Kombi/Lorry/Tractor	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'KLT' exists	As above	
KTS	Doe HH have ... Kitchen sink	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'KTS' exists	As above	
MCS	Doe HH have ... Motorcycle	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'MCS' exists	As above	
OLS	Doe HH have ... Other livestock (i.e. not cattle)	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'OLS' exists	As above	
PMC	Doe HH have ... Primus cooker	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'PMC' exists	As above	
RAD	Doe HH have ... Radio	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'RAD' exists	As above	

HSE8 (2011) Households Dataset Variable List

Variable Name	Description	Source in ACDIS database	Format/Codes/Special values	Notes/comments
SOF	Doe HH have ... Sofa	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'SOF' exists	As above	
SWM	Doe HH have ... Sewing machine	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'SWM' exists	As above	
TBC	Doe HH have ... Table & Chairs	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'TBC' exists	As above	
TLL	Doe HH have ... Telephone	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'TLL' exists	As above	
TMB	Doe HH have ... Cellphone	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'TMB' exists	As above	
TVS	Doe HH have ... TV	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'TVS' exists	As above	
VCR	Doe HH have ... Video	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'VCR' exists	As above	
WBR	Doe HH have ... Wheelbarrow	<i>HHOwnedItems</i> where <i>HouseholdItem</i> = 'WBR' exists	As above	
AssetIndexQuintile	Wealth index as developed for use with Demographic & Health Survey data (Rutstein & Johnson, 2004)	<i>Derived from Assets BDN thru WBR plus DrinkWaterSource1, MainCookingFuel, ToiletType and IsElectrified using the PCA command in Stata</i>	Integer from 1 (poorest) to 5 (wealthiest)	See code at end of document for more details.
VictimOfTHF	Has any resident member of the household been a victim of any of these crimes during the past 12 months ...Theft	<i>HHStatusObservations.VictimOfTHF</i>	Y Yes N No /No answer	

HSE8 (2011) Households Dataset Variable List

Variable Name	Description	Source in ACDIS database	Format/Codes/Special values	Notes/comments
VictimOfASA	Victim of Assault	<i>HHStatusObservations.VictimOfASA</i>	As above	
VictimOfMUR	Victim of Murder	<i>HHStatusObservations.VictimOfMUR</i>	As above	
VictimOfNOO	Victim of No crime	<i>HHStatusObservations.VictimOfNOO</i>	As above	/* (Cally recodes to 'Y' if 'N' _and_ the others are all not 'Y' */
VictimOfOTH	Victim of Other	<i>HHStatusObservations.VictimOfOTH</i>	As above	
VictimOfDKN	Victim of Don't know	<i>HHStatusObservations.VictimOfDKN</i>	As above	
VictimOfRFS	Victim of Refused	<i>HHStatusObservations.VictimOfRFS</i>	As above	
PerceivedFinancialStatus	How would this Household classify its financial situation these days?	<i>HHStatusObservations.PerceivedFinancialStatus</i>	3-letter code. See next variable for full labels VCO Very comfortable ... JGB Just getting by ... POO Poor	
PerceivedFinancialStatusName	Label associated with previous variable	<i>FinancialSituations.Name</i>	Text String	
AdultMissedMealForFinReasons	7.2Q3 In last 12m did you or other adults in the household cut the size of your meals, or skip meals, because there wasn't enough money for food?	<i>HHStatusObservations.AdultMissedMealForFinReasons</i>	Y Yes N No U Don't know R Refused X Not applicable	

