

# Water and Sanitation Impact Evaluation 2015-2019

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## Identification

SURVEY ID NUMBER  
KEN\_2015-2019\_WASHIE\_v01\_M

TITLE  
Water and Sanitation Impact Evaluation 2015-2019

SUBTITLE  
Baseline and Endline Survey

COUNTRY

Name	Country code
Kenya	KEN

STUDY TYPE  
Other Household Survey [hh/oth]

SERIES INFORMATION

There are 3 rounds for this survey: Baseline Tenant and Property Owner survey (September 2015 - March 2017), Property Owner Listing (August - September 2018), and Endline property owner survey and tenant survey (August - October 2019).

ABSTRACT

We estimate the impacts of two interventions implemented as field experiments in informal settlements by Nairobi's water and sanitation utility to improve revenue collection efficiency and last mile connection loan repayment: (i) face-to-face engagement between utility staff and customers to encourage payment and (ii) contract enforcement for service disconnection due to nonpayment in the form of transparent and credible disconnection notices. While we find no effect of the engagement, we find large effects of enforcement on payment. We also find no effect on access to water, perceptions of utility fairness or quality of service delivery, on the relationships between tenants and property owners, or on tenant mental well-being nine months after the intervention. To counterbalance the increase in payments, property owners increased rental income by renting out additional space. Taken together these results suggest that transparent contract enforcement was effective at improving revenue collection efficiency without incurring large social or political costs.

KIND OF DATA  
Sample survey data [ssd]

UNIT OF ANALYSIS  
- Multi-dwelling compound  
- Landlord  
- Tenant

## Version

VERSION DESCRIPTION

"Deidentified datasets for public distribution.

Replication files for ""Coville, Aidan, Sebastian Galiani, Paul Gertler, and Susumu Yoshida. Financing Municipal Water and Sanitation Services in Nairobi's Informal Settlements. Review of Economics and Statistics. Forthcoming." can be found in the GitHub repository: <https://github.com/worldbank/nairobi-sanitation>."

## Scope

NOTES

The scope of the survey includes:

- Property owners: household and dwelling characteristics including rent, income sources, relationships and engagement between owners and tenants, self-reported willingness to pay measures, water sources, sanitation facilities, use, and

practices, and socioeconomic characteristics.

- Tenants: number of tenants, length of tenure, lease agreements, service payment methods, rental charges, existing compound infrastructure, income, engagement with other tenants and landlord and demographic details of the household.

## Coverage

### GEOGRAPHIC COVERAGE

Informal settlements in Nairobi, Kenya

## Producers and sponsors

### PRIMARY INVESTIGATORS

Name	Affiliation
Aidan Coville	World Bank
Sebastian Galiani	University of Maryland
Paul Gertler	University of California, Berkeley

### PRODUCERS

Name	Affiliation
Susumu Yoshida	Green Climate Fund

### FUNDING AGENCY/SPONSOR

Name	Abbreviation
Strategic Impact Evaluation Fund	SIEF
Impact Evaluation to Development Impact	I2I
J-PAL Urban Services Initiative	USI
International Growth Center	IGC

### OTHER IDENTIFICATIONS/ACKNOWLEDGMENTS

Name
Nairobi City Water and Sewerage Company staff including Nahashon Muguna, Jackson Munuve, Kagiri Gicheha, Jason Mwangi, Beldina Owade, Christine Machio, Paul Mwarania, Ephantus Mugo, Martin Nangole, Lucy Njambi, Daisy Nyaboke and Owen Wanjala
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Amy Dolinger, Marco Valenza and Duncan Webb. DIME Analytics provided technical support throughout the analysis with Luiza Andrade conducting code reproducibility checks

## Sampling

### SAMPLING PROCEDURE

Landlord listing: From the utility database of all informal settlement property owners, 595 accounts were first removed from the sample to act as a pure control comparison. The remaining property owners were first called to confirm contact details and receive the base intervention. Eligibility criteria into the study included: (i) property owners were able to be contacted and their contact details could be updated; (ii) their payment accounts were in arrears and (iii) property owners did not hold multiple accounts (multiple-property owners). All eligible property owners then received the basic information intervention

and contact details were updated.

Follow up property owner survey: All property owners that were included as treatment or control for the contract enforcement intervention were to be surveyed.

## Data collection

### DATES OF DATA COLLECTION

Start	End	Cycle
2015-09-01	2017-03-31	Baseline
2018-08-01	2018-09-30	Property owner listing survey
2019-08-01	2019-10-30	Endline survey

### DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

### DATA COLLECTORS

Name
Innovations for Poverty Action

## Access policy

### CONFIDENTIALITY

## Metadata production

### DDI DOCUMENT ID

DDI\_KEN\_2015-2019\_WASHIE\_v01\_M\_WB

### PRODUCERS

Name	Abbreviation	Affiliation	Role
Development Economics Data Group	DECDG	The World Bank	Documentation of the DDI

### DATE OF METADATA PRODUCTION

2023-12-11

### DDI DOCUMENT VERSION

Version 01 (December 2023)

**data\_dictionary**

<b>Data file</b>	<b>Cases</b>	<b>variables</b>
<b>property_owner_bl.dta</b> Property owner survey baseline dataset	2287	98
<b>property_owner_end.dta</b> Property owner survey endline dataset	589	181
<b>property_owner_outreach.dta</b> Property owner outreach survey dataset	5373	55
<b>tenant_bl.dta</b> Tenant survey baseline dataset	4430	155
<b>tenant_end.dta</b> Tenant survey endline dataset	404	223



**Data file: property\_owner\_bl.dta**

Property owner survey baseline dataset

Cases: 2287

variables: 98

**variables**

ID	Name	Label	Question
V2	number_of_compounds	Number of compounds	
V3	cmpd_id	Compound ID	
V4	survey_type	Survey type	
V5	landl_gender	Gender	
V6	age	Age	
V7	lev_educ	Highest level of education	
V8	prim_occup	Primary Occupation	
V9	ownership	Sole owner of compound	
V10	no_of_coown	Number of co-owners	
V11	percent_owed	Ownership share	
V12	long_own_years	Time owned this compound: Years	
V13	long_own_months	Time owned this compound: Months	
V14	acquire	How landlord acquired the compound	
V15	purch_full	Amount acquired this compound	
V16	paid_full	Compound is paid off fully	
V17	balance	Amount owed on mortgage	
V18	value_now	Estimated sale price of compound (if had to sell now)	
V19	num_storey	Number of stories in main structure	
V20	landl_reside	Owner occupied (owner lives there without renting out)	
V21	reside_in_cmpd	Months landlord has resided in compound (in last 12 months)	
V22	rental_dwll	Compound has rental dwellings	
V23	no_of_rent_dwll	Number of rental dwellings in compound	
V24	no_of_tenants	Number of paying tenants	
V25	tenants	Had paying tenants in this compound last month	
V26	tot_rent_num	Monthly rental income (KES)	
V27	rent_default	Number of tenants failed to pay rent last month	
V28	non_paid_rent	Non-paid rent (KES)	
V29	percent_rent	Percentage of total income from this property's rental	
V30	rent_collr	Who collects rent for the compound	
V31	pay_collr	Payment for rent collector	
V32	rent_collr_pay_num	Payment for rent collector (KES)	
V33	elec_grid	Compound is connected to electricity grid	
V34	elec_work	Connection is in working condition	
V35	pay_elec	How electricity is paid	
V36	av_elec_bill_num	Monthly electricity bill (KES)	
V37	pipe_water	Compound is connected to piped water	
V38	wat_work	Water connection is in working condition	

ID	Name	Label	Question
V39	pay_water	Water is paid for the entire compound	
V40	last_wat_bill_num	Water bill last month (KES)	
V41	av_wat_bill_num	Average water bill per month (KES)	
V42	total_expend_num	Average total monthly maintenance expenditure (KES)	
V43	con_to_sew	Will connect to sewerage system when available	
V44	num_toil	Number of toilet facilities (rooms)	
V45	sept_pit	Number of pits or septic tanks	
V46	pay_exhaust	Service payments for waste removal	
V47	freq_exhaust	Number of times per year for waste removal	
V48	last_exh_cost_num	Payment for waste removal	
V49	whole	Willing to pay Ksh 600/- monthly for connection and upgrade	
V50	eighty_three_perc	Willing to pay Ksh 500/- monthly for connection and upgrade	
V51	three_quart	Willing to pay Ksh 400/- monthly for connection and upgrade	
V52	a_half	Willing to pay Ksh 300/- monthly for connection and upgrade	
V53	a_third	Willing to pay Ksh 200/- monthly for connection and upgrade	
V54	a_sixth	Willing to pay Ksh 100/- monthly for connection and upgrade	
V55	a_tenth	Willing to pay Ksh 60/- monthly for connection and upgrade	
V56	speak_member	Frequency of communication with tenants	
V57	moved_tenant	Number of paying tenants that moved out in the last 12 months	
V58	long_years	Average time tenants stay: Years	
V59	long_months	Average time tenants stay: Months	
V60	rent_on_time	Tenants pay their rent on time	
V61	good_cond	Tenants keep the compound in a good condition	
V62	improv_cmpd	Tenants request improvements in the compound	
V63	cond_of_cpd	Tenants complain about conditions in the compound	
V64	oth_props_own	Number of properties owned	
V65	no_of_props	Number of properties receive rental income	
V66	tot_rent_inc_1	Total rental income last month (KES)	
V67	perc_inc_rent	Percentage of total income came from rental income	
V68	owner_doc_1	Ownership documents: Title deed	
V69	owner_doc_2	Ownership documents: Municipal (allotment) letter	
V70	owner_doc_3	Ownership documents: Letter from the chief	
V71	owner_doc_4	Ownership documents: No documentation	
V72	will_connect_1	Reason will connect: Cheaper in the long run	
V73	will_connect_2	Reason will connect: Healthier environment for tenants	
V74	will_connect_3	Reason will connect: Better convenience for tenants	
V75	will_connect_4	Reason will connect: Requirement by County Government	
V76	will_connect_5	Reason will connect: Only available option	
V77	will_connect_6	Reason will connect: Better rental income	
V78	will_connect_7	Reason will connect: Attract better tenants	
V79	will_connect_8	Reason will connect: Reduce tenant turnover rates	
V80	will_connect_9	Reason will connect: Increase value of compound	
V81	not_connect_1	Reason will not connect: Cannot afford the upfront costs	
V82	not_connect_2	Reason will not connect: Not worth the additional costs	
V83	not_connect_3	Reason will not connect: Current facilities are sufficient	

ID	Name	Label	Question
V84	not_connect_4	Reason will not connect: Connection will be of poor quality	
V85	not_connect_5	Reason will not connect: Connection will take too long to receive	
V86	not_connect_6	Reason will not connect: Do not trust the water and sewerage company	
V87	not_connect_7	Reason will not connect: Maintenance will be too costly	
V88	not_connect_8	Reason will not connect: Connection will be of poor quality	
V89	current_toilet_1	Current toilet: Flush toilet	
V90	current_toilet_2	Current toilet: Pour flush	
V91	current_toilet_3	Current toilet: Ventilated improved pit latrine	
V92	current_toilet_4	Current toilet: Pit latrine with slab	
V93	current_toilet_5	Current toilet: Composting toilet	
V94	current_toilet_6	Current toilet: Pit latrine without slab / open pit	
V95	current_toilet_7	Current toilet: Bucket	
V96	current_toilet_8	Current toilet: Hanging toilet / hanging latrine	
V97	current_toilet_9	Current toilet: Plastic bag system (flying toilet)	
V98	current_toilet_10	Current toilet: Peepoo	
V99	current_toilet_11	Current toilet: No Facility	

total: 98

**Data file: property\_owner\_end.dta**

Property owner survey endline dataset

Cases: 589

variables: 181

**variables**

ID	Name	Label	Question
V100	acc_no_m	Account number (masked)	
V101	survey_type	Survey type	
V102	resp_ll	Respondent is landlord	
V103	resp_other	Relationship with landlord	
V104	resp_avail	Landlord available to talk	
V105	compound_type	Compound type	
V106	gender	Gender	
V107	age	Age	
V108	eductn	Highest level of completed education	
V109	occupation	Primary occupation	
V110	ethnic_group	Ethnic group	
V111	plot_owner	Sole owner of compound	
V112	co_own	Number of co-owners	
V113	own_share	Ownership share	
V114	own_docs_1	Ownership docs: Title deed	
V115	own_docs_2	Ownership docs: Municipal (allotment) letter	
V116	own_docs_3	Ownership docs: Letter from the chief	
V117	own_docs_4	Ownership docs: No documentation	
V118	own_docs_5	Ownership docs: Share certificate	
V119	own_docs__888	Ownership docs: Other	
V120	own_duration_yrs	Ownership duration: Years	
V121	own_duration_months	Ownership duration: Months	
V122	own_acquire	Ownership acquired	
V123	own_acquire_purchase	Paid off fully	
V124	mortgage_bal	Mortgage balance	
V125	cpd_value	Compound value	
V126	prim_reside	Compound is primary residence	
V127	reside_duration	Months resided in compound in the past 12 months	
V128	dwelling	Compound has rental dwellings	
V129	dwelling_no	Number of rental dwellings	
V130	paying_tenants	Number of paying tenants	
V131	paying_tenants_lastmonth	Paying tenants in last month	
V132	rent_income_lastmonth	Rental income received last month	
V133	rent_income_fail	Tenants failed to pay rent last month	
V134	number_of_hh	Number of tenants failed to pay rent last month	
V135	rent_income_fail_total	Value of non-paid rentals last month	
V136	rent_income_proportion	Percentage of total income from this property rental	

ID	Name	Label	Question
V137	collect_rent	Who collects rent	
V138	rent_change	Increased or decreased rents in this compound in the last 6 months	
V139	decreased_why	Reasons decreased your rent	
V140	repair_contact	Repair contact	
V141	electr_connection	Connected to electricity grid	
V142	electr_connection_work	Connected to electricity grid is in working condition	
V143	electr_pay	Who pays electricity for the compound	
V144	electr_bill	Monthly electricity bill	
V145	water_connect	Connected to piped water	
V146	water_connect_work	Connected to piped water is currently working	
V147	water_pay	Who pays for the water	
V148	water_bill_usual	Monthly water bill	
V149	sewer_connect	Connected to the sewerage system	
V150	sewer_connect_why_1	Why connected: It's cheaper than current sanitation costs in the long run	
V151	sewer_connect_why_2	Why connected: To provide a healthier environment for tenants	
V152	sewer_connect_why_3	Why connected: To provide increased convenience for tenants	
V153	sewer_connect_why_4	Why connected: It is a requirement by County Government	
V154	sewer_connect_why_5	Why connected: It is the only available option	
V155	sewer_connect_why_6	Why connected: I can receive better rental income	
V156	sewer_connect_why_7	Why connected: To attract better tenants	
V157	sewer_connect_why_8	Why connected: To reduce tenant turnover rates	
V158	sewer_connect_why_9	Why connected: Increase value of compound	
V159	sewer_connect_why_888	Why connected: Other	
V160	sewer_connect_whynot_1	Why not connected: I cannot afford the upfront costs	
V161	sewer_connect_whynot_2	Why not connected: It is not worth the additional costs	
V162	sewer_connect_whynot_3	Why not connected: Current sanitation facilities are sufficient	
V163	sewer_connect_whynot_4	Why not connected: No water connection	
V164	sewer_connect_whynot_5	Why not connected: The connection will be of poor quality	
V165	sewer_connect_whynot_6	Why not connected: The connection will take too long to receive	
V166	sewer_connect_whynot_7	Why not connected: I do not trust the water and sewerage company	
V167	sewer_connect_whynot_8	Why not connected: Maintenance will be too costly	
V168	sewer_connect_whynot_9	Why not connected: The compound was disconnected by NCWSC	
V169	sewer_connect_whynot_888	Why not connected: Other	
V170	tenant_interact	How often speaks with tenants	
V171	tenant_migrate	Number of tenants moved out in the last 6 months	
V172	stayduration_yrs	Tenant stay duration: Years	
V173	stayduration_months	Tenant stay duration: Months	
V174	rent_time	Tenants pay their rent on time	
V175	cmpd_condition	Tenants keep the compound in a good condition	
V176	cmpd_improve	Tenants request improvements in the compound	
V177	cmpd_complain	Tenants complain about conditions in the compound	
V178	new_tenant_consider_1	New tenant: Amount of deposit provided	
V179	new_tenant_consider_2	New tenant: Proof of income sources able to cover rent	
V180	new_tenant_consider_3	New tenant: Friend or family member	
V181	new_tenant_consider_4	New tenant: Good references	

