Overview

Identification

ID NUMBER
APHRC-NUHDSS-RESIDENCY-1.2

Version

VERSION DESCRIPTION

PRODUCTION DATE
2017-09-26

NOTES

Overview

ABSTRACT
A Residency episode records the stay of an individual at a physical location. A resident episode can be initiated only by a DSS entry, a birth, or an in-migration event. It can be terminated only by a DSS exit, a death, or an out-migration event. A Membership episode records the membership of an individual in a particular social group. A membership episode can be initiated only by a DSS entry, a birth, or a membership start event. It can be terminated only by a DSS exit, a death, or a membership end event. This file combines the Residency episodes for every DSS Individual with the corresponding Membership episode.

UNITS OF ANALYSIS
The unit of analysis is the residency event for a DSS Individual. 8 types of DSS events exist: ENUMERATION, BIRTH, INMIGRATION, ENTRY, EXIT, OUTMIGRATION, DEATH, PRR. Every observation in this dataset shows the episode start date, the episode end date/censoring-date, and the residency event that has occurred.

Scope

NOTES
The scope of the residency table includes residency status of every individual, religion, marital status, income-generating activity status, pregnancy status of females aged 12-49 years, parental survivorship, educational attainment, death information

Coverage

GEOGRAPHIC COVERAGE
Two informal settlements (slums) in Nairobi county, Kenya (specifically, Korogocho and Viwandani slums).

UNIVERSE
All NUHDSS households and their residents.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)
**FUNDING**

<table>
<thead>
<tr>
<th>Name</th>
<th>Abbreviation</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wellcome Trust</td>
<td></td>
<td>Funder</td>
</tr>
<tr>
<td>Rockefeller Foundation (USA)</td>
<td></td>
<td>Funder</td>
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<td>William and Flora Hewlett Foundation (USA)</td>
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<td>Funder</td>
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<td>Comic Relief (UK)</td>
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<td>Funder</td>
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<td>Swedish International Development Cooperation</td>
<td>SIDA</td>
<td>Funder</td>
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<td>The Bill and Melinda Gates Foundation (USA)</td>
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<td>Funder</td>
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**OTHER ACKNOWLEDGEMENTS**

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residents of Korogocho and Viwandani Slums</td>
<td></td>
<td>Study Subjects</td>
</tr>
<tr>
<td>Community leaders - chiefs and village elders</td>
<td></td>
<td>Support to field teams</td>
</tr>
</tbody>
</table>

**Metadata Production**

**METADATA PRODUCED BY**

<table>
<thead>
<tr>
<th>Name</th>
<th>Abbreviation</th>
<th>Affiliation</th>
<th>Role</th>
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<tbody>
<tr>
<td>African Population &amp; Health Research Center</td>
<td></td>
<td>APHRC</td>
<td>Metadata Produce</td>
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</table>

**DATE OF METADATA PRODUCTION**

2011-05-17

**DDI DOCUMENT VERSION**


**DDI DOCUMENT ID**

APHRC-NUHDSS-RESIDENCY-1.2
Sampling

Sampling Procedure

No sampling is done, all households are visited and the status of individuals that are members is updated.
Questionnaires

Overview

Different questionnaires have been used to collect the data in the residency dataset:

1. Residency status of every individual - Household registration book (rounds 1-13), Event confirmation questionnaire (round 14 onwards)

2. Religion - Inmigration questionnaire (rounds 1-13), Event confirmation questionnaire (round 14 onwards)

3. Marital status - Marriage registration questionnaire (rounds 2-13), Event confirmation questionnaire (round 14 onwards)

4. Income-generating activity status - Inmigration questionnaire (rounds 1-13), Event confirmation questionnaire (round 14 onwards)

5. Pregnancy status of females aged 12-49 years - Pregnancy registration questionnaire (rounds 1-13), Event confirmation questionnaire (round 14 onwards)

6. Parental survivorship - Inmigration questionnaire (rounds 1-13), Event confirmation questionnaire (round 14 onwards)

7. Educational attainment - Inmigration questionnaire (rounds 1-31), Household education transition questionnaire (round 32 onwards)

8. Death - Death registration questionnaire (rounds 1-13), Event confirmation form (round 14 onwards)

All questionnaires are provided as external resources.
Data Collection

Data Collection Dates

<table>
<thead>
<tr>
<th>Start</th>
<th>End</th>
<th>Cycle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002-12-01</td>
<td>2002-12-20</td>
<td>Round 1</td>
</tr>
<tr>
<td>2003-01-13</td>
<td>2003-12-19</td>
<td>Round 2, Round 3 and Round 4</td>
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<tr>
<td>2004-01-12</td>
<td>2004-12-22</td>
<td>Round 5, Round 6 and Round 7</td>
</tr>
<tr>
<td>2005-01-10</td>
<td>2005-11-18</td>
<td>Round 8, Round 9 and Round 10</td>
</tr>
<tr>
<td>2006-01-09</td>
<td>2006-12-22</td>
<td>Round 11, Round 12 and Round 13</td>
</tr>
<tr>
<td>2007-01-08</td>
<td>2007-12-21</td>
<td>Round 14, Round 15 and Round 16</td>
</tr>
<tr>
<td>2008-01-07</td>
<td>2008-12-19</td>
<td>Round 17 and Round 18</td>
</tr>
<tr>
<td>2009-01-05</td>
<td>2009-12-18</td>
<td>Round 19, Round 20 and Round 21</td>
</tr>
<tr>
<td>2010-01-04</td>
<td>2010-12-17</td>
<td>Round 22, Round 23 and Round 24</td>
</tr>
<tr>
<td>2011-01-03</td>
<td>2011-12-22</td>
<td>Round 25, Round 26 and Round 27</td>
</tr>
<tr>
<td>2012-01-09</td>
<td>2012-12-21</td>
<td>Round 28, Round 29 and Round 30</td>
</tr>
<tr>
<td>2013-01-07</td>
<td>2013-12-20</td>
<td>Round 31 and Round 32</td>
</tr>
<tr>
<td>2014-01-06</td>
<td>2014-12-19</td>
<td>Round 33, Round 34 and Round 35</td>
</tr>
<tr>
<td>2015-01-05</td>
<td>2015-12-21</td>
<td>Round 37 and Round 38</td>
</tr>
</tbody>
</table>

Data Collection Mode

Face-to-face [f2f]

Questionnaires

Different questionnaires have been used to collect the data in the residency dataset:

1. Residency status of every individual - Household registration book (rounds 1-13), Event confirmation questionnaire (round 14 onwards)
2. Religion - Inmigration questionnaire (rounds 1-13), Event confirmation questionnaire (round 14 onwards)
3. Marital status - Marriage registration questionnaire (rounds 2-13), Event confirmation questionnaire (round 14 onwards)
4. Income-generating activity status - Inmigration questionnaire (rounds 1-13), Event confirmation questionnaire (round 14 onwards)
5. Pregnancy status of females aged 12-49 years - Pregnancy registration questionnaire (rounds 1-13), Event confirmation questionnaire (round 14 onwards)
6. Parental survivorship - Inmigration questionnaire (rounds 1-13), Event confirmation questionnaire (round 14 onwards)
7. Educational attainment - Inmigration questionnaire (rounds 1-31), Household education transition questionnaire (round 32 onwards)
8. Death - Death registration questionnaire (rounds 1-13), Event confirmation form (round 14 onwards)

All questionnaires are provided as external resources.

Supervision

Interviewing teams in the two sites of study comprised of:
- Korogocho: 1 field supervisor, 2 editing team leaders, 1 data quality control team leader, 1 deaths' monitoring team leader, 2 data quality control officers, 12 interviewers
- Viwandani: 1 field supervisor, 2 editing team leaders, 1 data quality control team leader, 1 deaths' monitoring team leader, 3 data quality control officers, 17 interviewers

The roles of the various members of the interviewing teams were:

- Interviewer: Conducting face-to-face paper-based interviews (Round 0- Round 38) and using Netbooks (Round 39 onwards) in assigned zone within the study site
- Data Quality Control Officer: Performing random spot-checks on 10% of the questionnaires and reporting inconsistencies to the Data Quality Control Team Leader for harmonization
- Deaths’ Monitoring Team Leader: Ensuring that Verbal Autopsies are administered once deaths are registered and linking with key informants in the study site (e.g. village elders) to procure information on deaths within the study community
- Data Quality Control Team Leader: Harmonizing inconsistencies within questionnaires and performing a random spot-check on 10% of the 10% questionnaires that have already undergone spot-checking
- Editing Team Leader: Editing 100% of questionnaires from randomly selected field workers and documenting issues emerging during data collection
- Field supervisor: Responsible for overseeing general operations, resolving issues that cannot be harmonized by data quality control and ensuring that field work progressed on schedule. They also conducted sit-in interviews along with Data Quality Control Team Leader

The Field Co-ordinator, Research Officer and/or Project Managers visited the field and field teams regularly to monitor and review progress and support field operations.
Data Processing

Data Editing

Data editing took place at a number of stages throughout the processing, including:
1. Quality control through back-checks on 10 percent of completed questionnaires and editing of all completed questionnaires by supervisors and project management staff.
2. A quality control officer performed internal consistency checks for all questionnaires and edited all paper questionnaires coming from the field before their submission for data entry with return of incorrectly filled questionnaires to the field for error-resolution.
3. During data entry, any questionnaires that were found to be inconsistent were returned to the field for resolution.
4. Data cleaning and editing was carried out using STATA Version 13 software.

Detailed documentation of the editing of data can be found in the "Standard Procedures Manual" document provided as an external resource.

Some corrections are made automatically by the program (80%) and the rest by visual control of the questionnaire (20%).

Where changes are made by the program, a cold deck imputation is preferred; where incorrect values are imputed using existing data from another dataset. If cold deck is found to be insufficient, hot deck imputation is used. In this case, a missing value is imputed from a randomly selected similar record in the same dataset.

Other Processing

Data were entered as follows:
1. Typed based on paper questionnaires at APHRC’s headquarters on desktop computers. Double data entry was carried out on 10% of the questionnaires (Round 0- Round 38).
2. Using Netbooks (Round 39 onwards).

In both cases, data were captured using in-house software developed with a Visual Basic. Net front-end and a Microsoft Structured Query Language (SQL) Server back-end.
Data Appraisal

No content available
File Description
Variable List
NUHDSS Residency_anon_2002-2015

Content
The file contains data related to the residency status of every individual, religion, marital status, income-generating activity status, pregnancy status of females aged 12-49 years, parental survivorship, educational attainment, death information

Cases
3295070

Variable(s)
102

Structure
Type: Keys: ()

Version
V1.0

Producer
African Population & Health Research Center (APHRC).

Missing Data
Data are coded as follows:
- Missing Data: No data or a missing data code provided where data should have been collected. All missing values are coded as 9999995 “missing:impute”.
- Other-specify: A data code of 6/96/996, etcetera “other” is assigned to any variable that is a filter leading to another variable where the respondent can provide more specific details about the filter variable.
- Refused: A data code of 7/97/997, etcetera “refused” is assigned to any variable where the respondent refused to answer or participate.
- Don't Know: A data code of 8/98/998, etcetera “don't know” is assigned to any variables where the respondent did not know the answer.
- Skipped Questions: A data code of 9/99/999, etcetera “NIU (not in universe)” is assigned to any variable where the unit (in this case, household) is not in the universe/are not eligible to answer the question.