HSE8 (2011) Households Dataset Variable List

Variable Name	Description	Source in ACDIS database	Format/Codes/Special values	Notes/comments
AdultMissedMealOccurLevel	7.2Q4 Adults cut size of meals: How often?	<i>HHStatusObservations. AdultMissedMealOccurLevel</i>	3-letter codes. See next variable for full labels AEM Almost every month SME Some, but not every month OTM Only one or two months NAD Not applicable	Only answered if 'Yes' to previous Q
AdultMissedMealOccurLevelName	Label associated with previous variable	<i>OccurrenceLevels.Name</i>	Text String	
AdultMissedFoodForFinReasons	7.2Q5 In last 12m did you not eat for whole day ... not enough money...?	<i>HHStatusObservations. AdultMissedFoodForFinReasons</i>	Y Yes N No U Don't know R Refused X Not applicable	
AdultMissedFoodOccurrenceLevel	7.2Q6 Adults not eat for whole day: How often?	<i>HHStatusObservations. AdultMissedFoodOccurrenceLevel</i>	3-letter codes. See next variable for full labels AEM Almost every month SME Some, but not every month OTM Only one or two months NAD Not applicable	Only answered if 'Yes' to previous Q
AdultMissedFoodOccurLevelName	Label associated with previous variable	<i>OccurrenceLevels.Name</i>	Text String	
ChildMissedMealForFinReasons	7.2Q7 In last 12m did you cut/skip children's meal ... not enough money...?	<i>HHStatusObservations. ChildMissedMealForFinReasons</i>	Y Yes N No U Don't know R Refused X Not applicable	

HSE8 (2011) Households Dataset Variable List

Variable Name	Description	Source in ACDIS database	Format/Codes/Special values	Notes/comments
ChildMissedMealOccurLevel	7.2Q8 Children's meal cut/skip: how often?	<i>HHStatusObservations. ChildMissedMealOccurLevel</i>	3-letter codes. See next variable for full labels AEM Almost every month SME Some, but not every month OTM Only one or two months NAD Not applicable	Only answered if 'Yes' to previous Q
ChildMissedMealOccurLevelName	Label associated with previous variable	<i>OccurrenceLevels.Name</i>	Text String	

SQL

```
/*
<Author>Colin Newell</Author>
<Date>1 July 2011</Date>
<Category>HSE Survey Dataset</Category>
<Notes>
Requested by: Core HSE dataset

Request: View for main HSE dataset, Household data, Round 8 (DSRound 24, Jan - Jun 2011)
</Notes>
<ChangeHistory>
1 Jul 2011 Colin Newell Original coding (copied form 2009 version)

</ChangeHistory>
select count(*) from vacHSE8_2011_Households
*/
ALTER VIEW vacHSE8_2011_Households
AS
WITH hhres
AS (SELECT
    hr.Household,
    hr.BoundedStructure,
    se.AssignedDate as ResStartDate,
    ee.AssignedDate as ResEndDate,
    ee.Type as ResEndType
FROM HouseholdResidencies hr
LEFT JOIN Events se ON hr.StartEvent = se.IntId
LEFT JOIN Events ee ON hr.EndEvent = ee.IntId
)

SELECT
    hhso.Household AS HHIntId,
    v.BoundedStructure AS VisitBSIntId,
    hr.BoundedStructure AS ResidencyBSIntId,
    v.DSRound AS DSRound, -- Useless? Omit?
    ve.AssignedDate AS VisitDate,
    hhso.Refused, -- New for HSEv6

    hhso.DrinkWaterSource1 AS DrinkWaterSource1,
```