ID	Name	Label	Question
V182	new_tenant_consider_5	New tenant: Nice person/people	
V183	new_tenant_consider_6	New tenant: Prominent member(s) of the community	
V184	new_tenant_consider_7	New tenant: Number of conditions for lease	
V185	new_tenant_consider_8	New tenant: Willingness to take a longer lease	
V186	new_tenant_consider_9	New tenant: Good behaviour/ Responsible	
V187	new_tenant_consider__888	New tenant: Other	
V188	property_own	Properties owned	
V189	property_own_inc	Properties receive rental income	
V190	rental_incomes_lastmonth	Rental income from all properties last month	
V191	rent_incomes_proportion	Percentage of total income from rental income	
V192	total_income	Total income last month	
V193	ncws_fees	Water and sanitation fees applied by Nairobi Water are fair	
V194	disconnect	If you don't pay fees, there is a strong chance of disconnection	
V195	approach	The approach Nairobi Water uses to enforce repayments is fair	
V196	ncws_sat	I am satisfied with the water and/or sanitation services I receive	
V197	govt_comit	The government is interested in improving the living conditions	
V198	affordability	Water and sewer fees are affordable	
V199	ncw_communicate	Nairobi Water provides clear communication to us	
V200	ncws_improv	The water and sanitation services improve people's lives	
V201	govt_no_help	The government is not interested in helping us	
V202	wat_san_impro	Water and sanitation services in general helps improve people's lives	
V203	accurate	The water bills are accurate	
V204	jisomee_ease	The jisomee mita system is easy to use	
V205	tenant_contentment	Tenants appreciate the water and sanitation services provided in my compound	
V206	illegal_conections	Illegal connections are common in settlement	
V207	illegal_proportion	Proportion of people in settlement have illegal water connnection	
V208	nopay_common	Non-payment of water and sanitation bills are common in my settlement	
V209	nopay_proportion	Proportion of people in your settlement do you think pay all of their water	
V210	sewer_paid	Paid off sewer loan	
V211	waterloan_paid	Paid off water loan	
V212	loan_balance	Outstanding water/sewer loan balance	
V213	days_water_avail	Days in the last week received water	
V214	service_improve_1	Improve service: Water Services improvement	
V215	service_improve_2	Improve service: Sewer Services improvement	
V216	service_improve_3	Improve service: Billing & Payment Services improvement	
V217	service_improve_4	Improve service: Customer Services improvement	
V218	service_improve__888	Improve service: Other	
V219	deposit_pay	Paid an upfront deposit to be connected to the sewer	
V220	deposit_amount	Amount paid for an upfront deposit to be connected to the sewer	
V221	service_charge	Knows average monthly water and sanitation service charge	
V222	service_amount	Average monthly water and sanitation service charge	
V223	tenant_discuss	Tenants have ever discussed water and sanitation bills	
V224	bill_issue	What tenants discussed about water and sanitation bills	
V225	tenant_complain	Tenants ever complained about the water and sewer facilities	
V226	tenant_complain_justify	Complaints were justified	

ID	Name	Label	Question
V227	source_1	Main source of water used by the members of this compound	
V228	run_water	Source has running water at the time of the interview	
V229	water_avail_1	Days with water: Monday	
V230	water_avail_2	Days with water: Tuesday	
V231	water_avail_3	Days with water: Wednesday	
V232	water_avail_4	Days with water: Thursday	
V233	water_avail_5	Days with water: Friday	
V234	water_avail_6	Days with water: Saturday	
V235	water_avail_7	Days with water: Sunday	
V236	water_avail__999	Days with water: Don't know	
V237	hh_sharing_wat	Number of households using this facility	
V238	source_1_cpd	Main water source in the compound	
V239	water_distance	Time in minutes to collect water from this source	
V240	water_pickups	Times in a typical week collect water from this source	
V241	water_satisfy	Satisfaction with main water source	
V242	source_1_pay	Pay for use of main water source	
V243	water_pay_amt	Amount paid for use of main water source	
V244	water_unit	Units of measurement	
V245	main_fac	Main sanitation facility is within the compound	
V246	toilet_distance	Time to walk to the sanitation facility	
V247	satisfaction	Satisfaction with your main sanitation facilities	
V248	pay_fac	Pay for use of your main sanitation facilities	
V249	pay_use	Amount paid for use of your main sanitation facilities per visit	
V250	often_pay	How often pay for use of main sanitation facilities per day	
V251	num_toil	Number of toilet facilities in compound	
V252	type_toil	Main toilet facility currently used	
V253	flush_to	Where flush toilet or pour flush is connected to	
V254	lat_feat_1	Features: Latrine elevated (built above ground)	
V255	lat_feat_2	Features: Foot rests	
V256	lat_feat_3	Features: Seat	
V257	lat_feat_4	Features: Floor tiles	
V258	lat_feat_5	Features: Wall tiles	
V259	lat_feat_6	Features: Hole cover	
V260	lat_feat_7	Features: Water seal	
V261	lat_feat__889	Features: Couldnotobserve	
V262	lat_feat__888	Features: Other	
V263	super_feat_1	Superstructure: Roof	
V264	super_feat_2	Superstructure: Fully enclosed wall	
V265	super_feat_3	Superstructure: Partially enclosed wall	
V266	super_feat_4	Superstructure: Full door	
V267	super_feat_5	Superstructure: Half door	
V268	super_feat_6	Superstructure: Lockable door	
V269	super_feat_7	Superstructure: Curtain	
V270	super_feat__555	Superstructure: No superstructure	
V271	super_feat__889	Superstructure: Could not observe	

ID	Name	Label	Question
V272	super_feat_888	Superstructure: Other	
V273	hand_wash	Handwashing station	
V274	water_tank	Water storage tank	
V275	shared	Toilet facility is private or shared	
V276	hh_sharing	Households that use facility	
V277	block_flood	Toilet facility is flooded or blocked	
V278	wat_met	Water meter installed	
V279	met_work	Water meter in working condition	
V280	met_read	Current meter reading	

total: 181

**Data file: property\_owner\_outreach.dta**

Property owner outreach survey dataset

Cases: 5373

variables: 55

**variables**

ID	Name	Label	Question
V281	acc_no_m	Account number (masked)	
V282	plot_owner	Plot owner	
V283	plot_owner_represent	Representative for plot owner	
V284	plot_owner_relation	Relationship to plot owner	
V285	plot_owner_position	Support the plot owner in maintaining/managing/financing the plot	
V286	baseline_known	Baseline landlord known	
V287	baseline_relation	Relationship to baseline landlord	
V288	baseline_position	Baseline landlord supports in maintaining/managing/financing the plot	
V289	n_residents	Residents in this plot	
V290	no_residents_reason	Reason no residents	
V291	n_tenants	Households that pay rent	
V292	water_connection	Water connection from Nairobi Water	
V293	sewer_connection	Sewer connection from Nairobi Water	
V294	water_received	Received water in the last week	
V295	water_received_whichday_1	Days received water: Monday	
V296	water_received_whichday_2	Days received water: Tuesday	
V297	water_received_whichday_3	Days received water: Wednesday	
V298	water_received_whichday_4	Days received water: Thursday	
V299	water_received_whichday_5	Days received water: Friday	
V300	water_received_whichday_6	Days received water: Saturday	
V301	water_received_whichday_7	Days received water: Sunday	
V302	water_received_whichday_8	Days received water: Don't Know	
V303	water_received_whichday_9	Days received water: Refuse to answer	
V304	respondent_resident	Resident of this plot	
V305	landlord_resident	Plot owner is a resident of this plot	
V306	bill_payer	Who pays the water bills	
V307	never_paid_reason_1	Never paid: Don't have money	
V308	never_paid_reason_2	Never paid: Don't have time	
V309	never_paid_reason_3	Never paid: Don't know how to make payment	
V310	never_paid_reason_4	Never paid: Account is not set up yet	
V311	never_paid_reason_5	Never paid: Meter is broken	
V312	never_paid_reason_6	Never paid: Didn't receive water	
V313	never_paid_reason_7	Never paid: Payment system was not working	
V314	never_paid_reason_8	Never paid: Didn't know that I need to pay	
V315	never_paid_reason_9	Never paid: I'm not responsible for making the payments	
V316	never_paid_reason_98	Never paid: Other	
V317	never_paid_reason__8	Never paid: Don't Know	

ID	Name	Label	Question
V318	never_paid_reason__9	Never paid: Refuse to answer	
V319	bill_no_payment_reason_1	Not paid in 2 months: Don't have money	
V320	bill_no_payment_reason_2	Not paid in 2 months: Don't have time	
V321	bill_no_payment_reason_3	Not paid in 2 months: Don't know how to make payment	
V322	bill_no_payment_reason_4	Not paid in 2 months: Account is not set up yet	
V323	bill_no_payment_reason_5	Not paid in 2 months: Meter is broken	
V324	bill_no_payment_reason_6	Not paid in 2 months: Didn't receive water	
V325	bill_no_payment_reason_7	Not paid in 2 months: Payment system was not working	
V326	bill_no_payment_reason_8	Not paid in 2 months: Didn't know that I need to pay	
V327	bill_no_payment_reason_9	Not paid in 2 months: I'm not responsible for making the payments	
V328	bill_no_payment_reason_98	Not paid in 2 months: Other	
V329	bill_no_payment_reason__8	Not paid in 2 months: Don't Know	
V330	bill_no_payment_reason__9	Not paid in 2 months: Refuse to answer	
V331	jisomee_intro	Need help in how to verify your account information	
V332	read_meter_yn	Know how to read meter	
V333	balance_yn	Know how to check balance	
V334	pay_bill_yn	Know how to pay bill	
V335	tenants	Tenants	

total: 55

**Data file: tenant\_bl.dta**

Tenant survey baseline dataset

Cases: 4430

variables: 155

**variables**

ID	Name	Label	Question
V336	cmpd_id	Compound ID	
V337	dwellings	Dwellings in compound	
V338	survey	Survey type	
V339	landlord_reside	Landlord resides in compound	
V340	relation_landlord	Relationship with landlord	
V341	tot_mem	Household size	
V342	hh_members_count	Household members	
V343	relation1	Relationship to household head	
V344	mem_gend1	Gender	
V345	school1	Currently attending school	
V346	hhm_educ1	Highest level of education completed	
V347	relation2	Relationship to household head	
V348	mem_gend2	Gender	
V349	school2	Currently attending school	
V350	hhm_educ2	Highest level of education completed	
V351	relation3	Relationship to household head	
V352	mem_gend3	Gender	
V353	school3	Currently attending school	
V354	hhm_educ3	Highest level of education completed	
V355	relation4	Relationship to household head	
V356	mem_gend4	Gender	
V357	school4	Currently attending school	
V358	hhm_educ4	Highest level of education completed	
V359	relation5	Relationship to household head	
V360	mem_gend5	Gender	
V361	school5	Currently attending school	
V362	hhm_educ5	Highest level of education completed	
V363	relation6	Relationship to household head	
V364	mem_gend6	Gender	
V365	school6	Currently attending school	
V366	hhm_educ6	Highest level of education completed	
V367	relation7	Relationship to household head	
V368	mem_gend7	Gender	
V369	school7	Currently attending school	
V370	hhm_educ7	Highest level of education completed	
V371	relation8	Relationship to household head	
V372	mem_gend8	Gender	

ID	Name	Label	Question
V373	school8	Currently attending school	
V374	hhm_educ8	Highest level of education completed	
V375	relation9	Relationship to household head	
V376	mem_gend9	Gender	
V377	school9	Currently attending school	
V378	hhm_educ9	Highest level of education completed	
V379	relation10	Relationship to household head	
V380	mem_gend10	Gender	
V381	school10	Currently attending school	
V382	hhm_educ10	Highest level of education completed	
V383	tot_dwell	Dwellings in compound	
V384	dwell	Dwellings occupied in this compound	
V385	dwell_use	Dwelling use	
V386	dwell_num_count	Dwellings occupied by household	
V387	rooms	Rooms in main dwelling	
V388	windows	Windows in main dwelling	
V389	street	Dwelling has a window or entrance directly to the street	
V390	pay_dep	Deposit was paid	
V391	dep_amnt	Deposit amount (KES)	
V392	rent_amnt	Monthly rent amount (KES)	
V393	pipe_water	Household has piped water	
V394	wat_in_rent	Rent includes water bill	
V395	wat_bill	Average water bill per month	
V396	elec_cmpd	Compound has electricity	
V397	elec_in_dwel	Dwelling has electricity	
V398	prep_met	Dwelling has its own pre-paid meter	
V399	elec_in_rent	Rent includes electricity bill	
V400	elec_bill	Average electrical bill per month	
V401	rent_coll	Who collects rent	
V402	owner	Landlord is owner of compound	
V403	hhh_landl	Relationship to owner	
V404	tenancy	Type of tenancy agreement	
V405	tena_terms	Terms of rental agreement	
V406	rent_raise	Landlord can raise rent	
V407	raise_freq	How often landlord can raise rent	
V408	raise_yrs	When the landlord last raised the rent: Years	
V409	raise_mths	When the landlord last raised the rent: Months	
V410	liv_cmpd_yrs	Years living in compound	
V411	liv_cmpd_mths	Months living in compound (if less than 1 year)	
V412	other_hhs	Other households living in this compound	
V413	know_pple	Number of people you know in this compound	
V414	commit	Compound has a group responsible for dealing with issues	
V415	mem_commit	You or anybody from your household is on this committee	
V416	interact	How often meet and socialize with people in your compound	
V417	argument	Ever been in an argument with somebody from this compound	

ID	Name	Label	Question
V418	trust	Most people who live in this compound can be trusted	
V419	lend_borrow	People generally do not trust each other in this compound	
V420	childcare	Received help with: Child care	
V421	transport	Received help with: Transport	
V422	food	Received help with: Sharing of food	
V423	med_emerg	Received help with: Medical care or emergency	
V424	job_search	Received help with: Job search	
V425	hh_maint	Received help with: Household chores	
V426	cmpd_maint	Received help with: Compound maintenance issues	
V427	security	Received help with: Security	
V428	hhh_activ	Primary activity of household head	
V429	remunerate	Household head work (if paid work)	
V430	w_place	Houeshold head work location	
V431	amnt	Household head income (KES)	
V432	oth_income1	Received money from: Work in salaried/formal employment	
V433	oth_income2	Received money from: Any other work for pay	
V434	t_amnt	Household income from other sources (KES)	
V435	source_1	Main source of water	
V436	run_water	Running water at the time of the interview	
V437	wat_day1	Days receive water 1	
V438	wat_day2	Days receive water 2	
V439	wat_day3	Days receive water 3	
V440	wat_day4	Days receive water 4	
V441	wat_day5	Days receive water 5	
V442	wat_day6	Days receive water 6	
V443	wat_day7	Days receive water 7	
V444	wat_day8	Days receive water 8	
V445	main_fac	Main sanitation facility is within compound	
V446	satisfaction	Satisfied with main sanitation facilities	
V447	pay_freq	Pay for use of main sanitation facilities	
V448	pay_use	Amount pay for use of main sanitation facilities per visit	
V449	often	How often pay for use of main sanitation facilities per day	
V450	num_toil	Number of toilet facilities in this compound	
V451	tot_type	Types of toilet facilities in this compound	
V452	illeg_conn	Compound illegally connected to the sewer	
V453	construction	Construction work for upgrading the sanitation facility	
V454	prev_fac	Previous facilty before upgrading	
V455	prev_flush	Where was the previous flush toilet or pour flush connected to	
V456	toil_feat_count	Total number of toilet features observable	
V457	type_toil1	Current toilet facility	
V458	flush_to1	Where is flush toilet or pour flush connected to	
V459	lat_feat1_1	Latrine special features 1	
V460	lat_feat2_1	Latrine special features 2	
V461	lat_feat3_1	Latrine special features 3	
V462	lat_feat4_1	Latrine special features 4	

ID	Name	Label	Question
V463	lat_feat5_1	Latrine special features 5	
V464	super_feat1_1	Latrine superstructure 1	
V465	super_feat2_1	Latrine superstructure 2	
V466	super_feat3_1	Latrine superstructure 3	
V467	super_feat4_1	Latrine superstructure 4	
V468	super_feat5_1	Latrine superstructure 5	
V469	hand_wash1	Hand washing station installed during the upgrade	
V470	water_tank1	A 200 litres tank to store water provided during the upgrade	
V471	shared1	Toilet facility private or shared	
V472	hh_sharing1	Number of households use this facility	
V473	block_flood1	Toilet facility flooded or blocked	
V474	type_toil2	Current toilet facility type	
V475	flush_to2	Where is flush toilet or pour flush connected to	
V476	lat_feat1_2	Latrine special features 1	
V477	lat_feat2_2	Latrine special features 2	
V478	lat_feat3_2	Latrine special features 3	
V479	super_feat1_2	Latrine superstructure 1	
V480	super_feat2_2	Latrine superstructure 2	
V481	super_feat3_2	Latrine superstructure 3	
V482	super_feat4_2	Latrine superstructure 4	
V483	hand_wash2	Hand washing station installed during the upgrade	
V484	water_tank2	A 200 litres tank to store water provided during the upgrade	
V485	shared2	Toilet facility private or shared	
V486	hh_sharing2	Number of households use this facility	
V487	block_flood2	Toilet facility flooded or blocked	
V488	will_pay_amt	Amount willing to pay for upgrade	
V489	wat_met	Water meter installed	
V490	met_work	Water meter in working condition	

total: 155

**Data file: tenant\_end.dta**

Tenant survey endline dataset

Cases: 404

variables: 223

**variables**

ID	Name	Label	Question
V491	acc_no_m	Account number (masked)	
V492	comp_type	Compound type	
V493	number	Number of households	
V494	hhh	Household head	
V495	relation	Relationship to household head	
V496	hhh_non	Reason household head not available	
V497	tot_mem	Household members	
V498	men	Men 18 and older	
V499	women	Women 18 and older	
V500	child_num	Child under 5	
V501	young_num	Child between 5 and 18	
V502	tot_members	Total household members	
V503	hh_educ	Highest level of education completed	
V504	hhh_age	Age	
V505	status	Marital status	
V506	spouse_reside	Spouse lives in compound	
V507	spouse_reside_ynot_1	Spouse not reside: Poor living conditions in this compound	
V508	spouse_reside_ynot_2	Spouse not reside: Settlement is unsafe	
V509	spouse_reside_ynot_3	Spouse not reside: Cannot afford for them to stay here	
V510	spouse_reside_ynot_4	Spouse not reside: To look after other family members elsewhere	
V511	spouse_reside_ynot_5	Spouse not reside: To be closer to work or education opportunities	
V512	spouse_reside_ynot__888	Spouse not reside: Other	
V513	factor_sp_1	Spouse not reside factors: Too little space	
V514	factor_sp_2	Spouse not reside factors: Poor hygiene conditions	
V515	factor_sp_3	Spouse not reside factors: Poor water availability and/or quality	
V516	factor_sp_4	Spouse not reside factors: Poor sanitation facilities	
V517	factor_sp_5	Spouse not reside factors: No, or unreliable, electricity	
V518	factor_sp_6	Spouse not reside factors: No privacy	
V519	factor_sp_7	Spouse not reside factors: Far from education, health or other social services	
V520	factor_sp__888	Spouse not reside factors: Other	
V521	child_away	Has children under 18 that do not usually live in this compound	
V522	factors_1	Child not reside: Poor living conditions in this compound	
V523	factors_2	Child not reside: Settlement is unsafe	
V524	factors_3	Child not reside: Cannot afford for them to stay here	
V525	factors_4	Child not reside: To be looked after by other family members that live elsewhere	
V526	factors_5	Child not reside: To be closer to work or education opportunities	