Variables

<table>
<thead>
<tr>
<th>ID</th>
<th>Name</th>
<th>Label</th>
<th>Type</th>
<th>Format</th>
<th>Question</th>
</tr>
</thead>
<tbody>
<tr>
<td>V393</td>
<td>res_individualid_anon</td>
<td>NUHDSS individual (anonymizer all rounds)</td>
<td>discrete</td>
<td>character</td>
<td>na</td>
</tr>
<tr>
<td>V394</td>
<td>res_hhid_anon</td>
<td>NUHDSS socialgroup (anonymizer all rounds)</td>
<td>discrete</td>
<td>character</td>
<td>na</td>
</tr>
<tr>
<td>V401</td>
<td>res_slumarea</td>
<td>slum area in NUHDSS</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V395</td>
<td>res_round_event</td>
<td>round in which event occurred</td>
<td>contin</td>
<td>numeric</td>
<td>NA</td>
</tr>
<tr>
<td>V396</td>
<td>res_datebeg</td>
<td>date of beginning</td>
<td>discrete</td>
<td>character</td>
<td>na</td>
</tr>
<tr>
<td>V397</td>
<td>res_eventdate</td>
<td>residency event date</td>
<td>discrete</td>
<td>character</td>
<td>na</td>
</tr>
<tr>
<td>V398</td>
<td>res_calendaryear</td>
<td>calendar year of event</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V399</td>
<td>res_government</td>
<td>ruling government</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V400</td>
<td>res_event</td>
<td>residency event</td>
<td>discrete</td>
<td>numeric</td>
<td>WHAT IS THE CURRENT STATUS OF (NAME)?</td>
</tr>
<tr>
<td>V404</td>
<td>res_datebirth</td>
<td>date of birth of NUHDSS individual (%td format)</td>
<td>discrete</td>
<td>character</td>
<td>INDIVIDUAL’S DATE OF BIRTH</td>
</tr>
<tr>
<td>V405</td>
<td>res_gender</td>
<td>gender of NUHDSS individual</td>
<td>discrete</td>
<td>numeric</td>
<td>INDIVIDUAL’S SEX</td>
</tr>
<tr>
<td>V406</td>
<td>res_ethnicity</td>
<td>ethnicity of NUHDSS individual</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V442</td>
<td>res_birthprovince</td>
<td>province in Kenya in which individual was born</td>
<td>discrete</td>
<td>numeric</td>
<td>What province and district were you/(NAME) born?</td>
</tr>
<tr>
<td>V443</td>
<td>res_birthdistrict</td>
<td>district in Kenya in which individual was born</td>
<td>discrete</td>
<td>numeric</td>
<td>What province and district were you/(NAME) born?</td>
</tr>
<tr>
<td>V444</td>
<td>res_birthareatype</td>
<td>type of area in Kenya in which individual was born</td>
<td>discrete</td>
<td>numeric</td>
<td>RECORD CODE FOR PLACE OF BIRTH</td>
</tr>
<tr>
<td>ID</td>
<td>Name</td>
<td>Label</td>
<td>Type</td>
<td>Format</td>
<td>Question</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------</td>
<td>----------------------------------------------------------------------</td>
<td>------------</td>
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<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>V407</td>
<td>res_reltomh</td>
<td>relationship to household head at event</td>
<td>discrete</td>
<td>numeric</td>
<td></td>
</tr>
<tr>
<td>V408</td>
<td>res_hh_individualid_anon</td>
<td>NUHDSS individual (anonymizer all rounds)</td>
<td>discrete</td>
<td>character</td>
<td></td>
</tr>
<tr>
<td>V409</td>
<td>res_hh_datebirth</td>
<td>date of birth of NUHDSS household head (%td format)</td>
<td>discrete</td>
<td>character</td>
<td></td>
</tr>
<tr>
<td>V410</td>
<td>res_hh_gender</td>
<td>gender of NUHDSS household head</td>
<td>discrete</td>
<td>numeric</td>
<td></td>
</tr>
<tr>
<td>V411</td>
<td>res_hh_ethnicity</td>
<td>ethnicity of NUHDSS household head</td>
<td>discrete</td>
<td>numeric</td>
<td></td>
</tr>
<tr>
<td>V412</td>
<td>res_agebeg</td>
<td>age in completed days at the beginning of each episode</td>
<td>continuous</td>
<td>numeric</td>
<td></td>
</tr>
<tr>
<td>V413</td>
<td>res_ageday</td>
<td>age in completed days</td>
<td>continuous</td>
<td>numeric</td>
<td></td>
</tr>
<tr>
<td>V414</td>
<td>res_agemonth</td>
<td>age in completed months</td>
<td>continuous</td>
<td>numeric</td>
<td></td>
</tr>
<tr>
<td>V415</td>
<td>res_ageyear</td>
<td>age in completed years (integer)</td>
<td>continuous</td>
<td>numeric</td>
<td></td>
</tr>
<tr>
<td>V417</td>
<td>res_agegroup</td>
<td>Age Group</td>
<td>discrete</td>
<td>numeric</td>
<td></td>
</tr>
<tr>
<td>V418</td>
<td>edu_everschool</td>
<td>has ever attended school</td>
<td>discrete</td>
<td>numeric</td>
<td>Have you/(Name) ever attended school? (1=YES; 2=NO)</td>
</tr>
<tr>
<td>V419</td>
<td>edu_everschool_level</td>
<td>highest level of school ever attended</td>
<td>discrete</td>
<td>numeric</td>
<td>Highest level</td>
</tr>
<tr>
<td>V420</td>
<td>edu_everschool_class</td>
<td>highest completed class at highest level of school ever attended</td>
<td>discrete</td>
<td>numeric</td>
<td>Highest Class completed</td>
</tr>
<tr>
<td>V421</td>
<td>edu_currschool</td>
<td>is currently attending school</td>
<td>discrete</td>
<td>numeric</td>
<td>Is name currently in school? (1=YES; 2=NO)</td>
</tr>
<tr>
<td>V422</td>
<td>edu_currschool_level</td>
<td>highest level of school currently attending</td>
<td>discrete</td>
<td>numeric</td>
<td>Highest level</td>
</tr>
<tr>
<td>V423</td>
<td>edu_currschool_class</td>
<td>highest completed class at highest level of school currently attending</td>
<td>discrete</td>
<td>numeric</td>
<td>Current class</td>
</tr>
<tr>
<td>V424</td>
<td>edu_currschool_type</td>
<td>type of school currently attending</td>
<td>discrete</td>
<td>numeric</td>
<td>What type of school is (NAME) currently attending?</td>
</tr>
<tr>
<td>V425</td>
<td>iga_hasiga</td>
<td>individual has had an income-generating activity in past 30 days</td>
<td>discrete</td>
<td>numeric</td>
<td>Have you/(NAME) been involved in an income generating activity in the past 30 days?</td>
</tr>
<tr>
<td>V426</td>
<td>iga_noigareason</td>
<td>reason individual has not had an income-generating activity in past 30 days</td>
<td>discrete</td>
<td>numeric</td>
<td>Why were you/was (NAME) not in an income generating activity?</td>
</tr>
<tr>
<td>V427</td>
<td>iga_typeofiga</td>
<td>type of income-generating activity</td>
<td>discrete</td>
<td>numeric</td>
<td>What was the main activity that you have been involved in?</td>
</tr>
<tr>
<td>V428</td>
<td>iga_durofiga</td>
<td>duration of involvement (months) in this income generating activity</td>
<td>discrete</td>
<td>numeric</td>
<td>How long have you been involved in this main activity?</td>
</tr>
<tr>
<td>V429</td>
<td>iga_inc30days_cash</td>
<td>income(KES)-last 30 days paid in:cash</td>
<td>discrete</td>
<td>numeric</td>
<td>How much income did you/(NAME) make in the past 30 days from all activities that you were involved in?</td>
</tr>
<tr>
<td>ID</td>
<td>Name</td>
<td>Label</td>
<td>Type</td>
<td>Format</td>
<td>Question</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------------------</td>
<td>--------------------------------------------</td>
<td>----------</td>
<td>---------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>V430</td>
<td>iga_inc30days_kind</td>
<td>income(KES)-last 30 days paid in:kind</td>
<td>discrete</td>
<td>numeric</td>
<td>How much income did you/(NAME) make in the past 30 days from all activities that you were involved in?</td>
</tr>
<tr>
<td>V431</td>
<td>mar_maritalstatus</td>
<td>current marital status</td>
<td>discrete</td>
<td>numeric</td>
<td>What is your/(NAME’S) current marital status? Are you: 01=Married; 02=Living with a man/woman; 03=Widowed 04=Separated; 05=Divorced; 06=Never married</td>
</tr>
<tr>
<td>V432</td>
<td>par_parentsalive</td>
<td>biological parents alive</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V433</td>
<td>par_parentsstayinhhd</td>
<td>biological parents stay in the same household</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V434</td>
<td>par_momalive</td>
<td>biological mother alive</td>
<td>discrete</td>
<td>numeric</td>
<td>Is (NAME's) biological mother alive?</td>
</tr>
<tr>
<td>V435</td>
<td>par_momplaceofstay</td>
<td>biological mother's place of stay</td>
<td>discrete</td>
<td>numeric</td>
<td>Where does the mother live?</td>
</tr>
<tr>
<td>V436</td>
<td>par_momstaysinhhd</td>
<td>biological mother stays in the same household</td>
<td>discrete</td>
<td>numeric</td>
<td>Does the mother live in this/your household?</td>
</tr>
<tr>
<td>V445</td>
<td>par_mom_individualid_anon</td>
<td>NUHDSS individual (anonymizer all rounds)</td>
<td>discrete</td>
<td>character</td>
<td>FW: SELECT MOTHER'S ID</td>
</tr>
<tr>
<td>V446</td>
<td>par_mom_datebirth</td>
<td>biological mother's date of birth</td>
<td>discrete</td>
<td>character</td>
<td>na</td>
</tr>
<tr>
<td>V447</td>
<td>par_mom_ethnicity</td>
<td>ethnicity of NUHDSS individual</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V437</td>
<td>par_popalive</td>
<td>biological father alive</td>
<td>discrete</td>
<td>numeric</td>
<td>Is (NAME'S) biological father alive?</td>
</tr>
<tr>
<td>V438</td>
<td>par_popplaceofstay</td>
<td>biological father's place of stay</td>
<td>discrete</td>
<td>numeric</td>
<td>Where does the father live?</td>
</tr>
<tr>
<td>V439</td>
<td>par_popstaysinhhd</td>
<td>biological father stays in the same household</td>
<td>discrete</td>
<td>numeric</td>
<td>Does the father live in this/your household?</td>
</tr>
<tr>
<td>V448</td>
<td>par_pop_individualid_anon</td>
<td>NUHDSS individual (anonymizer all rounds)</td>
<td>discrete</td>
<td>character</td>
<td>FW: SELECT FATHER'S ID</td>
</tr>
<tr>
<td>V449</td>
<td>par_pop_datebirth</td>
<td>biological father's date of birth</td>
<td>discrete</td>
<td>character</td>
<td>na</td>
</tr>
<tr>
<td>V440</td>
<td>pge_pregstatus</td>
<td>pregnancy status</td>
<td>discrete</td>
<td>numeric</td>
<td>Is (NAME) pregnant?</td>
</tr>
<tr>
<td>V441</td>
<td>rel_religionstatus</td>
<td>current religion</td>
<td>discrete</td>
<td>numeric</td>
<td>What religion do you/does (NAME) belong to?</td>
</tr>
<tr>
<td>V450</td>
<td>res_pcod_under_final</td>
<td>underlying cause of death: final</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V451</td>
<td>res_pcodbroad_under_final</td>
<td>broad underlying cause of death: final</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V452</td>
<td>res_pcodgeneral_under_final</td>
<td>general underlying cause of death: final</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V453</td>
<td>res_pcod_immed_final</td>
<td>immediate cause of death: final</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V454</td>
<td>res_pcodbroad_immed_final</td>
<td>broad immediate cause of death: final</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V455</td>
<td>res_pcodgeneral_immed_final</td>
<td>general immediate cause of death: final</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V456</td>
<td>res_icod_1</td>
<td>1st cause of death by InterVA</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>ID</td>
<td>Name</td>
<td>Label</td>
<td>Type</td>
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<td>Question</td>
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<td>----------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>V457</td>
<td>res_icodbroad_1</td>
<td>broad 1st cause of death by InterVA</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V458</td>
<td>res_icodgeneral_1</td>
<td>general 1st cause of death by InterVA</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V459</td>
<td>res_everoutmigrated</td>
<td>individual has ever outmigrated</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V460</td>
<td>res_inmvmt_fromprovince</td>
<td>province in Kenya from which individual came</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V461</td>
<td>res_inmvmt_fromdistrict</td>
<td>district in Kenya from which individual came</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V462</td>
<td>res_inmvmt_fromareatype</td>
<td>type of area in Kenya from which individual came</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V463</td>
<td>res_inmvmt_fromvillage</td>
<td>village in nairobi slum from which individual came</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V464</td>
<td>res_inmvmt_fromdurstay</td>
<td>duration of stay (months) at place from which individual came</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V465</td>
<td>res_inmvmt_outmigreason</td>
<td>reason for outmigrating from place from which individual came</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V466</td>
<td>res_inmvmt_inmigboreason</td>
<td>reason for immigrating to Nairobi</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V467</td>
<td>res_inmvmt_inmigdsareason</td>
<td>reason for immigrating to Korogocho/Viwandani</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V468</td>
<td>res_inmvmt_everliveddera</td>
<td>since August 2002, inmigrant has ever lived in DSA</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V471</td>
<td>res_inmvmt_intendtostay</td>
<td>individual moved to DSA temporarily or to stay</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V472</td>
<td>res_inmvmt_intenddurstay</td>
<td>duration of intended stay (months) in DSA this time around</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V473</td>
<td>res_inmvmt_camewith</td>
<td>person(s) with whom individual moved</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V474</td>
<td>res_inmvmt_moveaim</td>
<td>individual's aim for moving</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V475</td>
<td>res_inmvmt_arbitraryhhd</td>
<td>individual formed an arbitrary household</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V476</td>
<td>res_inmvmt_hadiga</td>
<td>individual had an income-generating activity before immigrating</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V477</td>
<td>res_inmvmt_typeofiga</td>
<td>type of income-generating activity before coming here</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V478</td>
<td>res_inmvmt_durtoiga</td>
<td>duration of wait (weeks) before first income generating activity in DSA</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
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<tr>
<td>V479</td>
<td>res_outmvmt_toprovince</td>
<td>province in Kenya to which individual went</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V480</td>
<td>res_outmvmt_todistrict</td>
<td>district in Kenya to which individual went</td>
<td>discrete</td>
<td>numeric</td>
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<tr>
<td>V481</td>
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<td>type of area in Kenya to which individual went</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
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<tr>
<td>V482</td>
<td>res_outmvmt_toareatype</td>
<td>type of area in Kenya to which individual went</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
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<tr>
<td>V483</td>
<td>res_outmvmt_outmigreason</td>
<td>reason for outmigrating</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V484</td>
<td>res_outmvmt_leftwith</td>
<td>person(s) with whom individual moved</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V485</td>
<td>res_outmvmt_wasill</td>
<td>outmigrant was ill</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>ID</td>
<td>Name</td>
<td>Label</td>
<td>Type</td>
<td>Format</td>
<td>Question</td>
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<td>-----------------------------</td>
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<td>------------</td>
<td>----------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>V486</td>
<td>res_outmvmt_illness</td>
<td>outmigrant's illness</td>
<td>discrete</td>
<td>character</td>
<td>na</td>
</tr>
<tr>
<td>V487</td>
<td>res_outmvmt_waspreg</td>
<td>female outmigrant was pregnant</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V488</td>
<td>res_outmvmt_pregmths</td>
<td>duration of female outmigrant's pregnancy (months)</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V490</td>
<td>res_outmvmt_typechange</td>
<td>type of residency change</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V491</td>
<td>censor_isoutmvmt</td>
<td>individual had an OUTMIGRATION/EXIT interview</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V492</td>
<td>censor_isinmvmt</td>
<td>individual had an INMIGRATION/ENTER interview</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V493</td>
<td>censor_birth</td>
<td>individual had a BIRTH event</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V494</td>
<td>censor_death</td>
<td>individual had a DEATH event</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V495</td>
<td>censor_out</td>
<td>individual had an OUTMIGRATION event</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V496</td>
<td>censor_in</td>
<td>individual had an INMIGRATION event</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
</tr>
<tr>
<td>V497</td>
<td>censor_gavebirth</td>
<td>individual had a GIVING BIRTH event</td>
<td>discrete</td>
<td>numeric</td>
<td>na</td>
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<tr>
<td>V498</td>
<td>censor_ispregnant</td>
<td>individual has a PREGNANT event</td>
<td>discrete</td>
<td>numeric</td>
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<tr>
<td>V499</td>
<td>censor_inboardingschool</td>
<td>individual had a in-boarding school event</td>
<td>discrete</td>
<td>numeric</td>
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<tr>
<td>V500</td>
<td>residence</td>
<td>this episode is a valid residency in the NUHDSS</td>
<td>discrete</td>
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</table>
### NUHDSS individual (anonymizer all rounds) (res_individualid_anon)