ws.Name AS DrinkWaterSource1Name,

hhso.ToiletType AS ToiletType,
tt.Name AS ToiletTypeName,

hhso.IsElectrified AS IsElectrified,

hhso.MainCookingFuel AS MainCookingFuel,
es.Name AS MainCookingFuelName,

hhso.IsHouseOwnedByMember AS IsHouseOwnedByMember,

```
CASE WHEN hhoibdn.Household IS NULL THEN 0 ELSE 1 END AS BDN, -- Bednet
CASE WHEN hhoibed.Household IS NULL THEN 0 ELSE 1 END AS BED, -- Bed
CASE WHEN hhoibic.Household IS NULL THEN 0 ELSE 1 END AS BIC, -- Bicycle
CASE WHEN hhoiblm.Household IS NULL THEN 0 ELSE 1 END AS BLM, -- Blockmaker
CASE WHEN hhoicar.Household IS NULL THEN 0 ELSE 1 END AS CAR, -- Car
CASE WHEN hhoicbe.Household IS NULL THEN 0 ELSE 1 END AS CBE, -- Car Battery
CASE WHEN hhoictl.Household IS NULL THEN 0 ELSE 1 END AS CTL, -- Cattle
CASE WHEN hhoieco.Household IS NULL THEN 0 ELSE 1 END AS ECO, -- Electric cooker with oven
CASE WHEN hhoiehp.Household IS NULL THEN 0 ELSE 1 END AS EHP, -- Electric hotplate
CASE WHEN hhoiekt.Household IS NULL THEN 0 ELSE 1 END AS EKT, -- Electric kettle
CASE WHEN hhoifrg.Household IS NULL THEN 0 ELSE 1 END AS FRG, -- Fridge
CASE WHEN hhoigck.Household IS NULL THEN 0 ELSE 1 END AS GCK, -- Gas cooker
CASE WHEN hhoihsf.Household IS NULL THEN 0 ELSE 1 END AS HSF, -- Hoe/Spade/Fork
CASE WHEN hhoiklt.Household IS NULL THEN 0 ELSE 1 END AS KLT, -- Kombi/Lorry/Tractor
CASE WHEN hhoikts.Household IS NULL THEN 0 ELSE 1 END AS KTS, -- Kitchen sink
CASE WHEN hhoimcs.Household IS NULL THEN 0 ELSE 1 END AS MCS, -- Motorcycle
CASE WHEN hhoiols.Household IS NULL THEN 0 ELSE 1 END AS OLS, -- Other livestock (i.e. not cattle)
CASE WHEN hhoipmc.Household IS NULL THEN 0 ELSE 1 END AS PMC, -- Primus cooker
CASE WHEN hhoirad.Household IS NULL THEN 0 ELSE 1 END AS RAD, -- Radio
CASE WHEN hhoisof.Household IS NULL THEN 0 ELSE 1 END AS SOF, -- Sofa
CASE WHEN hhoiswm.Household IS NULL THEN 0 ELSE 1 END AS SWM, -- Sewing machine
CASE WHEN hhoitbc.Household IS NULL THEN 0 ELSE 1 END AS TBC, -- Table & Chairs
CASE WHEN hhoitll.Household IS NULL THEN 0 ELSE 1 END AS TLL, -- Telephone
CASE WHEN hhoitmb.Household IS NULL THEN 0 ELSE 1 END AS TMB, -- Cellphone
CASE WHEN hhoitvs.Household IS NULL THEN 0 ELSE 1 END AS TVS, -- TV
CASE WHEN hhoivcr.Household IS NULL THEN 0 ELSE 1 END AS VCR, -- Video
CASE WHEN hhoiwbr.Household IS NULL THEN 0 ELSE 1 END AS WBR, -- Wheelbarrow
```

```

hhso.VictimOfTHF AS VictimOfTHF, -- Theft
hhso.VictimOfASA AS VictimOfASA, -- Assault
hhso.VictimOfMUR AS VictimOfMUR, -- Murder
hhso.VictimOfNOO AS VictimOfNOO, -- No crime (Cally recodes this to 'Y' if it is 'N' and the others are all not
'Y'
hhso.VictimOfOTH AS VictimOfOTH, -- Other
hhso.VictimOfDKN AS VictimOfDKN, -- Don't know
hhso.VictimOfRFS AS VictimOfRFS, -- Refused

hhso.PerceivedFinancialStatus AS PerceivedFinancialStatus,
fs.Name AS PerceivedFinancialStatusName,

hhso.AdultMissedMealForFinReasons AS AdultMissedMealForFinReasons,
hhso.AdultMissedMealOccurLevel AS AdultMissedMealOccurLevel,
ol1.Description AS AdultMissedMealOccurLevelName,

hhso.AdultMissedFoodForFinReasons AS AdultMissedFoodForFinReasons,
hhso.AdultMissedFoodOccuranceLevel AS AdultMissedFoodOccurLevel, -- Spelling corrections/abbr.
ol2.Description AS AdultMissedFoodOccurLevelName,

hhso.ChildMissedMealForFinReasons AS ChildMissedMealForFinReasons,
hhso.ChildMissedMealOccurLevel AS ChildMissedMealOccurLevel,
ol3.Description AS ChildMissedMealOccurLevelName
FROM HHStatusObservations hhso
LEFT JOIN Visits v ON hhso.Visit = v.IntId
LEFT JOIN Events ve ON hhso.Visit = ve.IntId

LEFT JOIN WaterSources ws ON hhso.DrinkWaterSource1 = ws.Code
LEFT JOIN ToiletTypes tt ON hhso.ToiletType = tt.Code
LEFT JOIN EnergySources es ON hhso.MainCookingFuel = es.Code
LEFT JOIN FinancialSituations fs ON hhso.PerceivedFinancialStatus = fs.Code

LEFT JOIN OccurrenceLevels ol1 ON hhso.AdultMissedMealOccurLevel = ol1.Code
LEFT JOIN OccurrenceLevels ol2 ON hhso.AdultMissedFoodOccuranceLevel = ol2.Code
LEFT JOIN OccurrenceLevels ol3 ON hhso.ChildMissedMealOccurLevel = ol3.Code

LEFT JOIN HHOwnedItems hhoibdn ON hhso.Household = hhoibdn.Household
AND hhso.Visit = hhoibdn.Visit