ID	Name	Label	Question
V527	factors__888	Child not reside: Other	
V528	factor_chld_1	Child not reside factors: Too little space	
V529	factor_chld_2	Child not reside factors: Poor hygiene conditions	
V530	factor_chld_3	Child not reside factors: Poor water availability and/or quality	
V531	factor_chld_4	Child not reside factors: Poor Sanitation facilities	
V532	factor_chld_5	Child not reside factors: No, or unreliable, electricity	
V533	factor_chld_6	Child not reside factors: No privacy	
V534	factor_chld_7	Child not reside factors: Far from education, health or other social services	
V535	factor_chld__888	Child not reside factors: Other	
V536	child_he_count	Child health count	
V537	diarrhea_1	Diarrhea in the past 2 weeks	
V538	fever_1	Fever in the past 2 weeks	
V539	diarrhea_2	Diarrhea in the past 2 weeks	
V540	fever_2	Fever in the past 2 weeks	
V541	diarrhea_3	Diarrhea in the past 2 weeks	
V542	fever_3	Fever in the past 2 weeks	
V543	tot_dwell	Dwellings in compound	
V544	dwell	Dwellings occupied by household in compound	
V545	pay_dep	Pay a deposit	
V546	dep_amnt	Deposit amount	
V547	pay_rent	Pay rent	
V548	rent	Rent amount	
V549	misrent	Late rental payments in the last 6 months	
V550	misrent_y_1	Missed payment: I did not have the money available because of an emergency	
V551	misrent_y_2	Missed payment: I did not have the money available, which is a general challenge	
V552	misrent_y_3	Missed payment: I did not feel the need to pay	
V553	misrent_y_4	Missed payment: I forgot	
V554	misrent_y_5	Missed payment: I was away	
V555	misrent_y__888	Missed payment: Other	
V556	pipe_water	Piped water in this compound	
V557	wat_in_rent	Rent includes the cost of water	
V558	wat_bill	Amount household spend on water (for all uses) last month	
V559	elec_cmpd	Electricity connection	
V560	elec_in_dwel	Electricity in dwelling	
V561	prep_met	Dwelling has its own meter	
V562	elec_in_rent	Rent includes the electricity bill	
V563	elec_bill	Average electrical bill per month	
V564	rent_coll	Who collects your rent	
V565	hhh_landl	Relationship to the owner of this compound	
V566	tenancy	Type of tenancy agreement	
V567	tena_terms	Terms of rental agreement	
V568	rent_raise	Landlord can raise the rent	
V569	raise_freq	How often landlord can raise the rent	
V570	liv_cmpd_yrs	Time lived in compound: Years	
V571	liv_cmpd_mths	Time lived in compound: Months	

ID	Name	Label	Question
V572	raise_rent	Landlord raised rent during this period	
V573	raise_yrs	How often raise rent: Years	
V574	raise_mths	How often raise rent: Months	
V575	know_pple	Number of people you know in this compound	
V576	commit	Compound has a group responsible for dealing with issues	
V577	mem_commit	You or anybody from household is on this committee	
V578	interact	How often meet and socialize with people in your compound	
V579	argument	Ever been in an argument with somebody from this compound	
V580	trust	Most people who live in this compound can be trusted	
V581	issues	Ever approached a leader in this community about your needs	
V582	meet	Attended any meetings for this community in the last 6 months	
V583	commit_mem	Anyone in household a member of a community committee	
V584	ten_ll_rship	Relationship with landlord (scale of 1 to 10)	
V585	dispute	Ever experienced a dispute with your landlord	
V586	dispute_issue_1	Dispute: General housing conditions	
V587	dispute_issue_2	Dispute: Rental amount	
V588	dispute_issue_3	Dispute: Personal	
V589	dispute_issue_4	Dispute: Related to other people living in the compound	
V590	dispute_issue_5	Dispute: Leasing agreement conditions	
V591	dispute_issue_6	Dispute: Poor water services	
V592	dispute_issue_7	Dispute: Poor sanitation services	
V593	dispute_issue_8	Dispute: Poor electricity provision	
V594	dispute_issue__888	Dispute: Other	
V595	ncws_fees	Water and sanitation fees applied by Nairobi Water are fair	
V596	disconnect	If you don't pay fees, there is a strong chance of disconnection	
V597	approach	The approach Nairobi Water uses to enforce repayments is fair	
V598	ncws_sat	I am satisfied with the water and/or sanitation services I receive	
V599	govt_comit	The government is interested in improving the living conditions	
V600	affordability	Water and sewer fees are affordable	
V601	ncw_communicate	Nairobi Water provides clear communication to us	
V602	ncws_improv	The water and sanitation services improve people's lives	
V603	govt_no_help	The government is not interested in helping us	
V604	wat_san_impro	Water and sanitation services in general helps improve people's lives	
V605	accurate	The water bills are accurate	
V606	jisomee_ease	The jisomee mita system is easy to use	
V607	tenant_contentment	Tenants appreciate the water and sanitation services provided in my compound	
V608	illegal_conections	Illegal connections are common in settlement	
V609	illegal_proportion	Proportion of people in settlement have illegal water connection	
V610	nopay_common	Non-payment of water and sanitation bills are common in my settlement	
V611	nopay_proportion	Proportion of people in your settlement do you think pay all of their water	
V612	hhh_activ	Primary activity of household head	
V613	remunerate	Household head work	
V614	w_place	Household head work location	
V615	amnt	Household head income amount	
V616	inc_source_1	Income source: Work in salaried/formal employment	

ID	Name	Label	Question
V617	inc_source_2	Income source: Any other work for pay	
V618	inc_source_3	Income source: Business profits from business owned by one or more household mem	
V619	inc_source_4	Income source: Transfers from other households	
V620	inc_source_5	Income source: Pension or social security	
V621	inc_source_6	Income source: Interest on investments or savings	
V622	inc_source_7	Income source: Rental income	
V623	inc_source_8	Income source: No, did not receive any income	
V624	inc_source_999	Income source: Don't know	
V625	inc_source_888	Income source: Other	
V626	inc_tot_amt	Total household income amount	
V627	source_1	Main source of water used by the members of this compound	
V628	run_water	Source has running water at the time of the interview	
V629	water_avail_1	Days with water: Monday	
V630	water_avail_2	Days with water: Tuesday	
V631	water_avail_3	Days with water: Wednesday	
V632	water_avail_4	Days with water: Thursday	
V633	water_avail_5	Days with water: Friday	
V634	water_avail_6	Days with water: Saturday	
V635	water_avail_7	Days with water: Sunday	
V636	water_avail_998	Days with water: Don't know	
V637	water_avail_999	Days water: Don'tknow	
V638	hh_sharing_wat	Number of households using this facility	
V639	source_1_cpd	Main water source in the compound	
V640	water_distance	Time in minutes to collect water from this source	
V641	water_pickups	Times in a typical week collect water from this source	
V642	water_satisfy	Satisfaction with main water source	
V643	source_1_pay	Pay for use of main water source	
V644	water_pay	Amount paid for use of main water source	
V645	water_unit	Units of measurement	
V646	main_fac	Main sanitation facility is within the compound	
V647	toilet_distance	Time to walk to the sanitation facility	
V648	satisfaction	Satisfaction with your main sanitation facilities	
V649	pay_fac	Pay for use of your main sanitation facilities	
V650	pay_use	Amount paid for use of your main sanitation facilities per visit	
V651	often_pay	How often pay for use of main sanitation facilities per day	
V652	num_toil	Number of toilet facilities in compound	
V653	type_toil	Main toilet facility currently used	
V654	flush_to	Where flush toilet or pour flush is connected to	
V655	lat_feat_1	Features: Latrine elevated (built above ground)	
V656	lat_feat_2	Features: Foot rests	
V657	lat_feat_3	Features: Seat	
V658	lat_feat_4	Features: Floor tiles	
V659	lat_feat_5	Features: Wall tiles	
V660	lat_feat_6	Features: Hole cover	
V661	lat_feat_7	Features: Water seal	

ID	Name	Label	Question
V662	lat_feat_998	Features: No superstructure	
V663	lat_feat_889	Features: Could not observe	
V664	lat_feat_888	Features: Other	
V665	super_feat_1	Superstructure: Roof	
V666	super_feat_2	Superstructure: Fully enclosed wall	
V667	super_feat_3	Superstructure: Partially enclosed wall	
V668	super_feat_4	Superstructure: Full door	
V669	super_feat_5	Superstructure: Half door	
V670	super_feat_6	Superstructure: Lockable door	
V671	super_feat_7	Superstructure: Curtain	
V672	super_feat_998	Superstructure: No superstructure	
V673	super_feat_889	Superstructure: Could not observe	
V674	super_feat_888	Superstructure: Other	
V675	hand_wash	Handwashing station	
V676	water_tank	Water storage tank	
V677	shared	Toilet facility is private or shared	
V678	hh_sharing	Households that use facility	
V679	block_flood	Toilet facility is flooded or blocked	
V680	wat_met	Water meter installed	
V681	met_work	Water meter in working condition	
V682	i5	Satisfaction with life	
V683	i48	Satisfaction with the financial situation of your household	
V684	i49	Income group	
V685	i7	I did not feel like eating; my appetite was poor	
V686	i10	I had trouble keeping my mind on what I was doing	
V687	i11	I felt depressed	
V688	i12	I felt that everything I did was an effort	
V689	i16	My sleep was restless	
V690	i23	I could not sleep out of stress.	
V691	i25	I could not start doing what I was supposed to do	
V692	i26	Most people can be trusted	
V693	i27	Happiness	
V694	i28_a	I do not know what will happen in the future but I usually think good things will	
V695	i28_b	It's easy for me to relax	
V696	i28_c	I have bad luck all the time	
V697	i28_d	I am optimistic about my future	
V698	i28_e	I enjoy my friends a lot	
V699	i28_f	I like keeping myself busy	
V700	i28_g	I am not a lucky person	
V701	i28_h	I don't get upset too easily	
V702	i28_i	In the future I do not think my life would be good	
V703	i28_j	In the future I expect my life to be good	
V704	i34	I feel that I am a person that others usually respect	
V705	i35	I feel that I have a number of good qualities	
V706	i37	I am able to do things as well as most other people	

ID	Name	Label	Question
V707	i38	I am not proud of myself	
V708	i39	I am satisfied with myself	
V709	i43	Sometimes I think that others do not respect me	
V710	i44	How often you feel not successful in managing life	
V711	i45	How often you feel confident about your ability to handle problems	
V712	i46	How often you feel that you are lucky	
V713	i47	How often you felt that problems in your life were too many	

total: 223



**NO\_OF\_COOWN: Number of co-owners**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 125    Invalid: 2162    Minimum: 1    Maximum: 5  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 5    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		25	20%
2		32	25.6%
3		14	11.2%
4		10	8%
5		44	35.2%
Sysmiss		2162	

**PERCENT\_OWNED: Ownership share**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 122    Invalid: 2165    Minimum: 0    Maximum: 75  
 Type: Discrete    Decimal: 0    Width: 2    Range: 0 - 75    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		1	0.8%
2		2	1.6%
3		3	2.5%
4		1	0.8%
5		2	1.6%
7		1	0.8%
8		2	1.6%
10		16	13.1%
11		1	0.8%
14		3	2.5%
15		1	0.8%
16		1	0.8%

20		10	8.2%
22		1	0.8%
25		12	9.8%
30		4	3.3%
33		9	7.4%
34		1	0.8%
40		2	1.6%
43		1	0.8%
50		47	38.5%
75		1	0.8%
Sysmiss		2165	

## NUMBER\_OF\_COMPOUNDS: Number of compounds

Data file: property\_owner\_bl.dta

### Overview

Valid: 2287 Invalid: Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 5 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		1918	83.9%
2		226	9.9%
3		83	3.6%
4		29	1.3%
5		31	1.4%

## CMPD\_ID: Compound ID

Data file: property\_owner\_bl.dta

### Overview

Valid: 2287 Invalid: Minimum: 10001 Maximum: 90321  
 Type: Continuous Decimal: 0 Width: 5 Range: 10001 - 90321 Format: Numeric

## SURVEY\_TYPE: Survey type

Data file: property\_owner\_bl.dta

## Overview

Valid: 2287 Invalid: Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

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### CATEGORIES

Value	Category	Cases	
1	Face to face	1246	54.5%
2	Phone survey	1041	45.5%

---

## LANDL\_GENDER: Gender

Data file: property\_owner\_bl.dta

### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
0	Female	921	40.3%
1	Male	1366	59.7%

---

## AGE: Age

Data file: property\_owner\_bl.dta

### Overview

Valid: 2255 Invalid: 32 Minimum: 25 Maximum: 80  
 Type: Continuous Decimal: 0 Width: 2 Range: 25 - 80 Format: Numeric

---

## LEV\_EDUC: Highest level of education

Data file: property\_owner\_bl.dta

### Overview

Valid: 2266 Invalid: 21 Minimum: 1 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 6 Format: Numeric

## Questions and instructions

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## CATEGORIES

Value	Category	Cases	
-79	Refused to answer	0	0%
1	No education	183	8.1%
2	Some primary	387	17.1%
3	Completed primary	461	20.3%
4	Some secondary	251	11.1%
5	Completed secondary	671	29.6%
6	More than secondary	313	13.8%
Sysmiss		21	

**PRIM\_OCCUP: Primary Occupation**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2280 Invalid: 7 Minimum: 1 Maximum: 33  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 33 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Farmer/farm worker	56	2.5%
2	Public service	33	1.4%
3	Carpenter/mason	4	0.2%
4	Clerk	1	0%
5	Policeman	5	0.2%
6	Conductor	6	0.3%
7	Cleaner/house help	110	4.8%
8	Waiter/cook	45	2%
9	Driver	39	1.7%
10	Electrician	239	10.5%
11	Mechanic	11	0.5%
12	Industrial worker	56	2.5%
13	Manager	81	3.6%
14	Dairy farmer	361	15.8%
15	Professional (specify)	6	0.3%
16	Watchman	25	1.1%
17	Messenger	2	0.1%
18	Shop keeper/sales	3	0.1%

19	Secretary	4	0.2%
20	Tailor	59	2.6%
21	Teacher	90	3.9%
22	Health worker	5	0.2%
23	Doctor	6	0.3%
24	Nurse	619	27.1%
25	Unemployed	1	0%
26	Student	21	0.9%
27	Business, specify	38	1.7%
28	Salonist	117	5.1%
29	Retired	25	1.1%
30	Landlord	5	0.2%
31	None	24	1.1%
32	Housewife	0	0%
33	Other (specify)	183	8%
Sysmiss		7	

## OWNERSHIP: Sole owner of compound

Data file: property\_owner\_bl.dta

### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	132	5.8%
1	Yes	2155	94.2%

## LONG\_OWN\_YEARS: Time owned this compound: Years

Data file: property\_owner\_bl.dta

### Overview

Valid: 2239 Invalid: 48 Minimum: 0 Maximum: 54  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 54 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		14	0.6%
1		27	1.2%
2		53	2.4%
3		98	4.4%
4		64	2.9%
5		136	6.1%
6		75	3.3%
7		87	3.9%
8		100	4.5%
9		66	2.9%
10		194	8.7%
11		30	1.3%
12		56	2.5%
13		33	1.5%
14		28	1.3%
15		135	6%
16		42	1.9%
17		41	1.8%
18		38	1.7%
19		27	1.2%
20		174	7.8%
21		41	1.8%
22		41	1.8%
23		64	2.9%
24		64	2.9%
25		168	7.5%
26		105	4.7%
27		125	5.6%
28		40	1.8%
29		4	0.2%
30		28	1.3%
31		1	0%
32		2	0.1%
33		3	0.1%
34		2	0.1%

35		9	0.4%
36		3	0.1%
37		8	0.4%
38		2	0.1%
39		2	0.1%
40		4	0.2%
45		2	0.1%
46		1	0%
51		1	0%
54		1	0%
Sysmiss		48	

## LONG\_OWN\_MONTHS: Time owned this compound: Months

Data file: property\_owner\_bl.dta

### Overview

Valid: 2263 Invalid: 24 Minimum: 0 Maximum: 35  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 35 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		1959	86.6%
1		5	0.2%
2		20	0.9%
3		14	0.6%
4		9	0.4%
5		27	1.2%
6		35	1.5%
7		6	0.3%
8		39	1.7%
9		75	3.3%
10		52	2.3%
11		17	0.8%
12		3	0.1%
16		1	0%
35		1	0%
Sysmiss		24	

**ACQUIRE: How landlord acquired the compound**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2275 Invalid: 12 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-79	Refused to answer	0	0%
1	Inherited	312	13.7%
2	Free of charge	683	30%
3	Purchased	1280	56.3%
Sysmiss		12	