**File:** NUHDSS Residency_anon_2002-2015

<table>
<thead>
<tr>
<th>Overview</th>
</tr>
</thead>
<tbody>
<tr>
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<td><strong>Format:</strong> character</td>
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</tr>
<tr>
<td><strong>Valid cases:</strong> 3,295,070</td>
</tr>
<tr>
<td><strong>Invalid:</strong> 0</td>
</tr>
</tbody>
</table>

**Description**

NUHDSS individual (anonymizer all rounds).

**Universe**

All residents.

**Source of information**

The interviewer.

**Pre question**

na

**Literal question**

na

**Post question**

na

**Interviewer instructions**

na

---

### NUHDSS socialgroup (anonymizer all rounds) (res_hhid_anon)

**File:** NUHDSS Residency_anon_2002-2015

<table>
<thead>
<tr>
<th>Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type:</strong> Discrete</td>
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<td><strong>Format:</strong> character</td>
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<td><strong>Width:</strong> 36</td>
</tr>
<tr>
<td><strong>Valid cases:</strong> 3,295,070</td>
</tr>
<tr>
<td><strong>Invalid:</strong> 0</td>
</tr>
</tbody>
</table>

**Description**

NUHDSS socialgroup (anonymizer all rounds).

**Universe**

All residents.

**Source of information**

Concatenation of the slum, the enumeration area, the structure number, the room number and the household number.

**Pre question**

na

**Literal question**

na

**Post question**

na

**Interviewer instructions**

na

---

### slum area in NUHDSS (res_slumarea)

**File:** NUHDSS Residency_anon_2002-2015

<table>
<thead>
<tr>
<th>Overview</th>
</tr>
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<tbody>
<tr>
<td><strong>Type:</strong> Discrete</td>
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<td><strong>Format:</strong> character</td>
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<td><strong>Valid cases:</strong> 3,295,070</td>
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<tr>
<td><strong>Invalid:</strong> 0</td>
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</tbody>
</table>

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slum area in NUHDSS (res_slumarea)
File: NUHDSS Residency_anon_2002-2015

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<tr>
<th>Type: Discrete</th>
<th>Valid cases: 3295070</th>
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<tr>
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</tr>
<tr>
<td>Range: 1-9999995</td>
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</tr>
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</table>

**Description**
The slum area in NUHDSS.

**Universe**
All residents.

**Source of information**
The interviewer.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

round in which event occurred (res_round_event)
File: NUHDSS Residency_anon_2002-2015

<table>
<thead>
<tr>
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<tbody>
<tr>
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<td>Format: numeric</td>
<td>Invalid: 0</td>
</tr>
<tr>
<td>Width: 10</td>
<td>Minimum: 0</td>
</tr>
<tr>
<td>Decimals: 0</td>
<td>Maximum: 39</td>
</tr>
<tr>
<td>Range: 0-39</td>
<td>Mean: 20.9</td>
</tr>
<tr>
<td></td>
<td>Standard deviation: 11.2</td>
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</tbody>
</table>

**Description**
The round in which the event occurred.

**Universe**
All residents.

**Source of information**
The interviewer.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

date of beginning (res_datebeg)
File: NUHDSS Residency_anon_2002-2015
Date of beginning (res_datebeg)

File: NUHDSS Residency_anon_2002-2015

Type: Discrete
Format: character
Width: 11
Valid cases: 3295070
Minimum: NaN
Maximum: NaN

**Description**
Date when the residency episode began.

**Universe**
All residents.

**Source of information**
Calculated to denote the beginning of each residency episode of each individual. The date of beginning (res_datebeg) for each individual's first residence episode is always their date of birth (that is, res_datebirth). For each of the individual's subsequent residency episodes, their res_datebeg of the episode is the the same as the date that the preceding episode ended (that is, res_eventdate[n-1]). The sum of the period of time that an individual has spent in the NUHDSS (person time) is determined by adding up the duration of time spent during each residency period.

Where an individual's first residency episode is a birth, res_datebeg is set to their date of birth and the date of event for the birth episode is set to date of birth plus one day.

When a birth and death episode occur on the same day, res_datebeg is set to their date of birth, the date of event for the birth episode is set to date of birth plus one day and the date of event for the death episode is set to date of birth plus two days.

The introduction of these additional days is for the sake of analysis; it enables Stata to differentiate between the different residency episodes of such individuals.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

Residency event date (res_eventdate)

File: NUHDSS Residency_anon_2002-2015

**Overview**
Type: Discrete
Format: character
Width: 11
Valid cases: 3295070
Minimum: NaN
Maximum: NaN

**Description**
Date when the residency episode ended/occurred.

**Universe**
All residents.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na
calendar year of event (res_calendaryear)
File: NUHDSS Residency_anon_2002-2015

Overview
Type: Discrete
Format: numeric
Valid cases: 3295070
Invalid: 0
Width: 9
Decimals: 0
Range: 2002-2017

Description
The calendar year in which the residency episode occurred.