```

```

        AND hhoibdn.HouseholdItem = 'BDN' -- Bednet

LEFT JOIN HHOwnedItems hhoibed ON hhso.Household = hhoibed.Household
        AND hhso.Visit = hhoibed.Visit
        AND hhoibed.HouseholdItem = 'BED' -- Bed

LEFT JOIN HHOwnedItems hhoibic ON hhso.Household = hhoibic.Household
        AND hhso.Visit = hhoibic.Visit
        AND hhoibic.HouseholdItem = 'BIC' -- Bicycle

LEFT JOIN HHOwnedItems hhoiblm ON hhso.Household = hhoiblm.Household
        AND hhso.Visit = hhoiblm.Visit
        AND hhoiblm.HouseholdItem = 'BLM' -- Blockmaker

LEFT JOIN HHOwnedItems hhoicar ON hhso.Household = hhoicar.Household
        AND hhso.Visit = hhoicar.Visit
        AND hhoicar.HouseholdItem = 'CAR' -- Car

LEFT JOIN HHOwnedItems hhoicbe ON hhso.Household = hhoicbe.Household
        AND hhso.Visit = hhoicbe.Visit
        AND hhoicbe.HouseholdItem = 'CBE' -- Car battery

LEFT JOIN HHOwnedItems hhoictl ON hhso.Household = hhoictl.Household
        AND hhso.Visit = hhoictl.Visit
        AND hhoictl.HouseholdItem = 'CTL' -- Cattle

LEFT JOIN HHOwnedItems hhoieco ON hhso.Household = hhoieco.Household
        AND hhso.Visit = hhoieco.Visit
        AND hhoibdn.HouseholdItem = 'ECO' -- Electric oven

LEFT JOIN HHOwnedItems hhoiehp ON hhso.Household = hhoiehp.Household
        AND hhso.Visit = hhoiehp.Visit
        AND hhoiehp.HouseholdItem = 'EHP' -- Electric hotplate

LEFT JOIN HHOwnedItems hhoiekt ON hhso.Household = hhoiekt.Household
        AND hhso.Visit = hhoiekt.Visit
        AND hhoiekt.HouseholdItem = 'EKT' -- Electric kettle

LEFT JOIN HHOwnedItems hhoifrg ON hhso.Household = hhoifrg.Household