**PURCH\_FULL: Amount acquired this compound**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 1087 Invalid: 1200 Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 15 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-79	Refused to answer	0	0%
1	0 - 100,000	349	32.1%
2	100,001 - 200,000	233	21.4%
3	200,001 - 300,000	183	16.8%
4	300,001 - 400,000	95	8.7%
5	400,001 - 500,000	98	9%
6	0.5 - 1 million	85	7.8%
7	1 - 1.5 million	24	2.2%
8	1.5 - 2 million	14	1.3%
9	2 - 2.5 million	2	0.2%
10	2.5 - 3 million	1	0.1%

11	3 - 3.5 million	0	0%
12	3.5 - 4 million	1	0.1%
13	4 - 4.5 million	1	0.1%
14	4.5 - 5 million	0	0%
15	5 - 6 million	1	0.1%
16	6 - 7 million	0	0%
17	7 - 8 million	0	0%
18	8 - 9 million	0	0%
19	9 - 10 million	0	0%
20	Over 10 million	0	0%
Sysmiss		1200	

### PAID\_FULL: Compound is paid off fully

Data file: property\_owner\_bl.dta

#### Overview

Valid: 1280 Invalid: 1007 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	No	34	2.7%
1	Yes	1246	97.3%
Sysmiss		1007	

### BALANCE: Amount owed on mortgage

Data file: property\_owner\_bl.dta

#### Overview

Valid: 24 Invalid: 2263 Minimum: 1 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 6 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-79	Refused to answer	0	0%
1	0 - 100,000	10	41.7%

2	100,001 - 200,000	3	12.5%
3	200,001 - 300,000	3	12.5%
4	300,001 - 400,000	2	8.3%
5	400,001 - 500,000	1	4.2%
6	0.5 - 1 million	5	20.8%
7	1 - 1.5 million	0	0%
8	1.5 - 2 million	0	0%
9	2 - 2.5 million	0	0%
10	2.5 - 3 million	0	0%
11	3 - 3.5 million	0	0%
12	3.5 - 4 million	0	0%
13	4 - 4.5 million	0	0%
14	4.5 - 5 million	0	0%
15	5 - 6 million	0	0%
16	6 - 7 million	0	0%
17	7 - 8 million	0	0%
18	8 - 9 million	0	0%
19	9 - 10 million	0	0%
20	Over 10 million	0	0%
Sysmiss		2263	

## VALUE\_NOW: Estimated sale price of compound (if had to sell now)

Data file: property\_owner\_bl.dta

### Overview

Valid: 1789    Invalid: 498    Minimum: 1    Maximum: 20  
 Type: Discrete    Decimal: 0    Width: 3    Range: 1 - 20    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-79	Refused to answer	0	0%
1	0 - 100,000	20	1.1%
2	100,001 - 200,000	39	2.2%
3	200,001 - 300,000	32	1.8%
4	300,001 - 400,000	19	1.1%
5	400,001 - 500,000	88	4.9%
6	0.5 - 1 million	271	15.1%

7	1 - 1.5 million	392	21.9%
8	1.5 - 2 million	259	14.5%
9	2 - 2.5 million	193	10.8%
10	2.5 - 3 million	130	7.3%
11	3 - 3.5 million	83	4.6%
12	3.5 - 4 million	45	2.5%
13	4 - 4.5 million	41	2.3%
14	4.5 - 5 million	57	3.2%
15	5 - 6 million	40	2.2%
16	6 - 7 million	13	0.7%
17	7 - 8 million	11	0.6%
18	8 - 9 million	3	0.2%
19	9 - 10 million	23	1.3%
20	Over 10 million	30	1.7%
Sysmiss		498	

## NUM\_STOREY: Number of stories in main structure

Data file: property\_owner\_bl.dta

### Overview

Valid: 2287 Invalid: Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 5 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-96	More than five	0	0%
1	One	2094	91.6%
2	Two	154	6.7%
3	Three	25	1.1%
4	Four	11	0.5%
5	Five	3	0.1%

## LANDL\_RESIDE: Owner occupied (owner lives there without renting out)

Data file: property\_owner\_bl.dta

### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	1204	52.6%
1	Yes	1083	47.4%

## RESIDE\_IN\_CMPD: Months landlord has resided in compound (in last 12 months)

Data file: property\_owner\_bl.dta

### Overview

Valid: 2280 Invalid: 7 Minimum: 0 Maximum: 12  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 12 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		1168	51.2%
1		32	1.4%
2		13	0.6%
3		15	0.7%
4		7	0.3%
5		3	0.1%
6		22	1%
7		8	0.4%
8		7	0.3%
9		7	0.3%
10		8	0.4%
11		3	0.1%
12		987	43.3%
Sysmiss		7	

## RENTAL\_DWELL: Compound has rental dwellings

Data file: property\_owner\_bl.dta

### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	406	17.8%
1	Yes	1881	82.2%

## NO\_OF\_RENT\_DWELL: Number of rental dwellings in compound

Data file: property\_owner\_bl.dta

### Overview

Valid: 1881 Invalid: 406 Minimum: 1 Maximum: 79  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 79 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		54	2.9%
2		136	7.2%
3		126	6.7%
4		151	8%
5		175	9.3%
6		181	9.6%
7		193	10.3%
8		207	11%
9		145	7.7%
10		193	10.3%
11		91	4.8%
12		60	3.2%
13		34	1.8%
14		22	1.2%
15		23	1.2%
16		16	0.9%
17		5	0.3%
18		10	0.5%
19		3	0.2%
20		15	0.8%
21		6	0.3%

22		4	0.2%
23		3	0.2%
24		4	0.2%
25		3	0.2%
26		1	0.1%
28		5	0.3%
29		2	0.1%
30		3	0.2%
33		1	0.1%
35		1	0.1%
40		3	0.2%
46		1	0.1%
48		1	0.1%
52		1	0.1%
59		1	0.1%
79		1	0.1%
Sysmiss		406	

## NO\_OF\_TENANTS: Number of paying tenants

Data file: property\_owner\_bl.dta

### Overview

Valid: 1880 Invalid: 407 Minimum: 0 Maximum: 59  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 59 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		66	3.5%
1		93	4.9%
2		176	9.4%
3		152	8.1%
4		198	10.5%
5		211	11.2%
6		206	11%
7		173	9.2%
8		161	8.6%
9		116	6.2%

10		127	6.8%
11		61	3.2%
12		33	1.8%
13		15	0.8%
14		11	0.6%
15		21	1.1%
16		12	0.6%
17		6	0.3%
18		5	0.3%
19		2	0.1%
20		10	0.5%
21		4	0.2%
23		3	0.2%
24		4	0.2%
25		3	0.2%
27		1	0.1%
28		2	0.1%
29		1	0.1%
30		1	0.1%
39		1	0.1%
40		2	0.1%
43		1	0.1%
52		1	0.1%
59		1	0.1%
Sysmiss		407	

## TENANTS: Had paying tenants in this compound last month

Data file: property\_owner\_bl.dta

### Overview

Valid: 1881 Invalid: 406 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	89	4.7%
1	Yes	1792	95.3%

Sysmiss		406	
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### TOT\_RENT\_NUM: Monthly rental income (KES)

Data file: property\_owner\_bl.dta

#### Overview

Valid: 1743 Invalid: 544 Minimum: 0 Maximum: 147500  
 Type: Continuous Decimal: 0 Width: 6 Range: 0 - 147500 Format: Numeric

### RENT\_DEFAULT: Number of tenants failed to pay rent last month

Data file: property\_owner\_bl.dta

#### Overview

Valid: 1769 Invalid: 518 Minimum: 0 Maximum: 29  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 29 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		1004	56.8%
1		272	15.4%
2		231	13.1%
3		143	8.1%
4		58	3.3%
5		29	1.6%
6		11	0.6%
7		6	0.3%
8		5	0.3%
9		2	0.1%
10		4	0.2%
11		2	0.1%
18		1	0.1%
29		1	0.1%
Sysmiss		518	

### NON\_PAID\_RENT: Non-paid rent (KES)

Data file: property\_owner\_bl.dta

**Overview**

Valid: 757 Invalid: 1530 Minimum: 500 Maximum: 58000  
 Type: Continuous Decimal: 0 Width: 5 Range: 500 - 58000 Format: Numeric

**PERCENT\_RENT: Percentage of total income from this property's rental**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 1698 Invalid: 589 Minimum: 0 Maximum: 100  
 Type: Continuous Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

**RENT\_COLLR: Who collects rent for the compound**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 1812 Invalid: 475 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Myself	1221	67.4%
2	Another family member	206	11.4%
3	A paid rent collector	281	15.5%
4	Friend	66	3.6%
5	Other (specify)	38	2.1%
Sysmiss		475	

**PAY\_COLLR: Payment for rent collector**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 593 Invalid: 1694 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	268	45.2%

1	Yes	325	54.8%
Sysmiss		1694	

## RENT\_COLLR\_PAY\_NUM: Payment for rent collector (KES)

Data file: property\_owner\_bl.dta

### Overview

Valid: 311 Invalid: 1976 Minimum: 0 Maximum: 10000  
 Type: Discrete Decimal: 0 Width: 5 Range: 0 - 10000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		2	0.6%
200		3	1%
300		3	1%
400		4	1.3%
500		23	7.4%
600		3	1%
700		4	1.3%
750		2	0.6%
800		2	0.6%
900		1	0.3%
1000		47	15.1%
1050		1	0.3%
1200		6	1.9%
1300		5	1.6%
1400		3	1%
1500		32	10.3%
1600		1	0.3%
1800		5	1.6%
1960		1	0.3%
2000		63	20.3%
2300		3	1%
2400		1	0.3%
2500		17	5.5%
2750		1	0.3%
3000		28	9%

3500		7	2.3%
4000		12	3.9%
4500		3	1%
5000		9	2.9%
5300		1	0.3%
5600		1	0.3%
6000		7	2.3%
7000		5	1.6%
7500		3	1%
8000		1	0.3%
10000		1	0.3%
Sysmiss		1976	

### ELEC\_GRID: Compound is connected to electricity grid

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	No	344	15%
1	Yes	1943	85%

### ELEC\_WORK: Connection is in working condition

Data file: property\_owner\_bl.dta

#### Overview

Valid: 1943 Invalid: 344 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	No	88	4.5%
1	Yes	1855	95.5%

Sysmiss		344	
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## PAY\_ELEC: How electricity is paid

Data file: property\_owner\_bl.dta

### Overview

Valid: 1926 Invalid: 361 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 5 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-79	Refused to answer	0	0%
1	Landlord pays entire electricity bill	576	29.9%
2	Landlord pays the electricity bill and charge separately	22	1.1%
3	Landlord pays the electricity bill and it is included in the rent	189	9.8%
4	Tenants pay the electricity bill directly to the utility company	1062	55.1%
5	Shared payment between landlord and tenants	77	4%
Sysmiss		361	

## AV\_ELEC\_BILL\_NUM: Monthly electricity bill (KES)

Data file: property\_owner\_bl.dta

### Overview

Valid: 1543 Invalid: 744 Minimum: 0 Maximum: 25000  
 Type: Continuous Decimal: 0 Width: 5 Range: 0 - 25000 Format: Numeric

## PIPE\_WATER: Compound is connected to piped water

Data file: property\_owner\_bl.dta

### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	498	21.8%

1	Yes	1789	78.2%
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### WAT\_WORK: Water connection is in working condition

Data file: property\_owner\_bl.dta

#### Overview

Valid: 1789 Invalid: 498 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	No	335	18.7%
1	Yes	1454	81.3%
Sysmiss		498	

### PAY\_WATER: Water is paid for the entire compound

Data file: property\_owner\_bl.dta

#### Overview

Valid: 1525 Invalid: 762 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	No	123	8.1%
1	Yes	1402	91.9%
Sysmiss		762	

### LAST\_WAT\_BILL\_NUM: Water bill last month (KES)

Data file: property\_owner\_bl.dta

#### Overview

Valid: 1522 Invalid: 765 Minimum: 0 Maximum: 17000  
 Type: Continuous Decimal: 0 Width: 5 Range: 0 - 17000 Format: Numeric

**AV\_WAT\_BILL\_NUM: Average water bill per month (KES)**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 1256 Invalid: 1031 Minimum: 0 Maximum: 8000  
 Type: Continuous Decimal: 0 Width: 4 Range: 0 - 8000 Format: Numeric

**TOTAL\_EXPEND\_NUM: Average total monthly maintenance expenditure (KES)**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2149 Invalid: 138 Minimum: 0 Maximum: 100000  
 Type: Continuous Decimal: 0 Width: 6 Range: 0 - 100000 Format: Numeric

**CON\_TO\_SEW: Will connect to sewerage system when available**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	68	3%
1	Yes	2219	97%

**NUM\_TOIL: Number of toilet facilities (rooms)**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2281 Invalid: 6 Minimum: 0 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 15 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		111	4.9%
1		1280	56.1%
2		721	31.6%

3		72	3.2%
4		45	2%
5		12	0.5%
6		18	0.8%
7		2	0.1%
8		11	0.5%
9		3	0.1%
10		1	0%
12		2	0.1%
13		1	0%
15		2	0.1%
Sysmiss		6	

### SEPT\_PIT: Number of pits or septic tanks

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2278 Invalid: 9 Minimum: 0 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 6 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		445	19.5%
1		1764	77.4%
2		56	2.5%
3		6	0.3%
4		4	0.2%
5		1	0%
6		2	0.1%
Sysmiss		9	

### PAY\_EXHAUST: Service payments for waste removal

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	795	34.8%
1	Yes	1492	65.2%

## FREQ\_EXHAUST: Number of times per year for waste removal

Data file: property\_owner\_bl.dta

### Overview

Valid: 1475 Invalid: 812 Minimum: 0 Maximum: 4500  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 4500 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		46	3.1%
1		262	17.8%
2		314	21.3%
3		286	19.4%
4		207	14%
5		57	3.9%
6		124	8.4%
7		3	0.2%
8		12	0.8%
9		1	0.1%
10		10	0.7%
12		133	9%
20		1	0.1%
24		14	0.9%
36		1	0.1%
48		1	0.1%
96		1	0.1%
4000		1	0.1%
4500		1	0.1%
Sysmiss		812	

**LAST\_EXH\_COST\_NUM: Payment for waste removal**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 1454 Invalid: 833 Minimum: -1000 Maximum: 36000  
 Type: Continuous Decimal: 0 Width: 5 Range: -1000 - 36000 Format: Numeric

**WHOLE: Willing to pay Ksh 600/- monthly for connection and upgrade**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	1377	60.2%
1	Yes	910	39.8%

**EIGHTY\_THREE\_PERC: Willing to pay Ksh 500/- monthly for connection and upgrade**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 1377 Invalid: 910 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	1214	88.2%
1	Yes	163	11.8%
Sysmiss		910	

**THREE\_QUART: Willing to pay Ksh 400/- monthly for connection and upgrade**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 1214 Invalid: 1073 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	1040	85.7%
1	Yes	174	14.3%
Sysmiss		1073	

### A\_HALF: Willing to pay Ksh 300/- monthly for connection and upgrade

Data file: property\_owner\_bl.dta

#### Overview

Valid: 1040 Invalid: 1247 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	656	63.1%
1	Yes	384	36.9%
Sysmiss		1247	

### A\_THIRD: Willing to pay Ksh 200/- monthly for connection and upgrade

Data file: property\_owner\_bl.dta

#### Overview

Valid: 656 Invalid: 1631 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	374	57%
1	Yes	282	43%
Sysmiss		1631	

**A\_SIXTH: Willing to pay Ksh 100/- monthly for connection and upgrade**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 374 Invalid: 1913 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	197	52.7%
1	Yes	177	47.3%
Sysmiss		1913	

**A\_TENTH: Willing to pay Ksh 60/- monthly for connection and upgrade**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 197 Invalid: 2090 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	125	63.5%
1	Yes	72	36.5%
Sysmiss		2090	

**SPEAK\_MEMBER: Frequency of communication with tenants**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 1873 Invalid: 414 Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 7 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-79	Refused to answer	0	0%

1	Daily	755	40.3%
2	Weekly	237	12.7%
3	Few times a month	344	18.4%
4	Once a month	271	14.5%
5	Few times a year	180	9.6%
6	Yearly	20	1.1%
7	Never	66	3.5%
Sysmiss		414	

### MOVED\_TENANT: Number of paying tenants that moved out in the last 12 months

Data file: property\_owner\_bl.dta

#### Overview

Valid: 1797    Invalid: 490    Minimum: 0    Maximum: 30  
 Type: Discrete    Decimal: 0    Width: 2    Range: 0 - 30    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		427	23.8%
1		274	15.2%
2		327	18.2%
3		265	14.7%
4		125	7%
5		136	7.6%
6		80	4.5%
7		24	1.3%
8		28	1.6%
9		5	0.3%
10		55	3.1%
11		3	0.2%
12		24	1.3%
15		12	0.7%
18		2	0.1%
20		9	0.5%
30		1	0.1%
Sysmiss		490	

**LONG\_YEARS: Average time tenants stay: Years**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 1829    Invalid: 458    Minimum: 0    Maximum: 21  
 Type: Discrete    Decimal: 0    Width: 2    Range: 0 - 21    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		407	22.3%
1		381	20.8%
2		325	17.8%
3		236	12.9%
4		106	5.8%
5		162	8.9%
6		41	2.2%
7		30	1.6%
8		34	1.9%
9		7	0.4%
10		64	3.5%
11		3	0.2%
12		5	0.3%
13		4	0.2%
14		2	0.1%
15		9	0.5%
16		1	0.1%
18		3	0.2%
20		8	0.4%
21		1	0.1%
Sysmiss		458	

**LONG\_MONTHS: Average time tenants stay: Months**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 1835    Invalid: 452    Minimum: 0    Maximum: 12  
 Type: Discrete    Decimal: 0    Width: 2    Range: 0 - 12    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		1249	68.1%
1		24	1.3%
2		67	3.7%
3		86	4.7%
4		50	2.7%
5		91	5%
6		165	9%
7		11	0.6%
8		42	2.3%
9		27	1.5%
10		8	0.4%
11		6	0.3%
12		9	0.5%
Sysmiss		452	