Universe
All residents.

Source of information
Calculated by splitting the date when the residency episode ended/occurred (res_eventdate) on January 1st of each year for which the individual has residency episodes. The split creates residency episodes that denote when the calendar year changed.

Pre question
na

Literal question
na

Post question
na

Interviewer instructions
na

ruling government (res_government)
File: NUHDSS Residency_anon_2002-2015

Overview
Type: Discrete
Format: numeric
Valid cases: 3295070
Invalid: 0
Width: 20
Decimals: 0
Range: 1-8

Description
The ruling government during the residency episode.

Universe
All residents.

Source of information
Calculated by splitting the date when the residency episode ended/occurred (res_eventdate) on the date when each government in Kenya came into power for the periods for which the individual has residency episodes, that is:
- Queen Elizabeth II (December 12, 1963 - December 12, 1964)
- Jomo Kenyatta (December 13, 1964 - August 22, 1978)
- Mwai Kibaki (December 31, 2002 - December 27, 2007)
- Post-election violence (December 28, 2007 - February 28, 2008)
- Mwai Kibaki-Raila Odinga Coalition (February 29, 2008 - April 9, 2013)
- Uhuru Kenyatta (April 10, 2013 - August 8th, 2017)

The split creates residency episodes that denote when the government changed.

Pre question
na

Literal question
na

Post question
na
ruling government (res_government)
File: NUHDSS Residency_anon_2002-2015

Interviewer instructions
na

residency event (res_event)
File: NUHDSS Residency_anon_2002-2015

| Overview | Valid cases: 3295070
<table>
<thead>
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<th></th>
<th></th>
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<tbody>
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</tr>
<tr>
<td>Range: -5-9999995</td>
<td></td>
</tr>
</tbody>
</table>

Description
The event associated with the residency episode.

Universe
All residents.

Source of information
The respondent. Some of the events are calculated by splitting the calendar year, age group and the government.

Pre question
na

Literal question
WHAT IS THE CURRENT STATUS OF (NAME)?

Post question
WHAT IS THE CURRENT STATUS OF (NAME)? PRR; TAR; DTH; EXT; CBS; OMG; UNK [IF EXT; CBS; OMG OR UNK; GO TO 8.1] [IF DTH; SKIP Q4.20] [IF ALL MEMBERS ARE TAR, SKIP TO 8.1] [FW: Q4.7 TO 4.19 TO BE ASKED FOR ALL PRR ] [UPDATE FOR TAR WITH A PRR MEMBER OF THE HH]

Interviewer instructions
Record the current status of each individual using the codes depicted in the table above. If EXT, CBS or OMG; ask Q4.6A and then go to 8.1; if UNK go to 8.1; if DTH; skip to Q4.20; if all members are TAR, ask Q4.6A for each individual and then go to 8.1; if PRR go to Q4.8. Note that Q4.8-4.19 should be asked of all members who are PRR. Also note that, a TAR status of any household member can only be confirmed by a household member who is PRR.

date of birth of NUHDSS individual (%td format) (res_datebirth)
File: NUHDSS Residency_anon_2002-2015

| Overview | Valid cases: 3295070
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
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<td>Format: character</td>
</tr>
<tr>
<td>Width: 11</td>
<td></td>
</tr>
</tbody>
</table>

Description
The date of birth of the NUHDSS individual.

Universe
All residents.

Source of information
The respondent.

Pre question
na

Literal question
INDIVIDUAL’S DATE OF BIRTH

Post question
date of birth of NUHDSS individual (%td format) (res_datebirth)
File: NUHDSS Residency_anon_2002-2015

Fill in the individual's date of birth to their best recollection. Probe as much as possible to obtain the year of birth. Where
the day and month are not known fill in ‘98’. Use the table of key events in Appendix 4 to approximate date of birth as
closely as possible.

Interviewer instructions

na

gender of NUHDSS individual (res_gender)
File: NUHDSS Residency_anon_2002-2015

Overview
Type: Discrete
Format: numeric
Valid cases: 3295070
Invalid: 0

Description
The gender of the deceased NUHDSS individual.

Universe
All residents.

Source of information
The respondent.

Pre question
na

Literal question
INDIVIDUAL’S SEX

Post question
Fill in the gender of the individual

Interviewer instructions
na

ethnicity of NUHDSS individual (res_ethnicity)
File: NUHDSS Residency_anon_2002-2015

Overview
Type: Discrete
Format: numeric
Valid cases: 3295070
Invalid: 0

Description
The ethnicity of NUHDSS individual.

Universe
All residents.

Source of information
The respondent.

Pre question
na

Literal question
na

Post question
ethnicity of NUHDSS individual (res_ethnicity)

File: NUHDSS Residency_anon_2002-2015

na

Interviewer instructions

na

province in Kenya in which individual was born (res_birthprovince)

File: NUHDSS Residency_anon_2002-2015

<table>
<thead>
<tr>
<th>Overview</th>
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</table>

Description
Province in Kenya in which individual was born.

Universe
All residents.

Source of information
The respondent.

Pre question
na

Literal question
What province and district were you/(NAME) born?

Post question
na

Interviewer instructions
Write down the NAME specifying the PROVINCE and DISTRICT where the in migrant was born. The NAME of area where migrant moved from should be recorded on the dotted line.

district in Kenya in which individual was born (res_birthdistrict)

File: NUHDSS Residency_anon_2002-2015

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Description
District in Kenya in which individual was born.

Universe
All residents.

Source of information
The respondent.

Pre question
na

Literal question
What province and district were you/(NAME) born?

Post question
na
district in Kenya in which individual was born (res_birthdistrict)

File: NUHDSS Residency_anon_2002-2015

**Interviewer instructions**

Write down the NAME specifying the PROVINCE and DISTRICT where the in migrant was born. The NAME of area where migrant moved from should be recorded on the dotted line.

type of area in Kenya in which individual was born (res_birthareatype)

File: NUHDSS Residency_anon_2002-2015

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<th>Overview</th>
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<td>Range: 1-9999995</td>
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<tr>
<td>Valid cases: 3295070</td>
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<td>Invalid: 0</td>
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</tbody>
</table>

**Description**

Type of area in Kenya in which individual was born.

**Universe**

All residents.

**Source of information**

The respondent.

**Pre question**

na

**Literal question**

RECORD CODE FOR PLACE OF BIRTH

**Post question**

na

**Interviewer instructions**

Record the code for the place of birth using Code Sheet A5.

relationship to household head at event (res_reltohhh)

File: NUHDSS Residency_anon_2002-2015

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</table>

**Description**

The individual’s relationship to household head during the residency episode.

**Universe**

All residents.

**Source of information**

The respondent.

**Pre question**

na

**Literal question**

na

**Post question**

na

**Interviewer instructions**
relationship to household head at event (res_reltohhh)
File: NUHDSS Residency_anon_2002-2015
na

NUHDSS individual (anonymizer all rounds)
(res_hhh_individualid_anon)
File: NUHDSS Residency_anon_2002-2015

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<table>
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<th>Interviewer instructions</th>
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date of birth of NUHDSS household head (%td format)
(res_hhh_datebirth)
File: NUHDSS Residency_anon_2002-2015

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<table>
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<th>Post question</th>
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<tr>
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<table>
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<tr>
<th>Interviewer instructions</th>
</tr>
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</table>
gender of NUHDSS household head (res_hhh_gender)
File: NUHDSS Residency_anon_2002-2015

Overview
Type: Discrete
Format: numeric
Valid cases: 3294726
Invalid: 344
Width: 21
Decimals: 0
Range: 1-9999995

Description
The gender of NUHDSS household head.

Universe
All residents.

Source of information
na

Pre question
na

Literal question
na

Post question
na

Interviewer instructions
na

ethnicity of NUHDSS household head (res_hhh_ethnicity)
File: NUHDSS Residency_anon_2002-2015

Overview
Type: Discrete
Format: numeric
Valid cases: 3294726
Invalid: 344
Width: 26
Decimals: 0
Range: 1-9999995

Description
The ethnicity of NUHDSS household head.

Universe
All residents.

Source of information
na

Pre question
na

Literal question
na

Post question
na

Interviewer instructions
na

age in completed days at the beginning of each episode (res_agebeg)
File: NUHDSS Residency_anon_2002-2015

Overview

27
age in completed days at the beginning of each episode (res_agebeg)
File: NUHDSS Residency_anon_2002-2015

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| Width: 9         | Minimum: 0           |
| Decimals: 0      | Maximum: 38535       |
| Range: 0-38535   | Mean: 8012           |
|                  | Standard deviation: 5764.3 |

**Description**
The age at in days when the residency episode began.

**Universe**
All residents.

**Source of information**
Calculated using the individuals date of birth (res_datebirth) and the date when the residency episode began (res_datebeg).

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

age in completed days (res_ageday)
File: NUHDSS Residency_anon_2002-2015

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</table>

**Description**
The age at in days when the residency episode ended/occurred.

**Universe**
All residents.

**Source of information**
Calculated using the individuals date of birth (res_datebirth) and the date when the residency episode ended/occurred (res_eventdate).

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

age in completed months (res_agemonth)
File: NUHDSS Residency_anon_2002-2015
age in completed months (res_agemonth)
File: NUHDSS Residency_anon_2002-2015

<table>
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<th>Overview</th>
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<td>Maximum: 1269</td>
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<tr>
<td>Mean: 281.5</td>
</tr>
<tr>
<td>Standard deviation: 181.5</td>
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</tbody>
</table>

Description
The age at in completed months when the residency episode ended/occurred.

Universe
All residents.

Source of information
Calculated using the individuals date of birth (res_datebirth) and the date when the residency episode ended/occurred (res_eventdate).

Pre question
na

Literal question
na

Post question
na

Interviewer instructions
na

age in completed years (integer) (res_ageyear)
File: NUHDSS Residency_anon_2002-2015

<table>
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<td>Minimum: 0</td>
</tr>
<tr>
<td>Maximum: 105</td>
</tr>
<tr>
<td>Mean: 23</td>
</tr>
<tr>
<td>Standard deviation: 15.1</td>
</tr>
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</table>

Description
The age at in completed years when the residency episode ended/occurred.

Universe
All residents.

Source of information
Calculated using the individuals date of birth (res_datebirth) and the date when the residency episode ended/occurred (res_eventdate).

Pre question
na

Literal question
na

Post question
na

Interviewer instructions
na
### Age Group (res_agegroup)

**File:** NUHDSS Residency_anon_2002-2015

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</table>

**Description**
The agegroup of the individual when the residency episode ended/occurred.

**Universe**
All residents.

**Source of information**
Calculated by stsplitting the age in days (res_ageday) at 0 years, 1 year and at 5-year intervals from age 5-80 years for the period during which the individual has residency episodes. The stsplit creates residency episodes that denote when the age group changed.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

### has ever attended school (edu_everschool)

**File:** NUHDSS Residency_anon_2002-2015

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<tbody>
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<tr>
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<tr>
<td><strong>Valid cases:</strong> 3295070</td>
</tr>
<tr>
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**Description**
Has ever attended school.