```

```

        AND hhso.Visit = hhoifrg.Visit
        AND hhoifrg.HouseholdItem = 'FRG' -- Fridge

LEFT JOIN HHOwnedItems hhoigck ON hhso.Household = hhoigck.Household
        AND hhso.Visit = hhoigck.Visit
        AND hhoigck.HouseholdItem = 'GCK' -- Gas cooker

LEFT JOIN HHOwnedItems hhoihsf ON hhso.Household = hhoihsf.Household
        AND hhso.Visit = hhoihsf.Visit
        AND hhoigck.HouseholdItem = 'HSF' -- Hoe/spade/fork

LEFT JOIN HHOwnedItems hhoiklt ON hhso.Household = hhoiklt.Household
        AND hhso.Visit = hhoiklt.Visit
        AND hhoiklt.HouseholdItem = 'KLT' -- Kombi/Lorry/Tractor

LEFT JOIN HHOwnedItems hhoikts ON hhso.Household = hhoikts.Household
        AND hhso.Visit = hhoikts.Visit
        AND hhoikts.HouseholdItem = 'KTS' -- Kitchen sink

LEFT JOIN HHOwnedItems hhoimcs ON hhso.Household = hhoimcs.Household
        AND hhso.Visit = hhoimcs.Visit
        AND hhoimcs.HouseholdItem = 'MCS' -- Motorcycle

LEFT JOIN HHOwnedItems hhoiols ON hhso.Household = hhoiols.Household
        AND hhso.Visit = hhoiols.Visit
        AND hhoiols.HouseholdItem = 'OLS' -- Other livestock

LEFT JOIN HHOwnedItems hhoipmc ON hhso.Household = hhoipmc.Household
        AND hhso.Visit = hhoipmc.Visit
        AND hhoipmc.HouseholdItem = 'PMC' -- Primus cooker

LEFT JOIN HHOwnedItems hhoirad ON hhso.Household = hhoirad.Household
        AND hhso.Visit = hhoirad.Visit
        AND hhoirad.HouseholdItem = 'RAD' -- Radio

LEFT JOIN HHOwnedItems hhoisof ON hhso.Household = hhoisof.Household
        AND hhso.Visit = hhoisof.Visit
        AND hhoisof.HouseholdItem = 'SOF' -- sofa

```

```

LEFT JOIN HHOwnedItems hhoiswm ON hhso.Household = hhoiswm.Household
                                AND hhso.Visit = hhoiswm.Visit
                                AND hhoiswm.HouseholdItem = 'SWM' -- Sewing machine

LEFT JOIN HHOwnedItems hhoitbc ON hhso.Household = hhoitbc.Household
                                AND hhso.Visit = hhoitbc.Visit
                                AND hhoitbc.HouseholdItem = 'TBC' -- Table & chairs

LEFT JOIN HHOwnedItems hhoitll ON hhso.Household = hhoitll.Household
                                AND hhso.Visit = hhoitll.Visit
                                AND hhoitll.HouseholdItem = 'TLL' -- Telephone

LEFT JOIN HHOwnedItems hhoitmb ON hhso.Household = hhoitmb.Household
                                AND hhso.Visit = hhoitmb.Visit
                                AND hhoitmb.HouseholdItem = 'TMB' -- Cellphone

LEFT JOIN HHOwnedItems hhoitvs ON hhso.Household = hhoitvs.Household
                                AND hhso.Visit = hhoitvs.Visit
                                AND hhoitvs.HouseholdItem = 'TVS' -- TV

LEFT JOIN HHOwnedItems hhoivcr ON hhso.Household = hhoivcr.Household
                                AND hhso.Visit = hhoivcr.Visit
                                AND hhoivcr.HouseholdItem = 'VCR' -- Video

LEFT JOIN HHOwnedItems hhoiwbr ON hhso.Household = hhoiwbr.Household
                                AND hhso.Visit = hhoiwbr.Visit
                                AND hhoiwbr.HouseholdItem = 'WBR' -- Wheelbarrow

LEFT JOIN hhres hr ON hr.Household = hhso.Household
                   AND ve.AssignedDate >= hr.ResStartDate
                   AND (ve.AssignedDate < hr.ResEndDate OR hr.ResEndType = 'VIS')
WHERE v.DSRound = 24
-- ORDER BY hhso.Household

```

Stata code for *AssetIndexQuintile*

The code below was written by Makandwe Nyirenda, June 2009

Household socio-economic status can be determined using a wealth index as developed for use with Demographic & Health Survey data (Rutstein & Johnson, 2004)

The index is constructed using a series of household assets owned. Each asset is stored as a dummy variable; 1 if the household owns that asset and 0 otherwise. Using these dummy variables the wealth score of each household can be estimated using Principal Component Analysis (PCA) in STATA. PCA is a statistical technique used for data reduction.