## RENT\_ON\_TIME: Tenants pay their rent on time

Data file: property\_owner\_bl.dta

### Overview

Valid: 1786 Invalid: 501 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-99	Don't know (managed by somebody else)	0	0%
-79	Refused to answer	0	0%
1	Very likely	423	23.7%
2	Somewhat likely	560	31.4%
3	Somewhat unlikely	381	21.3%
4	Very unlikely	422	23.6%
Sysmiss		501	

**GOOD\_COND: Tenants keep the compound in a good condition**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 1815 Invalid: 472 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know (managed by somebody else)	0	0%
-79	Refused to answer	0	0%
1	Very likely	826	45.5%
2	Somewhat likely	666	36.7%
3	Somewhat unlikely	185	10.2%
4	Very unlikely	138	7.6%
Sysmiss		472	

**IMPROV\_CMPD: Tenants request improvements in the compound**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 1815 Invalid: 472 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know (managed by somebody else)	0	0%
-79	Refused to answer	0	0%
1	Very likely	669	36.9%
2	Somewhat likely	611	33.7%
3	Somewhat unlikely	275	15.2%
4	Very unlikely	260	14.3%
Sysmiss		472	

**COND\_OF\_CPD: Tenants complain about conditions in the compound**

Data file: property\_owner\_bl.dta

## Overview

Valid: 1810 Invalid: 477 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-99	Don't know (managed by somebody else)	0	0%
-79	Refused to answer	0	0%
1	Very likely	408	22.5%
2	Somewhat likely	541	29.9%
3	Somewhat unlikely	333	18.4%
4	Very unlikely	528	29.2%
Sysmiss		477	

## OTH\_PROPS\_OWN: Number of properties owned

Data file: property\_owner\_bl.dta

### Overview

Valid: 2286 Invalid: 1 Minimum: 0 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		11	0.5%
1		893	39.1%
2		948	41.5%
3		279	12.2%
4		78	3.4%
5		77	3.4%
Sysmiss		1	

## NO\_OF\_PROPS: Number of properties receive rental income

Data file: property\_owner\_bl.dta

### Overview

Valid: 2245 Invalid: 42 Minimum: 0 Maximum: 17  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 17 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		380	16.9%
1		1381	61.5%
2		332	14.8%
3		102	4.5%
4		23	1%
5		9	0.4%
6		4	0.2%
7		2	0.1%
8		8	0.4%
10		2	0.1%
13		1	0%
17		1	0%
Sysmiss		42	

### TOT\_RENT\_INC\_1: Total rental income last month (KES)

Data file: property\_owner\_bl.dta

#### Overview

Valid: 443 Invalid: 1844 Minimum: 49 Maximum: 800000  
 Type: Continuous Decimal: 0 Width: 6 Range: 49 - 800000 Format: Numeric

### PERC\_INC\_RENT: Percentage of total income came from rental income

Data file: property\_owner\_bl.dta

#### Overview

Valid: 1884 Invalid: 403 Minimum: 0 Maximum: 100  
 Type: Continuous Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

### OWNER\_DOC\_1: Ownership documents: Title deed

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	2261	98.9%
1	Yes	26	1.1%

### OWNER\_DOC\_2: Ownership documents: Municipal (allotment) letter

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	218	9.5%
1	Yes	2069	90.5%

### OWNER\_DOC\_3: Ownership documents: Letter from the chief

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	2229	97.5%
1	Yes	58	2.5%

### OWNER\_DOC\_4: Ownership documents: No documentation

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1

Type: Discrete    Decimal: 0    Width: 1    Range: 0 - 1    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	2273	99.4%
1	Yes	14	0.6%

### WILL\_CONNECT\_1: Reason will connect: Cheaper in the long run

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287    Invalid:    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 1    Range: 0 - 1    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	770	33.7%
1	Yes	1517	66.3%

### WILL\_CONNECT\_2: Reason will connect: Healthier environment for tenants

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287    Invalid:    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 1    Range: 0 - 1    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	400	17.5%
1	Yes	1887	82.5%

### WILL\_CONNECT\_3: Reason will connect: Better convenience for tenants

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	1902	83.2%
1	Yes	385	16.8%

**WILL\_CONNECT\_4: Reason will connect: Requirement by County Government**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	2206	96.5%
1	Yes	81	3.5%

**WILL\_CONNECT\_5: Reason will connect: Only available option**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	2203	96.3%
1	Yes	84	3.7%

**WILL\_CONNECT\_6: Reason will connect: Better rental income**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	2084	91.1%
1	Yes	203	8.9%

**WILL\_CONNECT\_7: Reason will connect: Attract better tenants**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	1969	86.1%
1	Yes	318	13.9%

**WILL\_CONNECT\_8: Reason will connect: Reduce tenant turnover rates**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	2168	94.8%
1	Yes	119	5.2%

**WILL\_CONNECT\_9: Reason will connect: Increase value of compound**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	1974	86.3%
1	Yes	313	13.7%

**NOT\_CONNECT\_1: Reason will not connect: Cannot afford the upfront costs**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	2263	99%
1	Yes	24	1%

**NOT\_CONNECT\_2: Reason will not connect: Not worth the additional costs**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	2275	99.5%

1	Yes	12	0.5%
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### NOT\_CONNECT\_3: Reason will not connect: Current facilities are sufficient

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	No	2261	98.9%
1	Yes	26	1.1%

### NOT\_CONNECT\_4: Reason will not connect: Connection will be of poor quality

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	No	2282	99.8%
1	Yes	5	0.2%

### NOT\_CONNECT\_5: Reason will not connect: Connection will take too long to receive

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
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0	No	2277	99.6%
1	Yes	10	0.4%

### NOT\_CONNECT\_6: Reason will not connect: Do not trust the water and sewerage company

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	No	2286	100%
1	Yes	1	0%

### NOT\_CONNECT\_7: Reason will not connect: Maintenance will be too costly

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	No	2282	99.8%
1	Yes	5	0.2%

### NOT\_CONNECT\_8: Reason will not connect: Connection will be of poor quality

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	No	2281	99.7%
1	Yes	6	0.3%

### CURRENT\_TOILET\_1: Current toilet: Flush toilet

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	2202	96.3%
1	Yes	85	3.7%

### CURRENT\_TOILET\_2: Current toilet: Pour flush

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	1513	66.2%
1	Yes	774	33.8%

### CURRENT\_TOILET\_3: Current toilet: Ventilated improved pit latrine

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	1838	80.4%
1	Yes	449	19.6%

### **CURRENT\_TOILET\_4: Current toilet: Pit latrine with slab**

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	1494	65.3%
1	Yes	793	34.7%

### **CURRENT\_TOILET\_5: Current toilet: Composting toilet**

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	2285	99.9%
1	Yes	2	0.1%

### **CURRENT\_TOILET\_6: Current toilet: Pit latrine without slab / open pit**

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287 Invalid: Minimum: 0 Maximum: 1

Type: Discrete    Decimal: 0    Width: 1    Range: 0 - 1    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	2169	94.8%
1	Yes	118	5.2%

### CURRENT\_TOILET\_7: Current toilet: Bucket

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287    Invalid:    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 1    Range: 0 - 1    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	2286	100%
1	Yes	1	0%

### CURRENT\_TOILET\_8: Current toilet: Hanging toilet / hanging latrine

Data file: property\_owner\_bl.dta

#### Overview

Valid: 2287    Invalid:    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 1    Range: 0 - 1    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	2285	99.9%
1	Yes	2	0.1%

### CURRENT\_TOILET\_9: Current toilet: Plastic bag system (flying toilet)

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	2286	100%
1	Yes	1	0%

**CURRENT\_TOILET\_10: Current toilet: Peepoo**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2287 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	2286	100%
1	Yes	1	0%

**CURRENT\_TOILET\_11: Current toilet: No Facility**

Data file: property\_owner\_bl.dta

**Overview**

Valid: 2287 Invalid: Minimum: 0  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	2287	100%
1	Yes	0	0%

**ACC\_NO\_M: Account number (masked)**

Data file: property\_owner\_end.dta

**Overview**

Valid: 589 Invalid:  
 Type: Continuous Width: 9 Range: - Format: character

**SURVEY\_TYPE: Survey type**

Data file: property\_owner\_end.dta

**Overview**

Valid: 589 Invalid: Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Face to Face	509	86.4%
2	Phone survey	80	13.6%

**RESP\_LL: Respondent is landlord**

Data file: property\_owner\_end.dta

**Overview**

Valid: 589 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	138	23.4%
1	Yes	451	76.6%

**RESP\_OTHER: Relationship with landlord**

Data file: property\_owner\_end.dta

**Overview**

Valid: 138 Invalid: 451 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	Other	0	0%
1	Spouse	35	25.4%
2	Care Taker	103	74.6%
Sysmiss		451	

**RESP\_AVAIL: Landlord available to talk**

Data file: property\_owner\_end.dta

**Overview**

Valid: 586 Invalid: 3 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	0	0%
1	Yes	586	100%
Sysmiss		3	

**COMPOUND\_TYPE: Compound type**

Data file: property\_owner\_end.dta

**Overview**

Valid: 589 Invalid: Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-------	----------	-------	--

1	Landlord and tenants both stay in the compound	170	28.9%
2	Only tenants stay in the compound	207	35.1%
3	This is a landlord only compound	212	36%

## GENDER: Gender

Data file: property\_owner\_end.dta

### Overview

Valid: 589 Invalid: Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Male	387	65.7%
2	Female	202	34.3%

## AGE: Age

Data file: property\_owner\_end.dta

### Overview

Valid: 570 Invalid: 19 Minimum: 25 Maximum: 80  
 Type: Continuous Decimal: 0 Width: 2 Range: 25 - 80 Format: Numeric

## EDUCTN: Highest level of completed education

Data file: property\_owner\_end.dta

### Overview

Valid: 589 Invalid: Minimum: 1 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 6 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	No education	40	6.8%
2	Some primary	60	10.2%
3	Completed primary	108	18.3%
4	Some secondary	60	10.2%

5	Completed secondary	174	29.5%
6	More than secondary	147	25%

## OCCUPATION: Primary occupation

Data file: property\_owner\_end.dta

### Overview

Valid: 491 Invalid: 98 Minimum: 1 Maximum: 32  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 32 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-888	Other	0	0%
1	Farmer/farm worker	56	11.4%
2	Public service	11	2.2%
3	Carpenter/mason	11	2.2%
4	Clerk	2	0.4%
5	Policeman	7	1.4%
6	Conductor	2	0.4%
7	Cleaner/house help	2	0.4%
8	Waiter/cook	3	0.6%
9	Driver	22	4.5%
10	Electrician	9	1.8%
11	Mechanic	11	2.2%
12	Industrial worker	12	2.4%
13	Manager	2	0.4%
14	Dairy farmer	0	0%
15	Professional (specify)	20	4.1%
16	Watchman	4	0.8%
17	Messenger	1	0.2%
18	Shop keeper/sales	31	6.3%
19	Secretary	4	0.8%
20	Tailor	7	1.4%
21	Teacher	10	2%
22	Health worker	2	0.4%
23	Doctor	1	0.2%
24	Nurse	1	0.2%

25	Unemployed	15	3.1%
26	Student	0	0%
27	Business, specify	145	29.5%
28	Salonist	3	0.6%
29	Retired	21	4.3%
30	Landlord	42	8.6%
31	None	24	4.9%
32	Housewife	10	2%
Sysmiss		98	

## ETHNIC\_GROUP: Ethnic group

Data file: property\_owner\_end.dta

### Overview

Valid: 579 Invalid: 10 Minimum: 1 Maximum: 37  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 37 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Dont Know	0	0%
-998	Refused	0	0%
-888	Other	0	0%
1	Akamba(Kamba)	75	13%
2	Boni	0	0%
3	Boran	8	1.4%
4	Elkony	0	0%
5	Elmolo	0	0%
6	Embu	4	0.7%
7	Gabbara	0	0%
8	Galla (Oromo)	0	0%
9	Gikuyu (Kikuyu)	344	59.4%
10	Giriama (Giryama)	0	0%
11	Gusii (Kisii)	36	6.2%
12	Iteso (Teso)	0	0%
13	Kalenjin	0	0%
14	Keiyo	0	0%
15	Kikuyu (Gikuyu)	0	0%

16	Kipsigis	2	0.3%
17	Kuria	1	0.2%
18	Luhya	35	6%
19	Luo	63	10.9%
20	Marakwet	0	0%
21	Masai (Maasai)	2	0.3%
22	Mbeere	0	0%
23	Meru	5	0.9%
24	Njemps	0	0%
25	Orma	0	0%
26	Oromo (Galla)	0	0%
27	Pakot	0	0%
28	Pokomo	0	0%
29	Pokot	0	0%
30	Rendille	0	0%
31	Sabaot	0	0%
32	Samburu	0	0%
33	Segeju	0	0%
34	Somali (Issa)	2	0.3%
35	Swahili	0	0%
36	Taita	1	0.2%
37	Taveta	1	0.2%
38	Terik	0	0%
40	Tharaka	0	0%
41	Tugen	0	0%
42	Turkana	0	0%
43	Nandi	0	0%
Sysmiss		10	

## **PLOT\_OWNER: Sole owner of compound**

Data file: property\_owner\_end.dta

### **Overview**

Valid: 589 Invalid: Minimum: 0 Maximum: 1

Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

### **Questions and instructions**

CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	37	6.3%
1	Yes	552	93.7%

## CO\_OWN: Number of co-owners

Data file: property\_owner\_end.dta

### Overview

Valid: 37 Invalid: 552 Minimum: 1 Maximum: 13  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 13 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		8	21.6%
2		12	32.4%
3		4	10.8%
4		5	13.5%
5		4	10.8%
8		1	2.7%
9		1	2.7%
10		1	2.7%
13		1	2.7%
Sysmiss		552	

## OWN\_SHARE: Ownership share

Data file: property\_owner\_end.dta

### Overview

Valid: 37 Invalid: 552 Minimum: 10 Maximum: 50  
 Type: Discrete Decimal: 0 Width: 2 Range: 10 - 50 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
10		1	2.7%

13		1	2.7%
20		5	13.5%
25		7	18.9%
30		2	5.4%
33		1	2.7%
36		1	2.7%
50		19	51.4%
Sysmiss		552	

### OWN\_DOCS\_1: Ownership docs: Title deed

Data file: property\_owner\_end.dta

#### Overview

Valid: 589 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	578	98.1%
1	Yes	11	1.9%

### OWN\_DOCS\_2: Ownership docs: Municipal (allotment) letter

Data file: property\_owner\_end.dta

#### Overview

Valid: 589 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	104	17.7%
1	Yes	485	82.3%

**OWN\_DOCS\_3: Ownership docs: Letter from the chief**

Data file: property\_owner\_end.dta

**Overview**

Valid: 589 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	565	95.9%
1	Yes	24	4.1%

**OWN\_DOCS\_4: Ownership docs: No documentation**

Data file: property\_owner\_end.dta

**Overview**

Valid: 589 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	584	99.2%
1	Yes	5	0.8%

**OWN\_DOCS\_5: Ownership docs: Share certificate**

Data file: property\_owner\_end.dta

**Overview**

Valid: 589 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	513	87.1%
1	Yes	76	12.9%

### OWN\_DOCS\_888: Ownership docs: Other

Data file: property\_owner\_end.dta

#### Overview

Valid: 589 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	568	96.4%
1	Yes	21	3.6%

### OWN\_DURATION\_YRS: Ownership duration: Years

Data file: property\_owner\_end.dta

#### Overview

Valid: 552 Invalid: 37 Minimum: 0 Maximum: 41  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 41 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		4	0.7%
1		1	0.2%
2		12	2.2%
3		19	3.4%

4		16	2.9%
5		21	3.8%
6		15	2.7%
7		27	4.9%
8		13	2.4%
9		14	2.5%
10		56	10.1%
11		21	3.8%
12		39	7.1%
13		14	2.5%
14		16	2.9%
15		22	4%
16		12	2.2%
17		16	2.9%
18		14	2.5%
19		26	4.7%
20		33	6%
21		7	1.3%
22		6	1.1%
23		8	1.4%
24		6	1.1%
25		14	2.5%
26		5	0.9%
27		10	1.8%
28		23	4.2%
29		18	3.3%
30		22	4%
31		14	2.5%
32		3	0.5%
36		1	0.2%
37		1	0.2%
39		1	0.2%
40		1	0.2%
41		1	0.2%
Sysmiss		37	

**OWN\_DURATION\_MONTHS: Ownership duration: Months**

Data file: property\_owner\_end.dta

**Overview**

Valid: 485 Invalid: 104 Minimum: 0 Maximum: 11  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 11 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		327	67.4%
1		12	2.5%
2		24	4.9%
3		22	4.5%
4		10	2.1%
5		26	5.4%
6		24	4.9%
7		5	1%
8		23	4.7%
9		3	0.6%
10		4	0.8%
11		5	1%
Sysmiss		104	

**OWN\_ACQUIRE: Ownership acquired**

Data file: property\_owner\_end.dta

**Overview**

Valid: 589 Invalid: Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Inherited	78	13.2%
2	Acquired free of charge	118	20%
3	Purchased	393	66.7%
4	Leased property (For mbotela residents)	0	0%

**OWN\_ACQUIRE\_PURCHASE: Paid off fully**

Data file: property\_owner\_end.dta

**Overview**

Valid: 393 Invalid: 196 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Owned and fully paid off	387	98.5%
2	Currently paying off	6	1.5%
Sysmiss		196	