**Universe**
All residents aged 6-40 years.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
Have you/(Name) ever attended school? (1=YES; 2=NO)

**Post question**
[ IF 2 SKIP TO THE NEXT PERSON]

**Interviewer instructions**
Record the response and skip to the next person if the response is 2=NO.

### highest level of school ever attended (edu_everschool_level)

**File:** NUHDSS Residency_anon_2002-2015
highest level of school ever attended (edu_everschool_level)
File: NUHDSS Residency_anon_2002-2015

<table>
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<tr>
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<tr>
<td>Range: 0-9999995</td>
</tr>
<tr>
<td>Valid cases: 3295070</td>
</tr>
<tr>
<td>Invalid: 0</td>
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</tbody>
</table>

**Description**
Highest level of school ever attended.

**Universe**
All residents aged 6-40 years who have ever attended school.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
Highest level

**Post question**
na

**Interviewer instructions**
Record the highest level ever attended from one of the following levels: 1=Primary, 2=Secondary, 3=Higher, 8=Don't Know.

highest completed class at highest level of school ever attended (edu_everschool_class)
File: NUHDSS Residency_anon_2002-2015

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<tr>
<td>Valid cases: 3295070</td>
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</tr>
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</table>

**Description**
Highest completed class at highest level of school ever attended.

**Universe**
All residents aged 6-40 years who have ever attended school.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
Highest Class completed

**Post question**
na

**Interviewer instructions**
Record the highest class the individual completed at the highest level they ever attended according to Q4.5. Please note that in the Kenyan system, the highest class for 1=Primary is Class 8, the highest class for 2=Secondary is Form 4, the highest class for 3=Higher is Year 6, the highest class for 8=Don't Know is '98'. If an individual has completed less than 1 year and their highest level of attendance is 1=Primary, 2=Secondary or 3=Higher, then record '00' as the highest class that they have attended.
is currently attending school (edu_currschool)

File: NUHDSS Residency_anon_2002-2015

**Overview**

| Type: Discrete | Valid cases: 3295070 |
| Format: numeric | Invalid: 0 |
| Width: 21 | |
| Decimals: 0 | |
| Range: 0-9999995 | |

**Description**

Individual is currently attending school.

**Universe**

All residents aged 6-40 years who have ever attended school.

**Source of information**

The respondent.

**Pre question**

[CHECK Q 4.14; IF OLDER THAN 40 YEARS, SKIP TO THE NEXT PERSON]

**Literal question**

Is name currently in school? (1=YES; 2=NO)

**Post question**

[ IF 2 SKIP TO 4.12, THEN TO NEXT PERSON]

**Interviewer instructions**

Record the response for those individuals who are aged less than 40 years. If the response is 2=NO, skip to Q4.12 and then to the next household member.

highest level of school currently attending (edu_currschool_level)

File: NUHDSS Residency_anon_2002-2015

**Overview**

| Type: Discrete | Valid cases: 3295070 |
| Format: numeric | Invalid: 0 |
| Width: 21 | |
| Decimals: 0 | |
| Range: 0-9999995 | |

**Description**

Highest level of school currently attending.

**Universe**

All residents aged 6-40 years who have ever attended school and are currently attending school.

**Source of information**

The respondent.

**Pre question**

na

**Literal question**

Highest level

**Post question**

na

**Interviewer instructions**

Record the highest level currently attending for those individuals who are aged less than 40 years from one of the following levels: 1=Primary, 2=Secondary, 3=Higher, 8=Don't Know. Ensure that the highest level currently attending is not lower than the highest level ever attended in Q4.5.
highest completed class at highest level of school currently attending
(edu_currschool_class)
File: NUHDSS Residency_anon_2002-2015

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<tr>
<td>Decimals: 0</td>
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<td>Range: 0-9999995</td>
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<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highest completed class at highest level of school currently attending.</td>
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</table>

<table>
<thead>
<tr>
<th>Universe</th>
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<tbody>
<tr>
<td>All residents aged 6-40 years who have ever attended school and are currently attending school.</td>
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</table>

<table>
<thead>
<tr>
<th>Source of information</th>
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<tbody>
<tr>
<td>The respondent.</td>
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<table>
<thead>
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<th>Pre question</th>
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<table>
<thead>
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<th>Literal question</th>
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<tbody>
<tr>
<td>Current class</td>
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<table>
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<tr>
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<table>
<thead>
<tr>
<th>Interviewer instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Record the highest class the individual completed at the highest level they are currently attending according to Q4.9 for those individuals who are aged less than 40 years. Please note that in the Kenyan system, the highest class for 1=Primary is Class 8, the highest class for 2=Secondary is Form 4, the highest class for 3=Higher is Year 6, the highest class for 8=Don't Know is '98'. If an individual has completed less than 1 year and their highest level of attendance is 1=Primary, 2=Secondary or 3=Higher, then record '00' as the highest class that they have attended. Ensure that the class currently attending is consistent with the response in Q4.6.</td>
</tr>
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</table>

type of school currently attending (edu_currschool_type)
File: NUHDSS Residency_anon_2002-2015

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<td>Format: numeric</td>
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<tr>
<td>Valid cases: 3295070</td>
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<td>Invalid: 0</td>
</tr>
<tr>
<td>Width: 21</td>
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<tr>
<td>Decimals: 0</td>
</tr>
<tr>
<td>Range: 1-9999995</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>The type of school currently attending.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Universe</th>
</tr>
</thead>
<tbody>
<tr>
<td>All residents aged 6-40 years who have ever attended school and are currently attending school.</td>
</tr>
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</table>

<table>
<thead>
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<th>Source of information</th>
</tr>
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<tr>
<td>The respondent.</td>
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<table>
<thead>
<tr>
<th>Pre question</th>
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</thead>
<tbody>
<tr>
<td>[FW: IF Q4.9 LEVEL IS NOT 1 OR 2, SKIP TO THE NEXT PERSON]</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Literal question</th>
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<tbody>
<tr>
<td>What type of school is (NAME) currently attending?</td>
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<table>
<thead>
<tr>
<th>Post question</th>
</tr>
</thead>
<tbody>
<tr>
<td>na</td>
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<table>
<thead>
<tr>
<th>Interviewer instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>What type of school is (NAME) currently attending? - Record this response for those individuals who are aged less than 40 years and who are currently attending 1=Primary, 2=Secondary in Q4.9.</td>
</tr>
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</table>
individual has had an income-generating activity in past 30 days (iga_hasiga)

File: NUHDSS Residency_anon_2002-2015

Overview
Type: Discrete
Format: numeric
Width: 21
Decimals: 0
Range: 0-9999995

Validity
Valid cases: 3295070
Invalid: 0

Description
Individual has had an income-generating activity in past 30 days.

Universe
All residents aged 12 years and above.

Source of information
The respondent.

Pre question
na

Literal question
Have you/(NAME) been involved in an income generating activity in the past 30 days?

Post question
[IF 1; SKIP TO Q4.13]

Interviewer instructions
Record the response for those individuals aged 12 years and above. If the response is YES, skip to Q4.13

reason individual has not had an income-generating activity in past 30 days (iga_noigareason)

File: NUHDSS Residency_anon_2002-2015

Overview
Type: Discrete
Format: numeric
Width: 26
Decimals: 0
Range: 1-9999995

Validity
Valid cases: 3295070
Invalid: 0

Description
The reason individual has not had an income-generating activity in past 30 days.

Universe
All residents aged 12 years and above who were not involved in an income generating activity in the past 30 days.

Source of information
The respondent.

Pre question
na

Literal question
Why were you/was (NAME) not in an income generating activity?

Post question
[FOOTNOTE 1] [SKIP TO 4.16 OR 8.1 AS IS APPROPRIATE ]

Interviewer instructions
This question is administered to those who stated NO in Q4.11 from among the following choices: 01=Too old, 02=Retired, 03=Household responsibilities, 04=In school, 05=Too young, 06=Sick/ill, 07=Can't find work, 08=Doesn't want, 09=Lost job, 10=Pregnancy 96=Other (specify). After recording the response, skip to Q4.16 or Q8.1 as appropriated
type of income-generating activity (iga_typefiga)
File: NUHDSS Residency_anon_2002-2015

Overview
Type: Discrete
Format: numeric
Width: 26
Decimals: 0
Range: 0-9999995
Valid cases: 3295070
Invalid: 0

Description
The type of income-generating activity the individual engaged in the past 30 days.

Universe
All residents aged 12 years and above who were involved in an income generating activity in the past 30 days.

Source of information
The respondent.

Pre question
na

Literal question
What was the main activity that you have been involved in?

Post question
na

Interviewer instructions
This question is administered to those who stated YES in Q4.11 from among the following choices: 01=Unestablished own business, 02=Established own business, 03=Informal casual, 04=Informal salaried, 05=Formal salaried, 06=Formal casual, 07=Rural Agriculture, 08=Urban Agriculture, 96=Other (specify)

duration of involvement (months) in this income generating activity (iga_durofiga)
File: NUHDSS Residency_anon_2002-2015

Overview
Type: Discrete
Format: numeric
Width: 21
Decimals: 0
Range: 0-9999995
Valid cases: 3295070
Invalid: 0

Description
The total duration of involvement (months) in this income generating activity.

Universe
All residents aged 12 years and above who were involved in an income generating activity in the past 30 days.

Source of information
The respondent.

Pre question
na

Literal question
How long have you been involved in this main activity?

Post question
na

Interviewer instructions
Record the duration of the activity in the appropriate box. Probe as much as possible to obtain the duration.
income(KES)-last 30 days paid in:cash (iga_inc30days_cash)
File: NUHDSS Residency_anon_2002-2015

**Overview**
Type: Discrete  
Format: numeric  
Width: 21  
Decimals: 0  
Range: 1-9999995  
Valid cases: 3295070  
Invalid: 0

**Description**
Total cash income(KES) earned in the last 30 days.

**Universe**
All residents aged 12 years and above who were involved in an income generating activity in the past 30 days.

**Source of information**
The response.

**Pre question**
na

**Literal question**
How much income did you/(NAME) make in the past 30 days from all activities that you were involved in?

**Post question**
na

**Interviewer instructions**
This is a very sensitive question and requires you to be tactful and to be able to justify the usefulness of this information for the study. Note that income can be both in form of cash and also in kind. If the income is in kind, record its monetary value in KES in the box labelled KIND.

income(KES)-last 30 days paid in:kind (iga_inc30days_kind)
File: NUHDSS Residency_anon_2002-2015

**Overview**
Type: Discrete  
Format: numeric  
Width: 21  
Decimals: 0  
Range: 1-9999995  
Valid cases: 3295070  
Invalid: 0

**Description**
Total in-kind income(KES) earned in the last 30 days.

**Universe**
All residents aged 12 years and above who were involved in an income generating activity in the past 30 days.

**Source of information**
The response.

**Pre question**
na

**Literal question**
How much income did you/(NAME) make in the past 30 days from all activities that you were involved in?