The distribution of these scores has mean zero and a standard deviation of one. The wealth scores can then be divided into quintiles, with the first (lowest) quintile representing the poorest households and the fifth (highest) quintile representing the richest households

For the Africa Centre HSE data we use a list of assets abbreviated below (you can add or remove any assets as required) and household access to amenities such as water, electricity, Toilet facilities and cooking energy

These amenities have too many categories. They are recategorised into a few as below:

```
*/
```

```
* Drinkwater source
```

```
gen water = 0 if DrinkWaterSource1=="BHO" | DrinkWaterSource1=="FLR" | DrinkWaterSource1=="RWT" /*  
*/| DrinkWaterSource1=="STG" | DrinkWaterSource1=="SPR" | DrinkWaterSource1=="WEL"
```

```
replace water = 1 if DrinkWaterSource1 == "CAR" | DrinkWaterSource1=="OTH"
```

```
replace water = 2 if DrinkWaterSource1 == "PPF" | DrinkWaterSource1=="PPP"
```

```
replace water = 3 if DrinkWaterSource1 == "PIN" | DrinkWaterSource1=="PYA"
```

```
* tab water
```

```
* label def water 0"BHO/FLR/RWT" 1"Water carrier/oth" 2"Piped water free/paid" 3"Piped water in yard",modify
```

```
* label val water water
```

```
* tab water
```

```
* Toilet Type
```

```
gen toilet = 0 if ToiletType=="NON"
```

```
replace toilet = 1 if ToiletType=="OTH" | ToiletType == "BKT" | ToiletType=="CHT"
```

```
replace toilet = 2 if ToiletType=="OPL"
```

```

replace toilet = 3 if ToiletType=="VIP"
replace toilet = 4 if ToiletType=="FLT"
* label def toilet 0"None" 1"Bucket/Chemical" 2"Pitlatrine(other)" 3"Pitlatrine(VIP)" 4"Flush", modify
* label val toilet toilet
* tab toilet

** Electricity
gen electric = 0 if IsElectrified=="N"
replace electric =1 if IsElectrified=="Y"
* label def electric 0"No" 1"Yes", modify
* label val electric electric
* tab electric

** Energy
gen energy=0 if MainCookingFuel=="COA" | MainCookingFuel=="WOO"
replace energy = 1 if MainCookingFuel=="OTH"
replace energy = 2 if MainCookingFuel == "LPG" | MainCookingFuel == "PAR"
replace energy = 3 if MainCookingFuel == "GEN" | MainCookingFuel=="GRI" | MainCookingFuel=="SOL"
* label def energy 0"Coal/Wood" 1"Parrafin" 2"Gas" 3"Electricity", modify
* label val energy energy
* tab energy

** Now we have all the assests and amenities properly defined simply run PCA in STATA.
** The general syntax is: pca varlist [if] [in] [weight] [, options]
** The xi in front of the pca command is to ensure that we create dummy variables for the variables
** with more than two categories i.e energy, water, toilet

xi: pca BDN BED BIC BLM CAR CBE CTL ECO EHP EKT FRG GCK HSF KLT KTS MCS OLS PMC RAD /*
*/SOF SWM TBC TLL TMB TVS VCR WBR i.energy i.water i.toilet electric

** Now we have estimated the eigenvalues or wealth scores of the households, we categorise
** them into household wealth quintiles. The richest (most comfortable) will be households in the
** top 20% (fifth quintile) and the poorest those in the lowest 20% (first quintile)

predict pcfactor
xtile quintiles=pcfactor, nq(5)

drop energy _Ienergy_1 _Ienergy_2 _Ienergy_3
drop water _Iwater_1 _Iwater_2 _Iwater_3

```

```
drop toilet _Itoilet_1 _Itoilet_2 _Itoilet_3 _Itoilet_4
drop electric
drop pcfactor
rename quintiles AssetIndexQuintile
move AssetIndexQuintile VictimOfTHF
```