**MORTGAGE\_BAL: Mortgage balance**

Data file: property\_owner\_end.dta

**Overview**

Valid: 4 Invalid: 585 Minimum: 50000 Maximum: 1260000  
 Type: Discrete Decimal: 0 Width: 7 Range: 50000 - 1260000 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
50000		1	25%
150000		1	25%
200000		1	25%
1260000		1	25%
Sysmiss		585	

**CPD\_VALUE: Compound value**

Data file: property\_owner\_end.dta

**Overview**

Valid: 445 Invalid: 144 Minimum: 0 Maximum: 30000000  
 Type: Continuous Decimal: 0 Width: 8 Range: 0 - 30000000 Format: Numeric

**PRIM\_RESIDE: Compound is primary residence**

Data file: property\_owner\_end.dta

**Overview**

Valid: 589 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	285	48.4%
1	Yes	304	51.6%

**RESIDE\_DURATION: Months resided in compound in the past 12 months**

Data file: property\_owner\_end.dta

**Overview**

Valid: 304 Invalid: 285 Minimum: 0 Maximum: 12  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 12 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		2	0.7%
1		1	0.3%
2		4	1.3%
3		3	1%
4		2	0.7%
5		4	1.3%
6		4	1.3%
7		2	0.7%
8		3	1%
9		2	0.7%
10		2	0.7%
11		2	0.7%
12		273	89.8%
Sysmiss		285	

**DWELLINGS: Compound has rental dwellings**

Data file: property\_owner\_end.dta

**Overview**

Valid: 568 Invalid: 21 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	197	34.7%
1	Yes	371	65.3%
Sysmiss		21	

**DWELLINGS\_NO: Number of rental dwellings**

Data file: property\_owner\_end.dta

**Overview**

Valid: 371 Invalid: 218 Minimum: 0 Maximum: 56  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 56 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		1	0.3%
1		37	10%
2		28	7.5%
3		46	12.4%
4		30	8.1%
5		35	9.4%
6		30	8.1%
7		36	9.7%
8		33	8.9%
9		23	6.2%
10		24	6.5%

11		7	1.9%
12		12	3.2%
13		5	1.3%
14		6	1.6%
15		2	0.5%
16		1	0.3%
17		1	0.3%
18		3	0.8%
20		2	0.5%
21		1	0.3%
22		1	0.3%
23		1	0.3%
26		1	0.3%
27		1	0.3%
30		1	0.3%
33		1	0.3%
35		1	0.3%
56		1	0.3%
Sysmiss		218	

## PAYING\_TENANTS: Number of paying tenants

Data file: property\_owner\_end.dta

### Overview

Valid: 369    Invalid: 220    Minimum: 0    Maximum: 54  
 Type: Discrete    Decimal: 0    Width: 2    Range: 0 - 54    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		10	2.7%
1		47	12.7%
2		55	14.9%
3		53	14.4%
4		32	8.7%
5		42	11.4%
6		29	7.9%
7		24	6.5%

8		23	6.2%
9		12	3.3%
10		15	4.1%
11		6	1.6%
12		5	1.4%
14		1	0.3%
15		4	1.1%
16		1	0.3%
18		1	0.3%
19		2	0.5%
20		1	0.3%
21		1	0.3%
27		1	0.3%
28		1	0.3%
30		2	0.5%
54		1	0.3%
Sysmiss		220	

### PAYING\_TENANTS\_LASTMONTH: Paying tenants in last month

Data file: property\_owner\_end.dta

#### Overview

Valid: 371 Invalid: 218 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	23	6.2%
1	Yes	348	93.8%
Sysmiss		218	

### RENT\_INCOME\_LASTMONTH: Rental income received last month

Data file: property\_owner\_end.dta

## Overview

Valid: 328 Invalid: 261 Minimum: 0 Maximum: 149000  
 Type: Continuous Decimal: 0 Width: 6 Range: 0 - 149000 Format: Numeric

### RENT\_INCOME\_FAIL: Tenants failed to pay rent last month

Data file: property\_owner\_end.dta

## Overview

Valid: 348 Invalid: 241 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	162	46.6%
1	Yes	186	53.4%
Sysmiss		241	

### NUMBER\_OF\_HH: Number of tenants failed to pay rent last month

Data file: property\_owner\_end.dta

## Overview

Valid: 184 Invalid: 405 Minimum: 1 Maximum: 17  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 17 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		74	40.2%
2		53	28.8%
3		32	17.4%
4		9	4.9%
5		5	2.7%
6		6	3.3%
7		2	1.1%
10		2	1.1%
17		1	0.5%

Sysmiss

405

**RENT\_INCOME\_FAIL\_TOTAL: Value of non-paid rentals last month****Data file: property\_owner\_end.dta****Overview**

Valid: 179    Invalid: 410    Minimum: 2    Maximum: 110000  
 Type: Discrete    Decimal: 0    Width: 6    Range: 2 - 110000    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
2		1	0.6%
500		1	0.6%
1000		2	1.1%
1300		1	0.6%
1500		10	5.6%
1800		2	1.1%
2000		25	14%
2400		1	0.6%
2500		9	5%
2700		1	0.6%
2850		1	0.6%
3000		19	10.6%
3500		1	0.6%
3600		2	1.1%
4000		15	8.4%
4400		1	0.6%
4500		6	3.4%
4700		1	0.6%
4800		1	0.6%
5000		13	7.3%
5100		1	0.6%
6000		20	11.2%
6500		1	0.6%
6800		1	0.6%
7500		8	4.5%
8000		7	3.9%

9000		5	2.8%
10000		4	2.2%
10500		2	1.1%
11000		1	0.6%
12000		2	1.1%
13000		1	0.6%
13500		1	0.6%
14500		1	0.6%
15000		5	2.8%
16000		1	0.6%
17500		1	0.6%
19000		1	0.6%
20000		1	0.6%
21000		1	0.6%
110000		1	0.6%
Sysmiss		410	

## RENT\_INCOME\_PROPORTION: Percentage of total income from this property rental

Data file: property\_owner\_end.dta

### Overview

Valid: 320 Invalid: 269 Minimum: 0 Maximum: 100  
 Type: Continuous Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

## COLLECT\_RENT: Who collects rent

Data file: property\_owner\_end.dta

### Overview

Valid: 345 Invalid: 244 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-888	Other	0	0%
1	Myself (for LL only compounds)	186	53.9%
2	Another family member	36	10.4%
3	A paid rent collector(House Agents/Caretaker)	90	26.1%
4	Friend;	2	0.6%

5	Tenants pay directly to bank account/ mpesa	31	9%
Sysmiss		244	

## RENT\_CHANGE: Increased or decreased rents in this compound in the last 6 months

Data file: property\_owner\_end.dta

### Overview

Valid: 371 Invalid: 218 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Increased	13	3.5%
2	Decreased	17	4.6%
3	No change	341	91.9%
Sysmiss		218	

## DECREASED\_WHY: Reasons decreased your rent

Data file: property\_owner\_end.dta

### Overview

Valid: 13 Invalid: 576 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-888	Other	0	0%
1	poor water/sanitation services	5	38.5%
2	trying to retain good tenants	2	15.4%
3	deterioration of living conditions other than water and sanitation services	2	15.4%
4	hard to find new tenants	4	30.8%
Sysmiss		576	

## REPAIR\_CONTACT: Repair contact

Data file: property\_owner\_end.dta

**Overview**

Valid: 185 Invalid: 404 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-888	Other	0	0%
1	Me directly	165	89.2%
2	A repairman/caretaker	20	10.8%
Sysmiss		404	

**ELECTR\_CONNECTION: Connected to electricity grid**

Data file: property\_owner\_end.dta

**Overview**

Valid: 589 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	51	8.7%
1	Yes	538	91.3%

**ELECTR\_CONNECTION\_WORK: Connected to electricity grid is in working condition**

Data file: property\_owner\_end.dta

**Overview**

Valid: 538 Invalid: 51 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%

-777	Not Applicable	0	0%
0	No	16	3%
1	Yes	522	97%
Sysmiss		51	

## ELECTR\_PAY: Who pays electricity for the compound

Data file: property\_owner\_end.dta

### Overview

Valid: 537 Invalid: 52 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-998	Refused to answer	0	0%
1	Landlord pays the electricity bill and charge separately	7	1.3%
2	Landlord pays the electricity bill and it is included in the rent	43	8%
3	Tenants pay the electricity bill directly to the utility company	225	41.9%
4	Myself	262	48.8%
Sysmiss		52	

## ELECTR\_BILL: Monthly electricity bill

Data file: property\_owner\_end.dta

### Overview

Valid: 6 Invalid: 583 Minimum: 500 Maximum: 2500  
 Type: Discrete Decimal: 0 Width: 4 Range: 500 - 2500 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
500		1	16.7%
1000		2	33.3%
1500		1	16.7%
1800		1	16.7%
2500		1	16.7%
Sysmiss		583	

**WATER\_CONNECT: Connected to piped water**

Data file: property\_owner\_end.dta

**Overview**

Valid: 538 Invalid: 51 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	21	3.9%
1	Yes	517	96.1%
Sysmiss		51	

**WATER\_CONNECT\_WORK: Connected to piped water is currently working**

Data file: property\_owner\_end.dta

**Overview**

Valid: 517 Invalid: 72 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	191	36.9%
1	Yes	326	63.1%
Sysmiss		72	

**WATER\_PAY: Who pays for the water**

Data file: property\_owner\_end.dta

**Overview**

Valid: 517 Invalid: 72 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-998	Refused to answer	0	0%
1	Landlord pays the water bill and charge separately	13	2.5%
2	Landlord pays the water bill and it is included in the rent	97	18.8%
3	Tenants pay the water bill directly to the utility company	11	2.1%
4	Don't pay since compound doesnt receive water	105	20.3%
5	Myself	291	56.3%
Sysmiss		72	

## WATER\_BILL\_USUAL: Monthly water bill

Data file: property\_owner\_end.dta

### Overview

Valid: 289 Invalid: 300 Minimum: 100 Maximum: 12000  
 Type: Discrete Decimal: 0 Width: 5 Range: 100 - 12000 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
100		1	0.3%
120		1	0.3%
150		1	0.3%
200		3	1%
250		3	1%
275		1	0.3%
300		16	5.5%
336		1	0.3%
350		2	0.7%
400		24	8.3%
407		1	0.3%
420		1	0.3%
430		1	0.3%
450		6	2.1%
460		1	0.3%
500		44	15.2%

600		16	5.5%
700		9	3.1%
800		14	4.8%
850		1	0.3%
900		2	0.7%
1000		42	14.5%
1050		1	0.3%
1200		11	3.8%
1300		1	0.3%
1400		1	0.3%
1500		11	3.8%
1543		1	0.3%
1600		1	0.3%
1700		1	0.3%
1800		4	1.4%
2000		29	10%
2500		4	1.4%
2600		1	0.3%
2700		1	0.3%
3000		12	4.2%
3800		1	0.3%
4000		4	1.4%
4075		1	0.3%
5000		7	2.4%
6000		2	0.7%
7000		1	0.3%
8000		1	0.3%
10000		1	0.3%
12000		1	0.3%
Sysmiss		300	

## SEWER\_CONNECT: Connected to the sewerage system

Data file: property\_owner\_end.dta

### Overview

Valid: 589 Invalid: Minimum: 0 Maximum: 1

Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	20	3.4%
1	Yes	569	96.6%

### SEWER\_CONNECT\_WHY\_1: Why connected: It's cheaper than current sanitation costs in the long run

Data file: property\_owner\_end.dta

#### Overview

Valid: 569 Invalid: 20 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	399	70.1%
1	Yes	170	29.9%
Sysmiss		20	

### SEWER\_CONNECT\_WHY\_2: Why connected: To provide a healthier environment for tenants

Data file: property\_owner\_end.dta

#### Overview

Valid: 569 Invalid: 20 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%

0	No	204	35.9%
1	Yes	365	64.1%
Sysmiss		20	

### SEWER\_CONNECT\_WHY\_3: Why connected: To provide increased convenience for tenants

Data file: property\_owner\_end.dta

#### Overview

Valid: 569 Invalid: 20 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	528	92.8%
1	Yes	41	7.2%
Sysmiss		20	

### SEWER\_CONNECT\_WHY\_4: Why connected: It is a requirement by County Government

Data file: property\_owner\_end.dta

#### Overview

Valid: 569 Invalid: 20 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	426	74.9%
1	Yes	143	25.1%
Sysmiss		20	

**SEWER\_CONNECT\_WHY\_5: Why connected: It is the only available option**

Data file: property\_owner\_end.dta

**Overview**

Valid: 569 Invalid: 20 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	503	88.4%
1	Yes	66	11.6%
Sysmiss		20	

**SEWER\_CONNECT\_WHY\_6: Why connected: I can receive better rental income**

Data file: property\_owner\_end.dta

**Overview**

Valid: 569 Invalid: 20 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	562	98.8%
1	Yes	7	1.2%
Sysmiss		20	

**SEWER\_CONNECT\_WHY\_7: Why connected: To attract better tenants**

Data file: property\_owner\_end.dta

**Overview**

Valid: 569 Invalid: 20 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	563	98.9%
1	Yes	6	1.1%
Sysmiss		20	

### SEWER\_CONNECT\_WHY\_8: Why connected: To reduce tenant turnover rates

Data file: property\_owner\_end.dta

#### Overview

Valid: 569 Invalid: 20 Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	569	100%
1	Yes	0	0%
Sysmiss		20	

### SEWER\_CONNECT\_WHY\_9: Why connected: Increase value of compound

Data file: property\_owner\_end.dta

#### Overview

Valid: 569 Invalid: 20 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%

0	No	564	99.1%
1	Yes	5	0.9%
Sysmiss		20	

### SEWER\_CONNECT\_WHY\_888: Why connected: Other

Data file: property\_owner\_end.dta

#### Overview

Valid: 569 Invalid: 20 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	452	79.4%
1	Yes	117	20.6%
Sysmiss		20	

### SEWER\_CONNECT\_WHYNOT\_1: Why not connected: I cannot afford the upfront costs

Data file: property\_owner\_end.dta

#### Overview

Valid: 20 Invalid: 569 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	15	75%
1	Yes	5	25%
Sysmiss		569	

**SEWER\_CONNECT\_WHYNOT\_2: Why not connected: It is not worth the additional costs**

Data file: property\_owner\_end.dta

**Overview**

Valid: 20 Invalid: 569 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	19	95%
1	Yes	1	5%
Sysmiss		569	

**SEWER\_CONNECT\_WHYNOT\_3: Why not connected: Current sanitation facilities are sufficient**

Data file: property\_owner\_end.dta

**Overview**

Valid: 20 Invalid: 569 Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	20	100%
1	Yes	0	0%
Sysmiss		569	

**SEWER\_CONNECT\_WHYNOT\_4: Why not connected: No water connection**

Data file: property\_owner\_end.dta

**Overview**

Valid: 20 Invalid: 569 Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	20	100%
1	Yes	0	0%
Sysmiss		569	

### SEWER\_CONNECT\_WHYNOT\_5: Why not connected: The connection will be of poor quality

Data file: property\_owner\_end.dta

#### Overview

Valid: 20 Invalid: 569 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	18	90%
1	Yes	2	10%
Sysmiss		569	

### SEWER\_CONNECT\_WHYNOT\_6: Why not connected: The connection will take too long to receive

Data file: property\_owner\_end.dta

#### Overview

Valid: 20 Invalid: 569 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%

-777	Not Applicable	0	0%
0	No	17	85%
1	Yes	3	15%
Sysmiss		569	

### SEWER\_CONNECT\_WHYNOT\_7: Why not connected: I do not trust the water and sewerage company

Data file: property\_owner\_end.dta

#### Overview

Valid: 20 Invalid: 569 Minimum: 0  
Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	20	100%
1	Yes	0	0%
Sysmiss		569	

### SEWER\_CONNECT\_WHYNOT\_8: Why not connected: Maintenance will be too costly

Data file: property\_owner\_end.dta

#### Overview

Valid: 20 Invalid: 569 Minimum: 0  
Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	20	100%
1	Yes	0	0%
Sysmiss		569	

**SEWER\_CONNECT\_WHYNOT\_9: Why not connected: The compound was disconnected by NCWSC**

Data file: property\_owner\_end.dta

**Overview**

Valid: 20 Invalid: 569 Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	20	100%
1	Yes	0	0%
Sysmiss		569	

**SEWER\_CONNECT\_WHYNOT\_888: Why not connected: Other**

Data file: property\_owner\_end.dta

**Overview**

Valid: 20 Invalid: 569 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	9	45%
1	Yes	11	55%
Sysmiss		569	

**TENANT\_INTERACT: How often speaks with tenants**

Data file: property\_owner\_end.dta

**Overview**

Valid: 371 Invalid: 218 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Daily	129	34.8%
2	Weekly	42	11.3%
3	A few times a month	60	16.2%
4	Once a month	64	17.3%
5	Less than once a month	76	20.5%
Sysmiss		218	

## TENANT\_MIGRATE: Number of tenants moved out in the last 6 months

Data file: property\_owner\_end.dta

### Overview

Valid: 364 Invalid: 225 Minimum: 0 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 15 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		125	34.3%
1		75	20.6%
2		47	12.9%
3		61	16.8%
4		17	4.7%
5		14	3.8%
6		10	2.7%
7		2	0.5%
8		4	1.1%
10		7	1.9%
15		2	0.5%
Sysmiss		225	

## STAYDURATION\_YRS: Tenant stay duration: Years

Data file: property\_owner\_end.dta

**Overview**

Valid: 354 Invalid: 235 Minimum: 0 Maximum: 16  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 16 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		113	31.9%
1		85	24%
2		63	17.8%
3		28	7.9%
4		14	4%
5		24	6.8%
6		9	2.5%
7		1	0.3%
8		3	0.8%
10		12	3.4%
14		1	0.3%
16		1	0.3%
Sysmiss		235	