**Post question**
na

**Interviewer instructions**
This is a very sensitive question and requires you to be tactful and to be able to justify the usefulness of this information for the study. Note that income can be both in form of cash and also in kind. If the income is in kind, record its monetary value in KES in the box labelled KIND.
current marital status (mar_maritalstatus)
File: NUHDSS Residency_anon_2002-2015

<table>
<thead>
<tr>
<th>Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type: Discrete</td>
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<tr>
<td>Format: numeric</td>
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<tr>
<td>Width: 21</td>
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<tr>
<td>Decimals: 0</td>
</tr>
<tr>
<td>Range: 0-9999995</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual's current marital status.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Universe</th>
</tr>
</thead>
<tbody>
<tr>
<td>All residents aged 12 years and above.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Source of information</th>
</tr>
</thead>
<tbody>
<tr>
<td>The respondent.</td>
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<table>
<thead>
<tr>
<th>Pre question</th>
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<tbody>
<tr>
<td>na</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Literal question</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is your/(NAME’S) current marital status? Are you: 01=Married; 02=Living with a man/woman; 03=Widowed 04=Separated; 05=Divorced; 06=Never married</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Post question</th>
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</thead>
<tbody>
<tr>
<td>[IF 06; SKIP TO Q4.11]</td>
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<table>
<thead>
<tr>
<th>Interviewer instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Record the response and skip to Q4.11 if the respondent says NO.</td>
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</table>

biological parents alive (par_parentsalive)
File: NUHDSS Residency_anon_2002-2015

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<table>
<thead>
<tr>
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<tbody>
<tr>
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</table>

<table>
<thead>
<tr>
<th>Universe</th>
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</thead>
<tbody>
<tr>
<td>All residents.</td>
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</table>

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Calculated using paternal and maternal survival status.</td>
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<table>
<thead>
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<tbody>
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</table>

<table>
<thead>
<tr>
<th>Literal question</th>
</tr>
</thead>
<tbody>
<tr>
<td>na</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Post question</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Interviewer instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>na</td>
</tr>
</tbody>
</table>

biological parents stay in the same household (par_parentsstayinhhd)
File: NUHDSS Residency_anon_2002-2015
**biological parents stay in the same household (par_parentsstayinhhd)**

**Overview**

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<tr>
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<tbody>
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<tr>
<td>Decimals:</td>
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</tr>
<tr>
<td>Range:</td>
<td>1-9999995</td>
</tr>
</tbody>
</table>

Valid cases: 3295070
Invalid: 0

**Description**

Biological parents stay in the same household as the individual.

**Universe**

All residents.

**Source of information**

Calculated using paternal and maternal residence.

**Pre question**

na

**Literal question**

na

**Post question**

na

**Interviewer instructions**

na

---

**biological mother alive (par_momalive)**

**Overview**

<table>
<thead>
<tr>
<th>Type:</th>
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<tbody>
<tr>
<td>Format:</td>
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<tr>
<td>Decimals:</td>
<td>0</td>
</tr>
<tr>
<td>Range:</td>
<td>0-9999995</td>
</tr>
</tbody>
</table>

Valid cases: 3295070
Invalid: 0

**Description**

Biological mother alive.

**Universe**

All residents.

**Source of information**

The respondent.

**Pre question**

na

**Literal question**

Is (NAME's) biological mother alive?

**Post question**

(1=YES; 2=NO; 8=DON'T KNOW)

**Interviewer instructions**

Record the response and skip to Q5.7 if the response is 2=NO; 8=DON'T KNOW.

---

**biological mother's place of stay (par_momplaceofstay)**

**Overview**
biological mother's place of stay (par_momplaceofstay)

**File: NUHDSS Residency_anon_2002-2015**

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<tr>
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<td>Decimals: 0</td>
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<tr>
<td>Range: 1-9999995</td>
<td></td>
</tr>
</tbody>
</table>

**Valid cases:** 3295070
**Invalid:** 0

**Description**
Biological mother's place of stay.

**Universe**
All residents whose biological mother is alive.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
Where does the mother live?

**Post question**
na

**Interviewer instructions**
Record the appropriate response according to CODE SHEET A5. If not 01=Within same DSA Slum or 02=Other DSA Nairobi slum, skip to Q5.7.

biological mother stays in the same household (par_momstaysinhhd)

**File: NUHDSS Residency_anon_2002-2015**

**Overview**

<table>
<thead>
<tr>
<th>Type: Discrete</th>
<th>Format: numeric</th>
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<td>Decimals: 0</td>
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<tr>
<td>Range: 0-9999995</td>
<td></td>
</tr>
</tbody>
</table>

**Valid cases:** 3295070
**Invalid:** 0

**Description**
Biological mother stays in the same household as the individual.

**Universe**
All residents whose biological mother is alive and resides in the DSA.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
Does the mother live in this/your household?

**Post question**
(1=YES; 2=NO)

**Interviewer instructions**
If the mother lives in the household, that is, the response is YES, skip to Q5.7.

NUHDSS individual (anonymizer all rounds)
(par_mom_individualid_anon)

**File: NUHDSS Residency_anon_2002-2015**

### NUHDSS individual (anonymizer all rounds)

**File: NUHDSS Residency_anon_2002-2015**

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<tr>
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</tr>
<tr>
<td><strong>Invalid:</strong> 0</td>
<td></td>
</tr>
</tbody>
</table>

**Description**

Biological mother's NUHDSS individual (anonymizer all rounds).

**Universe**

All residents.

**Source of information**

The interviewer.

**Pre question**

na

**Literal question**

FW: SELECT MOTHER'S ID

**Post question**

na

**Interviewer instructions**

Record the mother’s 14-character alphanumeric ID

---

### Biological mother's date of birth (par_mom_datebirth)

**File: NUHDSS Residency_anon_2002-2015**

<table>
<thead>
<tr>
<th>Overview</th>
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</thead>
<tbody>
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<tr>
<td><strong>Maximum:</strong> NaN</td>
<td></td>
</tr>
</tbody>
</table>

**Description**

The date of birth of the biological mother.

**Universe**

All residents.

**Source of information**

The interviewer.

**Pre question**

na

**Literal question**

na

**Post question**

na

**Interviewer instructions**

na

---

### Ethnicity of NUHDSS individual (par_mom_ethnicity)

**File: NUHDSS Residency_anon_2002-2015**

<table>
<thead>
<tr>
<th>Overview</th>
<th></th>
</tr>
</thead>
</table>

---

...
ethnicity of NUHDSS individual (par_mom_ethnicity)
File: NUHDSS Residency_anon_2002-2015

Type: Discrete
Format: numeric
Width: 26
Decimals: 0
Range: 1-9999995

Description
The ethnicity of the biological mother.

Universe
All residents.

Source of information
The interviewer.

Pre question
na

Literal question
na

Post question
na

Interviewer instructions
na

biological father alive (par_popalive)
File: NUHDSS Residency_anon_2002-2015

Type: Discrete
Format: numeric
Width: 21
Decimals: 0
Range: 0-9999995

Description
Biological father alive.

Universe
All residents.

Source of information
The respondent.

Pre question
na

Literal question
Is (NAME'S) biological father alive?

Post question
(1=YES; 2=NO; 8=DON'T KNOW)

Interviewer instructions
Record the response and skip to Q4.16 if the response is 2=NO; 8=DON'T KNOW and the individual is a female aged 12-49 and end the interview for all other individuals.

biological father's place of stay (par_popplaceofstay)
File: NUHDSS Residency_anon_2002-2015
biological father's place of stay (par_popplaceofstay)
File: NUHDSS Residency_anon_2002-2015

| Type: Discrete | Valid cases: 3295070 |
| Format: numeric | Invalid: 0 |
| Width: 21 | |
| Decimals: 0 | |
| Range: 1-9999995 | |

**Description**
Biological father's place of stay.

**Universe**
All residents whose biological father is alive.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
Where does the father live?

**Post question**
na

**Interviewer instructions**
Record the appropriate response according to CODE SHEET A5. If not 01=Within same DSA Slum or 02=Other DSA Nairobi slum, skip to Q4.16 if the response is 2=NO; 8=DON'T KNOW and the individual is a female aged 12-49 and end the interview for all other individuals.

---

biological father stays in the same household (par_popstaysinhhd)
File: NUHDSS Residency_anon_2002-2015

| Overview |
| Type: Discrete | Valid cases: 3295070 |
| Format: numeric | Invalid: 0 |
| Width: 21 | |
| Decimals: 0 | |
| Range: 0-9999995 | |

**Description**
Biological father stays in the same household as the individual.

**Universe**
All residents whose biological father is alive and resides in the DSA.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
Does the father live in this/your household?

**Post question**
(1=YES; 2=NO)

**Interviewer instructions**
If the father lives in the household, that is, the response is YES, skip to Q4.16 if the response is 2=NO; 8=DON'T KNOW and the individual is a female aged 12-49 and end the interview for all other individuals.
NUHDSS individual (anonymizer all rounds)
(par_pop_individualid_anon)

File: NUHDSS Residency_anon_2002-2015

Overview

| Type: Discrete | Valid cases: 274433 |
| Format: character | Minimum: NaN |
| Width: 36 | Maximum: NaN |

Description

Biological father's NUHDSS individual (anonymizer all rounds).

Universe

All residents.

Source of information

The interviewer.

Pre question

na

Literal question

FW: SELECT FATHER'S ID

Post question

na

Interviewer instructions

Record the father's 14-character alphanumeric ID

biological father's date of birth (par_pop_datebirth)

File: NUHDSS Residency_anon_2002-2015

Overview

| Type: Discrete | Valid cases: 274433 |
| Format: character | Minimum: NaN |
| Width: 11 | Maximum: NaN |

Description

The date of birth of the biological father.

Universe

All residents.

Source of information

The interviewer.

Pre question

na

Literal question

na

Post question

na

Interviewer instructions

na

pregnancy status (pge_pregstatus)

File: NUHDSS Residency_anon_2002-2015

Overview
pregnancy status (pge_pregstatus)

File: NUHDSS Residency_anon_2002-2015

Type: Discrete
Format: numeric
Valid cases: 3295070
Invalid: 0
Width: 36
Decimals: 0
Range: -1-9999995

Description
The pregnancy status of the woman.

Universe
All female residents aged 12-49 years.

Source of information
The respondent.

Pre question
FW: Q4.16 & Q4.17 WILL BE ASKED OF WOMEN WITH PREGNANCIES REGISTERED IN THE PREVIOUS ROUND.
FW ALWAYS READ THE FOLLOWING POINTS TO THE RESPONDENT WHEN ASKING ABOUT PREGNANCIES FOR WOMEN AGED 12-49.
Now I would like to ask you whether any of the female members of your household aged 12 years or above is pregnant.
Knowing the number of women who are pregnant in the community is important in understanding whether the health services that help pregnant women are sufficient and, if not, what to do to improve them. It may sound strange to ask these questions about young girls, but we are doing this because our research shows that some girls as young as 12 years get pregnant in the community. As noted before, this information will be treated with utmost confidentiality and will be used for research purposes only.

Literal question
Is (NAME) pregnant?

Post question
[YES= 1; NO= 2; DON'T KNOW= 8] [IF 2 OR 8 SKIP TO NEXT PERSON IN 4.1]

Interviewer instructions
Record the response is NO= 2 or DON'T KNOW= 8 then skip to the next individual.