**STAYDURATION\_MONTHS: Tenant stay duration: Months**

Data file: property\_owner\_end.dta

**Overview**

Valid: 349 Invalid: 240 Minimum: -99 Maximum: 11  
 Type: Discrete Decimal: 0 Width: 3 Range: -99 - 11 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99		1	0.3%
0		170	48.7%
1		10	2.9%
2		19	5.4%
3		31	8.9%
4		12	3.4%
5		18	5.2%

6		66	18.9%
7		4	1.1%
8		13	3.7%
9		2	0.6%
10		1	0.3%
11		2	0.6%
Sysmiss		240	

## RENT\_TIME: Tenants pay their rent on time

Data file: property\_owner\_end.dta

### Overview

Valid: 371 Invalid: 218 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Very likely	35	9.4%
2	Somewhat likely	98	26.4%
3	Somewhat unlikely	125	33.7%
4	Very unlikely	113	30.5%
Sysmiss		218	

## CMPD\_CONDITION: Tenants keep the compound in a good condition

Data file: property\_owner\_end.dta

### Overview

Valid: 371 Invalid: 218 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Very likely	163	43.9%
2	Somewhat likely	132	35.6%
3	Somewhat unlikely	44	11.9%
4	Very unlikely	32	8.6%

Sysmiss		218	
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### **CMPD\_IMPROVE: Tenants request improvements in the compound**

Data file: property\_owner\_end.dta

#### **Overview**

Valid: 371 Invalid: 218 Minimum: 1 Maximum: 4  
Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

#### **Questions and instructions**

##### CATEGORIES

Value	Category	Cases	
1	Very likely	100	27%
2	Somewhat likely	152	41%
3	Somewhat unlikely	55	14.8%
4	Very unlikely	64	17.3%
Sysmiss		218	

### **CMPD\_COMPLAIN: Tenants complain about conditions in the compound**

Data file: property\_owner\_end.dta

#### **Overview**

Valid: 371 Invalid: 218 Minimum: 1 Maximum: 4  
Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

#### **Questions and instructions**

##### CATEGORIES

Value	Category	Cases	
1	Very likely	57	15.4%
2	Somewhat likely	95	25.6%
3	Somewhat unlikely	86	23.2%
4	Very unlikely	133	35.8%
Sysmiss		218	

### **NEW\_TENANT\_CONSIDER\_1: New tenant: Amount of deposit provided**

Data file: property\_owner\_end.dta

**Overview**

Valid: 371 Invalid: 218 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	339	91.4%
1	Yes	32	8.6%
Sysmiss		218	

**NEW\_TENANT\_CONSIDER\_2: New tenant: Proof of income sources able to cover rent**

Data file: property\_owner\_end.dta

**Overview**

Valid: 371 Invalid: 218 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	217	58.5%
1	Yes	154	41.5%
Sysmiss		218	

**NEW\_TENANT\_CONSIDER\_3: New tenant: Friend or family member**

Data file: property\_owner\_end.dta

**Overview**

Valid: 371 Invalid: 218 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	353	95.1%
1	Yes	18	4.9%
Sysmiss		218	

#### NEW\_TENANT\_CONSIDER\_4: New tenant: Good references

Data file: property\_owner\_end.dta

##### Overview

Valid: 371 Invalid: 218 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

##### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	324	87.3%
1	Yes	47	12.7%
Sysmiss		218	

#### NEW\_TENANT\_CONSIDER\_5: New tenant: Nice person/people

Data file: property\_owner\_end.dta

##### Overview

Valid: 371 Invalid: 218 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

##### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	243	65.5%
1	Yes	128	34.5%
Sysmiss		218	

**NEW\_TENANT\_CONSIDER\_6: New tenant: Prominent member(s) of the community**

Data file: property\_owner\_end.dta

**Overview**

Valid: 371 Invalid: 218 Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	371	100%
1	Yes	0	0%
Sysmiss		218	

**NEW\_TENANT\_CONSIDER\_7: New tenant: Number of conditions for lease**

Data file: property\_owner\_end.dta

**Overview**

Valid: 371 Invalid: 218 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	324	87.3%
1	Yes	47	12.7%
Sysmiss		218	

**NEW\_TENANT\_CONSIDER\_8: New tenant: Willingness to take a longer lease**

Data file: property\_owner\_end.dta

**Overview**

Valid: 371 Invalid: 218 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	367	98.9%
1	Yes	4	1.1%
Sysmiss		218	

### NEW\_TENANT\_CONSIDER\_9: New tenant: Good behaviour/ Responsible

Data file: property\_owner\_end.dta

#### Overview

Valid: 371 Invalid: 218 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	215	58%
1	Yes	156	42%
Sysmiss		218	

### NEW\_TENANT\_CONSIDER\_888: New tenant: Other

Data file: property\_owner\_end.dta

#### Overview

Valid: 371 Invalid: 218 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%

0	No	216	58.2%
1	Yes	155	41.8%
Sysmiss		218	

### PROPERTY\_OWN: Properties owned

Data file: property\_owner\_end.dta

#### Overview

Valid: 571 Invalid: 18 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1		426	74.6%
2		104	18.2%
3		41	7.2%
Sysmiss		18	

### PROPERTY\_OWN\_INC: Properties receive rental income

Data file: property\_owner\_end.dta

#### Overview

Valid: 578 Invalid: 11 Minimum: 0 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0		212	36.7%
1		325	56.2%
2		32	5.5%
3		9	1.6%
Sysmiss		11	

### RENTAL\_INCOMES\_LASTMONTH: Rental income from all properties last month

Data file: property\_owner\_end.dta

**Overview**

Valid: 342 Invalid: 247 Minimum: 0 Maximum: 248000  
 Type: Continuous Decimal: 0 Width: 6 Range: 0 - 248000 Format: Numeric

**RENT\_INCOMES\_PROPORION: Percentage of total income from rental income**

Data file: property\_owner\_end.dta

**Overview**

Valid: 368 Invalid: 221 Minimum: 1 Maximum: 100  
 Type: Continuous Decimal: 0 Width: 3 Range: 1 - 100 Format: Numeric

**TOTAL\_INCOME: Total income last month**

Data file: property\_owner\_end.dta

**Overview**

Valid: 458 Invalid: 131 Minimum: 0 Maximum: 748000  
 Type: Continuous Decimal: 0 Width: 6 Range: 0 - 748000 Format: Numeric

**NCWS\_FEES: Water and sanitation fees applied by Nairobi Water are fair**

Data file: property\_owner\_end.dta

**Overview**

Valid: 537 Invalid: 52 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-555	Not applicable	0	0%
1	Strongly agree	49	9.1%
2	Agree	183	34.1%
3	Disagree	135	25.1%
4	Strongly disagree	170	31.7%
Sysmiss		52	

**DISCONNECT: If you don't pay fees, there is a strong chance of disconnection**

Data file: property\_owner\_end.dta

**Overview**

Valid: 567 Invalid: 22 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-555	Not applicable	0	0%
1	Strongly agree	354	62.4%
2	Agree	180	31.7%
3	Disagree	19	3.4%
4	Strongly disagree	14	2.5%
Sysmiss		22	

**APPROACH: The approach Nairobi Water uses to enforce repayments is fair**

Data file: property\_owner\_end.dta

**Overview**

Valid: 544 Invalid: 45 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-555	Not applicable	0	0%
1	Strongly agree	78	14.3%
2	Agree	206	37.9%
3	Disagree	123	22.6%
4	Strongly disagree	137	25.2%
Sysmiss		45	

**NCWS\_SAT: I am satisfied with the water and/or sanitation services I receive**

Data file: property\_owner\_end.dta

**Overview**

Valid: 573 Invalid: 16 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-555	Not applicable	0	0%
1	Strongly agree	46	8%
2	Agree	132	23%
3	Disagree	142	24.8%
4	Strongly disagree	253	44.2%
Sysmiss		16	

### GOVT\_COMIT: The government is interested in improving the living conditions

Data file: property\_owner\_end.dta

#### Overview

Valid: 551 Invalid: 38 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-555	Not applicable	0	0%
1	Strongly agree	120	21.8%
2	Agree	273	49.5%
3	Disagree	79	14.3%
4	Strongly disagree	79	14.3%
Sysmiss		38	

### AFFORDABILITY: Water and sewer fees are affordable

Data file: property\_owner\_end.dta

#### Overview

Valid: 536 Invalid: 53 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-555	Not applicable	0	0%
1	Strongly agree	70	13.1%
2	Agree	250	46.6%
3	Disagree	118	22%
4	Strongly disagree	98	18.3%
Sysmiss		53	

### NCW\_COMMUNICATE: Nairobi Water provides clear communication to us

Data file: property\_owner\_end.dta

#### Overview

Valid: 555 Invalid: 34 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-555	Not applicable	0	0%
1	Strongly agree	81	14.6%
2	Agree	200	36%
3	Disagree	114	20.5%
4	Strongly disagree	160	28.8%
Sysmiss		34	

### NCWS\_IMPROV: The water and sanitation services improve people's lives

Data file: property\_owner\_end.dta

#### Overview

Valid: 573 Invalid: 16 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-555	Not applicable	0	0%
1	Strongly agree	179	31.2%
2	Agree	252	44%
3	Disagree	72	12.6%
4	Strongly disagree	70	12.2%
Sysmiss		16	

### GOVT\_NO\_HELP: The government is not interested in helping us

Data file: property\_owner\_end.dta

#### Overview

Valid: 551 Invalid: 38 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-555	Not applicable	0	0%
1	Strongly agree	59	10.7%
2	Agree	107	19.4%
3	Disagree	236	42.8%
4	Strongly disagree	149	27%
Sysmiss		38	

### WAT\_SAN\_IMPRO: Water and sanitation services in general helps improve people's lives

Data file: property\_owner\_end.dta

#### Overview

Valid: 581 Invalid: 8 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-555	Not applicable	0	0%
1	Strongly agree	305	52.5%
2	Agree	237	40.8%
3	Disagree	30	5.2%
4	Strongly disagree	9	1.5%
Sysmiss		8	

### ACCURATE: The water bills are accurate

Data file: property\_owner\_end.dta

#### Overview

Valid: 463 Invalid: 126 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-555	Not applicable	0	0%
1	Strongly agree	49	10.6%
2	Agree	137	29.6%
3	Disagree	102	22%
4	Strongly disagree	175	37.8%
Sysmiss		126	

### JISOMEE\_EASE: The jisomee mita system is easy to use

Data file: property\_owner\_end.dta

#### Overview

Valid: 440 Invalid: 149 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-555	Not applicable	0	0%
1	Strongly agree	175	39.8%
2	Agree	173	39.3%
3	Disagree	61	13.9%
4	Strongly disagree	31	7%
Sysmiss		149	

### TENANT\_CONTENTMENT: Tenants appreciate the water and sanitation services provided in my compound

Data file: property\_owner\_end.dta

#### Overview

Valid: 359 Invalid: 230 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-555	Not applicable	0	0%
1	Strongly agree	70	19.5%
2	Agree	103	28.7%
3	Disagree	102	28.4%
4	Strongly disagree	84	23.4%
Sysmiss		230	

### ILLEGAL\_CONECTIONS: Illegal connections are common in settlement

Data file: property\_owner\_end.dta

#### Overview

Valid: 428 Invalid: 161 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-555	Not applicable	0	0%
1	Strongly agree	34	7.9%
2	Agree	106	24.8%
3	Disagree	134	31.3%
4	Strongly disagree	154	36%
Sysmiss		161	

## ILLEGAL\_PROPORTION: Proportion of people in settlement have illegal water connection

Data file: property\_owner\_end.dta

### Overview

Valid: 276 Invalid: 313 Minimum: 0 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		99	35.9%
1		12	4.3%
2		10	3.6%
3		2	0.7%
5		17	6.2%
10		45	16.3%
20		23	8.3%
25		3	1.1%
30		15	5.4%
40		9	3.3%
50		17	6.2%
60		5	1.8%
65		1	0.4%
70		8	2.9%
80		4	1.4%
85		1	0.4%

90		2	0.7%
98		1	0.4%
99		1	0.4%
100		1	0.4%
Sysmiss		313	

## NOPAY\_COMMON: Non-payment of water and sanitation bills are common in my settlement

Data file: property\_owner\_end.dta

### Overview

Valid: 455 Invalid: 134 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-555	Not applicable	0	0%
1	Strongly agree	90	19.8%
2	Agree	210	46.2%
3	Disagree	104	22.9%
4	Strongly disagree	51	11.2%
Sysmiss		134	

## NOPAY\_PROPORTION: Proportion of people in your settlement do you think pay all of their water

Data file: property\_owner\_end.dta

### Overview

Valid: 353 Invalid: 236 Minimum: 0 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		11	3.1%
1		1	0.3%
3		1	0.3%

5		5	1.4%
8		1	0.3%
10		23	6.5%
15		3	0.8%
20		35	9.9%
25		4	1.1%
30		31	8.8%
40		23	6.5%
45		7	2%
50		78	22.1%
55		2	0.6%
60		23	6.5%
65		2	0.6%
70		34	9.6%
75		3	0.8%
78		1	0.3%
80		30	8.5%
85		1	0.3%
90		20	5.7%
95		4	1.1%
98		1	0.3%
99		2	0.6%
100		7	2%
Sysmiss		236	

## SEWER\_PAID: Paid off sewer loan

Data file: property\_owner\_end.dta

### Overview

Valid: 554 Invalid: 35 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	484	87.4%

1	Yes	70	12.6%
Sysmiss		35	

### WATERLOAN\_PAID: Paid off water loan

Data file: property\_owner\_end.dta

#### Overview

Valid: 562 Invalid: 27 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	445	79.2%
1	Yes	117	20.8%
Sysmiss		27	

### LOAN\_BALANCE: Outstanding water/sewer loan balance

Data file: property\_owner\_end.dta

#### Overview

Valid: 219 Invalid: 370 Minimum: 5000 Maximum: 35000  
 Type: Discrete Decimal: 0 Width: 5 Range: 5000 - 35000 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
5000		68	31.1%
15000		49	22.4%
25000		89	40.6%
35000		13	5.9%
Sysmiss		370	

### DAYS\_WATER\_AVAIL: Days in the last week received water

Data file: property\_owner\_end.dta

**Overview**

Valid: 574 Invalid: 15 Minimum: 0 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 7 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		396	69%
1		136	23.7%
2		30	5.2%
3		3	0.5%
4		1	0.2%
6		3	0.5%
7		5	0.9%
Sysmiss		15	

**SERVICE\_IMPROVE\_1: Improve service: Water Services improvement**

Data file: property\_owner\_end.dta

**Overview**

Valid: 589 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	61	10.4%
1	Yes	528	89.6%

**SERVICE\_IMPROVE\_2: Improve service: Sewer Services improvement**

Data file: property\_owner\_end.dta

**Overview**

Valid: 589 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	270	45.8%
1	Yes	319	54.2%

### **SERVICE\_IMPROVE\_3: Improve service: Billing & Payment Services improvement**

Data file: property\_owner\_end.dta

#### Overview

Valid: 589 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	468	79.5%
1	Yes	121	20.5%

### **SERVICE\_IMPROVE\_4: Improve service: Customer Services improvement**

Data file: property\_owner\_end.dta

#### Overview

Valid: 589 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	519	88.1%
1	Yes	70	11.9%

**SERVICE\_IMPROVE\_\_888: Improve service: Other**

Data file: property\_owner\_end.dta

**Overview**

Valid: 589 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	428	72.7%
1	Yes	161	27.3%

**DEPOSIT\_PAY: Paid an upfront deposit to be connected to the sewer**

Data file: property\_owner\_end.dta

**Overview**

Valid: 589 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	57	9.7%
1	Yes	532	90.3%

**DEPOSIT\_AMOUNT: Amount paid for an upfront deposit to be connected to the sewer**

Data file: property\_owner\_end.dta

**Overview**

Valid: 392 Invalid: 197 Minimum: 425 Maximum: 10000  
 Type: Continuous Decimal: 0 Width: 5 Range: 425 - 10000 Format: Numeric

**SERVICE\_CHARGE: Knows average monthly water and sanitation service charge**

Data file: property\_owner\_end.dta

**Overview**

Valid: 589 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	373	63.3%
1	Yes	216	36.7%

**SERVICE\_AMOUNT: Average monthly water and sanitation service charge**

Data file: property\_owner\_end.dta

**Overview**

Valid: 196 Invalid: 393 Minimum: 50 Maximum: 3500  
 Type: Discrete Decimal: 0 Width: 4 Range: 50 - 3500 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
50		1	0.5%
150		7	3.6%
175		2	1%
200		7	3.6%
240		3	1.5%
250		11	5.6%
254		4	2%
258		1	0.5%
260		1	0.5%
270		1	0.5%
300		2	1%
340		1	0.5%
400		12	6.1%
407		10	5.1%

408		1	0.5%
425		1	0.5%
437		1	0.5%
450		75	38.3%
460		1	0.5%
490		1	0.5%
500		10	5.1%
550		1	0.5%
600		2	1%
650		1	0.5%
700		5	2.6%
720		1	0.5%
800		4	2%
805		1	0.5%
850		6	3.1%
857		3	1.5%
900		3	1.5%
950		1	0.5%
1000		5	2.6%
1200		2	1%
1300		1	0.5%
1500		2	1%
1590		1	0.5%
2000		2	1%
3400		1	0.5%
3500		1	0.5%
Sysmiss		393	

## TENANT\_DISCUSS: Tenants have ever discussed water and sanitation bills

Data file: property\_owner\_end.dta

### Overview

Valid: 371 Invalid: 218 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
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-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	285	76.8%
1	Yes	86	23.2%
Sysmiss		218	