---

current religion (rel_religionstatus)

File: NUHDSS Residency_anon_2002-2015

Overview
Type: Discrete
Format: numeric
Valid cases: 3295070
Invalid: 0
Width: 25
Decimals: 0
Range: 0-9999995

Description
Current religion.

Universe
All residents.

Source of information
The respondent.

Pre question
na

Literal question
What religion do you/does (NAME) belong to?

Post question
[01=Catholic; 02=Protestant; 4=Pentecostal/Charismatic; 05=Other Christian; 06=Muslim; 07=No Religion; 96=Other (Specify)] [Q4.8 -4.15 SHOULD BE ASKED OF ALL AGED 12 & ABOVE]

Interviewer instructions
Use the codes provided to fill in the appropriate religion for each individual.
underlying cause of death: final (res_pcod_under_final)
File: NUHDSS Residency_anon_2002-2015

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<thead>
<tr>
<th>Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type: Discrete</td>
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<tr>
<td>Valid cases: 83903</td>
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<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>The final underlying cause of death (ICD-10 code).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Universe</th>
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<tbody>
<tr>
<td>All residency episodes where the event is a DEATH.</td>
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</table>

<table>
<thead>
<tr>
<th>Source of information</th>
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<tbody>
<tr>
<td>2 independent physicians.</td>
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<table>
<thead>
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<table>
<thead>
<tr>
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<table>
<thead>
<tr>
<th>Post question</th>
</tr>
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<tr>
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<table>
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<tr>
<th>Interviewer instructions</th>
</tr>
</thead>
<tbody>
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<td>na</td>
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broad underlying cause of death: final (res_pcodbroad_under_final)
File: NUHDSS Residency_anon_2002-2015

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<th>Overview</th>
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<tr>
<td>Valid cases: 83903</td>
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<tr>
<td>Invalid: 3211167</td>
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<tr>
<th>Description</th>
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<tbody>
<tr>
<td>The final underlying cause of death (ICD-10 code) (collapsed into these broad categories: AIDS/HIV, anaemia, asthma, cardiovascular, COPD, diabetets mellitus, diarrhoeal diseases, direct obstetric, infectious diseases, injuries, liver disease, malaria, malnutrition, meningitis, neonatal causes, malignancies, respiratory tract infections, tuberculosis).</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Universe</th>
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<tbody>
<tr>
<td>All residency episodes where the event is a DEATH.</td>
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<table>
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<td>2 independent physicians.</td>
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<tr>
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general underlying cause of death: final (res_pcodgeneral_under_final)
File: NUHDSS Residency_anon_2002-2015
general underlying cause of death: final (res_pcodgeneral_under_final)
File: NUHDSS Residency_anon_2002-2015

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Description
The final underlying cause of death (ICD-10 code) (collapsed into these general categories: communicable disease, non-communicable disease, external cause).

Universe
All residency episodes where the event is a DEATH.

Source of information
2 independent physicians.

Pre question
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Literal question
na

Post question
na

Interviewer instructions
na

immediate cause of death: final (res_pcodimmed_final)
File: NUHDSS Residency_anon_2002-2015

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Description
The final immediate cause of death (ICD-10 code).

Universe
All residency episodes where the event is a DEATH.

Source of information
2 independent physicians.

Pre question
na

Literal question
na

Post question
na

Interviewer instructions
na

broad immediate cause of death: final (res_pcodbroad_immed_final)
File: NUHDSS Residency_anon_2002-2015
broad immediate cause of death: final (res_pcodbroad_immed_final)
File: NUHDSS Residency_anon_2002-2015

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general immediate cause of death: final
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1st cause of death by InterVA (res_icod_1)
File: NUHDSS Residency_anon_2002-2015

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<tr>
<td>Generated using InterVA-4 software, which uses probabilistic models based on Bayes' theorem to interpret symptom data and determine possible causes of death.</td>
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broad 1st cause of death by InterVA (res_icodbroad_1)
File: NUHDSS Residency_anon_2002-2015

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general 1st cause of death by InterVA (res_icodgeneral_1)  
File: NUHDSS Residency_anon_2002-2015

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Valid cases: 83903  
Invalid: 3211167

**Description**  
The 1st probable cause of death (ICD-10 code) assigned by interVA-4 software (collapsed into these general categories: communicable disease, non-communicable disease, external cause).

**Universe**  
All residency episodes where the event is a DEATH.

**Source of information**  
Generated using InterVA-4 software, which uses probabilistic models based on Bayes' theorem to interpret symptom data and determine possible causes of death.

**Pre question**  
na

**Literal question**  
na

**Post question**  
na

**Interviewer instructions**  
na

individual has ever outmigrated (resEveroutmigrated)  
File: NUHDSS Residency_anon_2002-2015

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Valid cases: 3295070  
Invalid: 0

**Description**  
The individual has ever outmigrated.

**Universe**  
All residents.

**Source of information**  
Calculated using the history of residency episodes.

**Pre question**  
na

**Literal question**  
na

**Post question**  
na

**Interviewer instructions**  
na
province in Kenya from which individual came (res_inmvmt_fromprovince)

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**Description**
Province in Kenya from which individual came.

**Universe**
All residency episodes where a change of residence-entry and/or an immigration event occurred.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

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district in Kenya from which individual came (res_inmvmt_fromdistrict)

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**Description**
District in Kenya from which individual came.

**Universe**
All residency episodes where a change of residence-entry and/or an immigration event occurred.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na
type of area in Kenya from which individual came  
(res_inmvmt_fromareatype)  
File: NUHDSS Residency_anon_2002-2015

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**Description**  
Type of area in Kenya from which individual came.

**Universe**  
All residency episodes where a change of residence-entry and/or an immigration event occurred.

**Source of information**  
The respondent.

**Pre question**  
na

**Literal question**  
na

**Post question**  
na

**Interviewer instructions**  
na

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village in nairobi slum from which individual came  
(res_inmvmt_fromvillage)  
File: NUHDSS Residency_anon_2002-2015

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**Description**  
Village in Nairobi slum in Kenya from which individual came.

**Universe**  
All residency episodes where a change of residence-entry and/or an immigration event occurred.

**Source of information**  
The respondent.

**Pre question**  
na

**Literal question**  
na

**Post question**  
na

**Interviewer instructions**  
na
duration of stay (months) at place from which individual came (res_inmvmt_fromdurstay)
**File:** NUHDSS Residency_anon_2002-2015

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**Description**
Total duration of stay (months) at place from which individual came.

**Universe**
All residency episodes where a change of residence-entry and/or an immigration event occurred.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

reason for outmigrating from place from which individual came (res_inmvmt_outmigreason)
**File:** NUHDSS Residency_anon_2002-2015

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**Description**
The reason for leaving the place from which individual came.

**Universe**
All residency episodes where a change of residence-entry and/or an immigration event occurred.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na
### reason for immigrating to Nairobi (res_inmvmt_inmignboreason)

**File:** NUHDSS Residency_anon_2002-2015

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**Description**
The reason for coming to Nairobi.

**Universe**
All residency episodes where a change of residence-entry and/or an immigration event occurred.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

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### reason for immigrating to Korogocho/Viwandani (res_inmvmt_inmigdsareason)

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**Description**
The reason for coming to Korogocho/Viwandani.

**Universe**
All residency episodes where a change of residence-entry and/or an immigration event occurred.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na
since August 2002, inmigrant has ever lived in DSA
(res_inmvmt_everliveddsa)

File: NUHDSS Residency_anon_2002-2015

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**Description**
The individual has ever lived in the DS since August 2002.

**Universe**
All residency episodes where a change of residence-entry and/or an inmigration event occurred.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

individual moved to DSA temporarily or to stay
(res_inmvmt_intendtostay)

File: NUHDSS Residency_anon_2002-2015

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**Description**
This entry/inmigration is either temporary or permanent.

**Universe**
All residency episodes where a change of residence-entry and/or an inmigration event occurred.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na
duration of intended stay (months) in DSA this time around (res_inmvmt_intenddurstay)

**File: NUHDSS Residency_anon_2002-2015**

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**Description**
Total duration of intended stay (months) in DSA this time around.

**Universe**
All residency episodes where a change of residence-entry and/or an immigration event occurred.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

person(s) with whom individual moved (res_inmvmt_camewith)

**File: NUHDSS Residency_anon_2002-2015**

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**Description**
The person(s) with whom individual moved.

**Universe**
All residency episodes where a change of residence-entry and/or an immigration event occurred.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

individual's aim for moving (res_inmvmt_moveaim)

**File: NUHDSS Residency_anon_2002-2015**
individual's aim for moving (res_inmvmt_moveaim)
File: NUHDSS Residency_anon_2002-2015

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**Description**
The individual's aim for moving.

**Universe**
All residency episodes where a change of residence-entry and/or an immigration event occurred.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

individual formed an arbitrary household (res_inmvmt_arbitraryhhd)
File: NUHDSS Residency_anon_2002-2015

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**Description**
The individual formed an arbitrary household.

**Universe**
All residency episodes where a change of residence-entry and/or an immigration event occurred.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

individual had an income-generating activity before immigrating (res_inmvmt_hadiga)
File: NUHDSS Residency_anon_2002-2015

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**Description**
The individual had an income-generating activity before immigrating.

**Universe**
All residency episodes where a change of residence-entry and/or an immigration event occurred.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na
individual had an income-generating activity before inmigrating (res_inmvmt_hadiga)

**File: NUHDSS Residency_anon_2002-2015**

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**Description**
The individual had an income-generating activity before inmigrating.

**Universe**
All residency episodes where a change of residence-entry and/or an inmigration event occurred.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

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The type of income-generating activity the individual had before coming here (res_inmvmt_typeofiga)

**File: NUHDSS Residency_anon_2002-2015**

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</table>

**Description**
The type of income-generating activity the individual had before coming here.

**Universe**
All residency episodes where a change of residence-entry and/or an inmigration event occurred.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na
duration of wait (weeks) before first income generating activity in DSA (res_inmvmt_durtoiga)  
**File: NUHDSS Residency_anon_2002-2015**

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**Description**  
The total duration of wait (weeks) before the individual obtained their first income generating activity in DSA.

**Universe**  
All residency episodes where a change of residence-entry and/or an inmigration event occurred.

**Source of information**  
The respondent.

**Pre question**  
na

**Literal question**  
na

**Post question**  
na

**Interviewer instructions**  
na

province in Kenya to which individual went (res_outmvmt_toprovince)  
**File: NUHDSS Residency_anon_2002-2015**

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**Description**  
Province in Kenya to which individual went.

**Universe**  
All residency episodes where a change of residence-exit and/or an outmigration event occurred.

**Source of information**  
The respondent.

**Pre question**  
na

**Literal question**  
na

**Post question**  
na

**Interviewer instructions**  
na

district in Kenya to which individual went (res_outmvmt_todistrict)  
**File: NUHDSS Residency_anon_2002-2015**
district in Kenya to which individual went (res_outmvmt_todistrict)

File: NUHDSS Residency_anon_2002-2015

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<td>District in Kenya to which individual went.</td>
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type of area in Kenya to which individual went
(res_outmvmt_toareatype)

File: NUHDSS Residency_anon_2002-2015

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|-----------------|-----------------|
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<table>
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<th>Post question</th>
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<tbody>
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<table>
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<tr>
<th>Interviewer instructions</th>
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</table>
village in nairobi slum to which individual went (res_outmvmt_tovillage)
File: NUHDSS Residency_anon_2002-2015

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Description
Village in Nairobi slum in Kenya to which individual went.

Universe
All residency episodes where a change of residence-exit and/or an outmigration event occurred.

Source of information
The respondent.

Pre question
na

Literal question
na

Post question
na

Interviewer instructions
na

reason for outmigrating (res_outmvmt_outmigreason)
File: NUHDSS Residency_anon_2002-2015

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Description
The reason for exiting/outmigrating.

Universe
All residency episodes where a change of residence-exit and/or an outmigration event occurred.

Source of information
The respondent.

Pre question
na

Literal question
na

Post question
na

Interviewer instructions
na

person(s) with whom individual moved (res_outmvmt_leftwith)
File: NUHDSS Residency_anon_2002-2015
person(s) with whom individual moved (res_outmvmt_leftwith)
File: NUHDSS Residency_anon_2002-2015

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**Description**
The person(s) with whom individual moved.

**Universe**
All residency episodes where a change of residence-exit and/or an outmigration event occurred.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

outmigrant was ill (res_outmvmt_wasill)
File: NUHDSS Residency_anon_2002-2015

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**Description**
The individual was ill.

**Universe**
All residency episodes where a change of residence-exit and/or an outmigration event occurred.

**Source of information**
The respondent.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

outmigrant's illness (res_outmvmt_illness)
File: NUHDSS Residency_anon_2002-2015

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# outmigrant's illness (res_outmvmt_illness)

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**Description**  
The individual's illness.

**Universe**  
All residency episodes where a change of residence-exit and/or an outmigration event occurred.

**Source of information**  
The respondent.

**Pre question**  
na

**Literal question**  
na

**Post question**  
na

**Interviewer instructions**  
na

---

# female outmigrant was pregnant (res_outmvmt_waspreg)

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**Valid cases:** 3295070  
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**Description**  
The female was pregnant.

**Universe**  
All residency episodes where a change of residence-exit and/or an outmigration event occurred among female residents.

**Source of information**  
The respondent.

**Pre question**  
na

**Literal question**  
na

**Post question**  
na

**Interviewer instructions**  
na

---

# duration of female outmigrant's pregnancy (months)  
(res_outmvmt_pregmths)

**File:** NUHDSS Residency_anon_2002-2015  
**Overview**

---
duration of female outmigrant's pregnancy (months)  
(res_outmvmt_pregmths)  
File: NUHDSS Residency_anon_2002-2015  
| Type: Discrete | Valid cases: 3295070 |
| Format: numeric | Invalid: 0 |
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| Decimals: 0 | |
| Range: 1-9999995 | |

**Description**  
The total duration of female outmigrant's pregnancy (months).  

**Universe**  
All residency episodes where a change of residence-exit and/or an outmigration event occurred among female residents.  

**Source of information**  
The respondent.  

**Pre question**  
na  

**Literal question**  
na  

**Post question**  
na  

**Interviewer instructions**  
na  

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**type of residency change (res_outmvmt_typechange)**  
File: NUHDSS Residency_anon_2002-2015  

| Overview |  
| --- | --- |
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**Description**  
The type of residency change.  

**Universe**  
All residency episodes where a change of residence-exit and/or an outmigration event occurred.  

**Source of information**  
The respondent.  

**Pre question**  
na  

**Literal question**  
na  

**Post question**  
na  

**Interviewer instructions**  
na  

---  

**individual had an OUTMIGRATION/EXIT interview (censor_isoutmvmt)**  
File: NUHDSS Residency_anon_2002-2015
individual had an **OUTMIGRATION/EXIT** interview (censor_isoutmvmt)

**File: NUHDSS Residency_anon_2002-2015**

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<table>
<thead>
<tr>
<th>Description</th>
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<tbody>
<tr>
<td>This residency episode denotes a change of residence-exit and/or an outmigration for which an interview was conducted to obtain the details of the movement.</td>
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<table>
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<td>All residency episodes that are change of residence-exit and/or an outmigration.</td>
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<table>
<thead>
<tr>
<th>Interviewer instructions</th>
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individual had an **INMIGRATION/ENTER** interview (censor_isinmvmt)

**File: NUHDSS Residency_anon_2002-2015**

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<tr>
<td>This residency episode denotes a change of residence-entry and/or an immigration for which an interview was conducted to obtain the details of the movement.</td>
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<tbody>
<tr>
<td>All residency episodes that are change of residence-entry and/or an immigration.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Source of information</th>
</tr>
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<tbody>
<tr>
<td>Calculated.</td>
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<tr>
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<tbody>
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<table>
<thead>
<tr>
<th>Literal question</th>
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<tbody>
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<thead>
<tr>
<th>Post question</th>
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<tbody>
<tr>
<td>na</td>
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<thead>
<tr>
<th>Interviewer instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>na</td>
</tr>
</tbody>
</table>
individual had a BIRTH event (censor_birth)
File: NUHDSS Residency_anon_2002-2015

| Overview | Valid cases: 3295070  
|          | Invalid: 0 |

| Type: Discrete |
| Format: numeric |
| Width: 21 |
| Decimals: 0 |
| Range: 0-9999995 |

| Description |
| This residency episode denotes the occurrence of a birth and only applies to individuals born in the DSA since August 2002. |

| Universe |
| All residency episodes that are births. |

| Source of information |
| Calculated. |

| Pre question |
| na |

| Literal question |
| na |

| Post question |
| na |

| Interviewer instructions |
| na |

individual had a DEATH event (censor_death)
File: NUHDSS Residency_anon_2002-2015

| Overview | Valid cases: 3295070  
|          | Invalid: 0 |

| Type: Discrete |
| Format: numeric |
| Width: 21 |
| Decimals: 0 |
| Range: 0-9999995 |

| Description |
| This residency episode denotes the occurrence of a death and is the numerator in mortality rate computations. |

| Universe |
| All residency episodes that are deaths. |

| Source of information |
| Calculated. |

| Pre question |
| na |

| Literal question |
| na |

| Post question |
| na |

| Interviewer instructions |
| na |

individual had an OUTMIGRATION event (censor_out)
File: NUHDSS Residency_anon_2002-2015
individual had an OUTMIGRATION event (censor_out)
File: NUHDSS Residency_anon_2002-2015

<table>
<thead>
<tr>
<th>Description</th>
<th>This residency episode denotes the occurrence of an outmigration and is the numerator in outmigration rate computations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universe</td>
<td>All residency episodes that are actual outmigrations.</td>
</tr>
<tr>
<td>Source of information</td>
<td>Calculated.</td>
</tr>
<tr>
<td>Pre question</td>
<td>na</td>
</tr>
<tr>
<td>Literal question</td>
<td>na</td>
</tr>
<tr>
<td>Post question</td>
<td>na</td>
</tr>
<tr>
<td>Interviewer instructions</td>
<td>na</td>
</tr>
</tbody>
</table>

individual had an INMIGRATION event (censor_in)
File: NUHDSS Residency_anon_2002-2015

<table>
<thead>
<tr>
<th>Description</th>
<th>This residency episode denotes the occurrence of an inmigration and is the numerator in immigration rate computations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universe</td>
<td>All residency episodes that are actual immigrations.</td>
</tr>
<tr>
<td>Source of information</td>
<td>Calculated.</td>
</tr>
<tr>
<td>Pre question</td>
<td>na</td>
</tr>
<tr>
<td>Literal question</td>
<td>na</td>
</tr>
<tr>
<td>Post question</td>
<td>na</td>
</tr>
<tr>
<td>Interviewer instructions</td>
<td>na</td>
</tr>
</tbody>
</table>

individual had a GIVING BIRTH event (censor_gavebirth)
File: NUHDSS Residency_anon_2002-2015
### individual had a GIVING BIRTH event (censor_gavebirth)
**File:** NUHDSS Residency_anon_2002-2015

<table>
<thead>
<tr>
<th>Type:</th>
<th>Discrete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format:</td>
<td>numeric</td>
</tr>
<tr>
<td>Width:</td>
<td>21</td>
</tr>
<tr>
<td>Decimals:</td>
<td>0</td>
</tr>
<tr>
<td>Range:</td>
<td>0-9999995</td>
</tr>
</tbody>
</table>

#### Description
This residency episode denotes the occurrence of giving birth and is the numerator in fertility rate computations.

#### Universe
All residency episodes that are giving birth events among female individuals.

#### Source of information
Calculated.

#### Pre question
na

#### Literal question
na

#### Post question
na

#### Interviewer instructions
na

### individual has a PREGNANT event (censor_ispregnant)
**File:** NUHDSS Residency_anon_2002-2015

#### Overview
<table>
<thead>
<tr>
<th>Type:</th>
<th>Discrete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format:</td>
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<tr>
<td>Width:</td>
<td>21</td>
</tr>
<tr>
<td>Decimals:</td>
<td>0</td>
</tr>
<tr>
<td>Range:</td>
<td>0-9999995</td>
</tr>
</tbody>
</table>

#### Description
This residency episode denotes the occurrence of being pregnant.

#### Universe
All residency episodes that are pregnancies among female individuals.

#### Source of information
Calculated.

#### Pre question
na

#### Literal question
na

#### Post question
na

#### Interviewer instructions
na

### individual had a in-boarding school event (censor_inboardingschool)
**File:** NUHDSS Residency_anon_2002-2015

#### Overview
individual had a in-boarding school event (censor_inboardingschool)

File: NUHDSS Residency_anon_2002-2015

<table>
<thead>
<tr>
<th>Type: Discrete</th>
<th>Format: numeric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width: 21</td>
<td>Decimals: 0</td>
</tr>
<tr>
<td>Range: 0-9999995</td>
<td></td>
</tr>
</tbody>
</table>

**Description**
This residency episode denotes the occurrence of being in boarding school.

**Universe**
All residency episodes where the individual was in boarding school.

**Source of information**
Calculated.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na

this episode is a valid residency in the NUHDSS (residence)

File: NUHDSS Residency_anon_2002-2015

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<tr>
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<td>Valid cases: 3295070</td>
</tr>
<tr>
<td>Width: 21</td>
</tr>
<tr>
<td>Range: 0-9999995</td>
</tr>
</tbody>
</table>

**Description**
This residency episode denotes those episodes during which the individual was resident in the DSA and exposed to the conditions therein. The person-time contributed by the individual is the sum total of residency episodes where this variable is coded as 1, which is aggregated in the denominator for the computation of rates.

**Universe**
All residency episodes where the individual was resident in and exposed to the DSA.

**Source of information**
Calculated.

**Pre question**
na

**Literal question**
na

**Post question**
na

**Interviewer instructions**
na
Related Materials

Other materials

**Ethical Approval - NUHDSS**

<table>
<thead>
<tr>
<th>Title</th>
<th>Ethical Approval - NUHDSS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filename</td>
<td>NUHDSS &amp; UPHD.pdf</td>
</tr>
</tbody>
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