## BILL\_ISSUE: What tenants discussed about water and sanitation bills

Data file: property\_owner\_end.dta

### Overview

Valid: 86 Invalid: 503 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Water bills	52	60.5%
2	Sewer bills	1	1.2%
3	Both water and bill issues	33	38.4%
Sysmiss		503	

## TENANT\_COMPLAIN: Tenants ever complained about the water and sewer facilities

Data file: property\_owner\_end.dta

### Overview

Valid: 371 Invalid: 218 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	83	22.4%
1	Yes	288	77.6%
Sysmiss		218	

**TENANT\_COMPLAIN\_JUSTIFY: Complaints were justified**

Data file: property\_owner\_end.dta

**Overview**

Valid: 288 Invalid: 301 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	5	1.7%
1	Yes	283	98.3%
Sysmiss		301	

**SOURCE\_1: Main source of water used by the members of this compound**

Data file: property\_owner\_end.dta

**Overview**

Valid: 186 Invalid: 403 Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 7 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-888	Other	0	0%
1	Pipe connected	68	36.6%
2	Piped, notin plot	16	8.6%
3	Borehole on plot	10	5.4%
4	Borehole off plot	43	23.1%
5	Open well, on plot	0	0%
6	Open well, off plot	0	0%
7	Water vendor	49	26.3%
Sysmiss		403	

**RUN\_WATER: Source has running water at the time of the interview**

Data file: property\_owner\_end.dta

**Overview**

Valid: 144 Invalid: 445 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	120	83.3%
1	Yes	24	16.7%
Sysmiss		445	

**WATER\_AVAIL\_1: Days with water: Monday**

Data file: property\_owner\_end.dta

**Overview**

Valid: 193 Invalid: 396 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	160	82.9%
1	Yes	33	17.1%
Sysmiss		396	

**WATER\_AVAIL\_2: Days with water: Tuesday**

Data file: property\_owner\_end.dta

**Overview**

Valid: 193 Invalid: 396 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	153	79.3%
1	Yes	40	20.7%
Sysmiss		396	

### WATER\_AVAIL\_3: Days with water: Wednesday

Data file: property\_owner\_end.dta

#### Overview

Valid: 193 Invalid: 396 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	161	83.4%
1	Yes	32	16.6%
Sysmiss		396	

### WATER\_AVAIL\_4: Days with water: Thursday

Data file: property\_owner\_end.dta

#### Overview

Valid: 193 Invalid: 396 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	162	83.9%
1	Yes	31	16.1%
Sysmiss		396	

**WATER\_AVAIL\_5: Days with water: Friday**

Data file: property\_owner\_end.dta

**Overview**

Valid: 193    Invalid: 396    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	163	84.5%
1	Yes	30	15.5%
Systemiss		396	

**WATER\_AVAIL\_6: Days with water: Saturday**

Data file: property\_owner\_end.dta

**Overview**

Valid: 193    Invalid: 396    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	139	72%
1	Yes	54	28%
Systemiss		396	

**WATER\_AVAIL\_7: Days with water: Sunday**

Data file: property\_owner\_end.dta

**Overview**

Valid: 193    Invalid: 396    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	153	79.3%
1	Yes	40	20.7%
Systemiss		396	

### WATER\_AVAIL\_999: Days with water: Don't know

Data file: property\_owner\_end.dta

#### Overview

Valid: 193 Invalid: 396 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	133	68.9%
1	Yes	60	31.1%
Systemiss		396	

### HH\_SHARING\_WAT: Number of households using this facility

Data file: property\_owner\_end.dta

#### Overview

Valid: 176 Invalid: 413 Minimum: 0 Maximum: 500  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 500 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		5	2.8%
1		144	81.8%

2		7	4%
3		2	1.1%
5		1	0.6%
10		2	1.1%
50		1	0.6%
80		1	0.6%
100		2	1.1%
200		3	1.7%
250		1	0.6%
300		2	1.1%
500		5	2.8%
Sysmiss		413	

### SOURCE\_1\_CPD: Main water source in the compound

Data file: property\_owner\_end.dta

#### Overview

Valid: 212 Invalid: 377 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	130	61.3%
1	Yes	82	38.7%
Sysmiss		377	

### WATER\_DISTANCE: Time in minutes to collect water from this source

Data file: property\_owner\_end.dta

#### Overview

Valid: 128 Invalid: 461 Minimum: 0 Maximum: 180  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 180 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0		4	3.1%
1		4	3.1%
2		7	5.5%
5		20	15.6%
8		1	0.8%
10		26	20.3%
12		1	0.8%
15		6	4.7%
20		15	11.7%
25		1	0.8%
30		25	19.5%
35		1	0.8%
40		1	0.8%
45		1	0.8%
60		10	7.8%
120		4	3.1%
180		1	0.8%
Sysmiss		461	

## WATER\_PICKUPS: Times in a typical week collect water from this source

Data file: property\_owner\_end.dta

### Overview

Valid: 124 Invalid: 465 Minimum: 0 Maximum: 35  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 35 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		5	4%
1		24	19.4%
2		16	12.9%
3		13	10.5%
4		10	8.1%
5		6	4.8%
6		5	4%
7		22	17.7%

9		1	0.8%
10		5	4%
12		1	0.8%
13		1	0.8%
14		4	3.2%
20		1	0.8%
21		5	4%
28		1	0.8%
30		2	1.6%
32		1	0.8%
35		1	0.8%
Sysmiss		465	

### WATER\_SATISFY: Satisfaction with main water source

Data file: property\_owner\_end.dta

#### Overview

Valid: 212 Invalid: 377 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Very satisfied	29	13.7%
2	Somewhat satisfied	57	26.9%
3	Somewhat unsatisfied	54	25.5%
4	Very unsatisfied	72	34%
Sysmiss		377	

### SOURCE\_1\_PAY: Pay for use of main water source

Data file: property\_owner\_end.dta

#### Overview

Valid: 212 Invalid: 377 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	31	14.6%
1	Yes	181	85.4%
Sysmiss		377	

## WATER\_PAY\_AMT: Amount paid for use of main water source

Data file: property\_owner\_end.dta

### Overview

Valid: 168 Invalid: 421 Minimum: 2 Maximum: 6000  
 Type: Discrete Decimal: 0 Width: 4 Range: 2 - 6000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
2		11	6.5%
3		15	8.9%
4		1	0.6%
5		39	23.2%
10		17	10.1%
15		7	4.2%
20		18	10.7%
25		1	0.6%
30		3	1.8%
60		1	0.6%
200		5	3%
240		1	0.6%
300		4	2.4%
380		1	0.6%
400		2	1.2%
420		1	0.6%
450		3	1.8%
500		5	3%
600		1	0.6%
700		1	0.6%
800		2	1.2%

1000		7	4.2%
1200		1	0.6%
1500		4	2.4%
1700		1	0.6%
1800		1	0.6%
2000		6	3.6%
2400		1	0.6%
2500		2	1.2%
2800		1	0.6%
3000		1	0.6%
4000		1	0.6%
5000		1	0.6%
6000		2	1.2%
Sysmiss		421	

## WATER\_UNIT: Units of measurement

Data file: property\_owner\_end.dta

### Overview

Valid: 190 Invalid: 399 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 3 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-888	Other, specify	0	0%
1	Per jerican	125	65.8%
2	Per month for piped water	52	27.4%
3	Per trip for water boozer/ water vendor	13	6.8%
Sysmiss		399	

## MAIN\_FAC: Main sanitation facility is within the compound

Data file: property\_owner\_end.dta

### Overview

Valid: 212 Invalid: 377 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	3	1.4%
1	Yes	209	98.6%
Sysmiss		377	

## TOILET\_DISTANCE: Time to walk to the sanitation facility

Data file: property\_owner\_end.dta

### Overview

Valid: 3 Invalid: 586 Minimum: 0 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		1	33.3%
2		2	66.7%
Sysmiss		586	

## SATISFACTION: Satisfaction with your main sanitation facilities

Data file: property\_owner\_end.dta

### Overview

Valid: 212 Invalid: 377 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Very satisfied	119	56.1%
2	Somewhat satisfied	54	25.5%
3	Somewhat unsatisfied	21	9.9%
4	Very unsatisfied	18	8.5%

Sysmiss		377	
---------	--	-----	--

## PAY\_FAC: Pay for use of your main sanitation facilities

Data file: property\_owner\_end.dta

### Overview

Valid: 212 Invalid: 377 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	210	99.1%
1	Yes	2	0.9%
Sysmiss		377	

## PAY\_USE: Amount paid for use of your main sanitation facilities per visit

Data file: property\_owner\_end.dta

### Overview

Valid: 2 Invalid: 587 Minimum: 400 Maximum: 450  
 Type: Discrete Decimal: 0 Width: 3 Range: 400 - 450 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
400		1	50%
450		1	50%
Sysmiss		587	

## OFTEN\_PAY: How often pay for use of main sanitation facilities per day

Data file: property\_owner\_end.dta

### Overview

Valid: 2 Invalid: 587 Minimum: 4 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 4 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-888	Other, specify	0	0%
1	Per use	0	0%
2	Per day	0	0%
3	Per week	0	0%
4	Per month	2	100%
Sysmiss		587	

## NUM\_TOIL: Number of toilet facilities in compound

Data file: property\_owner\_end.dta

### Overview

Valid: 211 Invalid: 378 Minimum: 0 Maximum: 16  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 16 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		2	0.9%
1		47	22.3%
2		145	68.7%
3		8	3.8%
4		5	2.4%
5		1	0.5%
6		1	0.5%
16		2	0.9%
Sysmiss		378	

## TYPE\_TOIL: Main toilet facility currently used

Data file: property\_owner\_end.dta

### Overview

Valid: 212 Invalid: 377 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Flush/Pour flush	207	97.6%
2	Ventilated improved pit latrine	0	0%
3	Pit latrine with slab	5	2.4%
4	Composting toilet	0	0%
5	Pit latrine without slab / open pit	0	0%
6	Bucket	0	0%
7	Hanging toilet / hanging latrine	0	0%
8	Plastic bag system (flying toilet)	0	0%
9	Peepoo	0	0%
Sysmiss		377	

### FLUSH\_TO: Where flush toilet or pour flush is connected to

Data file: property\_owner\_end.dta

#### Overview

Valid: 207 Invalid: 382 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Connected to piped sewer system	197	95.2%
2	Connected to septic tank	6	2.9%
3	Connected to pit latrine	0	0%
4	Flush/pour to don't know where	4	1.9%
Sysmiss		382	

### LAT\_FEAT\_1: Features: Latrine elevated (built above ground)

Data file: property\_owner\_end.dta

#### Overview

Valid: 192 Invalid: 397 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	131	68.2%
1	Yes	61	31.8%
Sysmiss		397	

### LAT\_FEAT\_2: Features: Foot rests

Data file: property\_owner\_end.dta

#### Overview

Valid: 192 Invalid: 397 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	156	81.3%
1	Yes	36	18.8%
Sysmiss		397	

### LAT\_FEAT\_3: Features: Seat

Data file: property\_owner\_end.dta

#### Overview

Valid: 192 Invalid: 397 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%

0	No	186	96.9%
1	Yes	6	3.1%
Sysmiss		397	

### LAT\_FEAT\_4: Features: Floor tiles

Data file: property\_owner\_end.dta

#### Overview

Valid: 192 Invalid: 397 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	169	88%
1	Yes	23	12%
Sysmiss		397	

### LAT\_FEAT\_5: Features: Wall tiles

Data file: property\_owner\_end.dta

#### Overview

Valid: 192 Invalid: 397 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	171	89.1%
1	Yes	21	10.9%
Sysmiss		397	

**LAT\_FEAT\_6: Features: Hole cover**

Data file: property\_owner\_end.dta

**Overview**

Valid: 192    Invalid: 397    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	188	97.9%
1	Yes	4	2.1%
Sysmiss		397	

**LAT\_FEAT\_7: Features: Water seal**

Data file: property\_owner\_end.dta

**Overview**

Valid: 192    Invalid: 397    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	70	36.5%
1	Yes	122	63.5%
Sysmiss		397	

**LAT\_FEAT\_889: Features: Couldnotobserve**

Data file: property\_owner\_end.dta

**Overview**

Valid: 192    Invalid: 397    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	182	94.8%
1	Yes	10	5.2%
Sysmiss		397	

### LAT\_FEAT\_888: Features: Other

Data file: property\_owner\_end.dta

#### Overview

Valid: 192    Invalid: 397    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	189	98.4%
1	Yes	3	1.6%
Sysmiss		397	

### SUPER\_FEAT\_1: Superstructure: Roof

Data file: property\_owner\_end.dta

#### Overview

Valid: 192    Invalid: 397    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%

0	No	23	12%
1	Yes	169	88%
Sysmiss		397	

### **SUPER\_FEAT\_2: Superstructure: Fully enclosed wall**

Data file: property\_owner\_end.dta

#### **Overview**

Valid: 192 Invalid: 397 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### **Questions and instructions**

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	41	21.4%
1	Yes	151	78.6%
Sysmiss		397	

### **SUPER\_FEAT\_3: Superstructure: Partially enclosed wall**

Data file: property\_owner\_end.dta

#### **Overview**

Valid: 192 Invalid: 397 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### **Questions and instructions**

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	166	86.5%
1	Yes	26	13.5%
Sysmiss		397	

**SUPER\_FEAT\_4: Superstructure: Full door**

Data file: property\_owner\_end.dta

**Overview**

Valid: 192    Invalid: 397    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	43	22.4%
1	Yes	149	77.6%
Sysmiss		397	

**SUPER\_FEAT\_5: Superstructure: Half door**

Data file: property\_owner\_end.dta

**Overview**

Valid: 192    Invalid: 397    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	185	96.4%
1	Yes	7	3.6%
Sysmiss		397	

**SUPER\_FEAT\_6: Superstructure: Lockable door**

Data file: property\_owner\_end.dta

**Overview**

Valid: 192    Invalid: 397    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	62	32.3%
1	Yes	130	67.7%
Sysmiss		397	

### **SUPER\_FEAT\_7: Superstructure: Curtain**

Data file: property\_owner\_end.dta

#### Overview

Valid: 192 Invalid: 397 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	183	95.3%
1	Yes	9	4.7%
Sysmiss		397	

### **SUPER\_FEAT\_555: Superstructure: No superstructure**

Data file: property\_owner\_end.dta

#### Overview

Valid: 192 Invalid: 397 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%

0	No	191	99.5%
1	Yes	1	0.5%
Sysmiss		397	

### **SUPER\_FEAT\_\_889: Superstructure: Could not observe**

Data file: property\_owner\_end.dta

#### **Overview**

Valid: 192 Invalid: 397 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### **Questions and instructions**

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	182	94.8%
1	Yes	10	5.2%
Sysmiss		397	

### **SUPER\_FEAT\_\_888: Superstructure: Other**

Data file: property\_owner\_end.dta

#### **Overview**

Valid: 192 Invalid: 397 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### **Questions and instructions**

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	188	97.9%
1	Yes	4	2.1%
Sysmiss		397	

**HAND\_WASH: Handwashing station**

Data file: property\_owner\_end.dta

**Overview**

Valid: 212 Invalid: 377 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	95	44.8%
1	Yes	117	55.2%
Sysmiss		377	

**WATER\_TANK: Water storage tank**

Data file: property\_owner\_end.dta

**Overview**

Valid: 212 Invalid: 377 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	30	14.2%
1	Yes	182	85.8%
Sysmiss		377	

**SHARED: Toilet facility is private or shared**

Data file: property\_owner\_end.dta

**Overview**

Valid: 212 Invalid: 377 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Private	205	96.7%
2	Shared by several compounds	7	3.3%
3	Public/used by all	0	0%
Sysmiss		377	

### HH\_SHARING: Households that use facility

Data file: property\_owner\_end.dta

#### Overview

Valid: 211 Invalid: 378 Minimum: 0 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		12	5.7%
1		174	82.5%
2		9	4.3%
3		5	2.4%
4		3	1.4%
5		2	0.9%
6		1	0.5%
7		1	0.5%
8		1	0.5%
9		1	0.5%
50		1	0.5%
100		1	0.5%
Sysmiss		378	

### BLOCK\_FLOOD: Toilet facility is flooded or blocked

Data file: property\_owner\_end.dta

#### Overview

Valid: 212 Invalid: 377 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	197	92.9%
1	Yes	15	7.1%
System		377	

### WAT\_MET: Water meter installed

Data file: property\_owner\_end.dta

#### Overview

Valid: 212 Invalid: 377 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-777	Not Applicable	0	0%
0	No	21	9.9%
1	Yes	191	90.1%
System		377	

### MET\_WORK: Water meter in working condition

Data file: property\_owner\_end.dta

#### Overview

Valid: 191 Invalid: 398 Minimum: 0 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 2 Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
0	No	50	26.2%
1	Yes	123	64.4%

2	Not observable	18	9.4%
Sysmiss		398	

## MET\_READ: Current meter reading

Data file: property\_owner\_end.dta

### Overview

Valid: 171 Invalid: 418 Minimum: 5 Maximum: 250  
 Type: Discrete Decimal: 0 Width: 3 Range: 5 - 250 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
5		46	26.9%
15		23	13.5%
25		9	5.3%
35		13	7.6%
45		14	8.2%
55		11	6.4%
65		8	4.7%
75		5	2.9%
85		4	2.3%
95		6	3.5%
150		17	9.9%
250		15	8.8%
Sysmiss		418	

**ACC\_NO\_M: Account number (masked)****Data file:** property\_owner\_outreach.dta**Overview**

Valid: 5373 Invalid:  
 Type: Continuous Width: 9 Range: - Format: character

**PLOT\_OWNER: Plot owner****Data file:** property\_owner\_outreach.dta**Overview**

Valid: 5373 Invalid: Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes, and the details are correct	5133	95.5%
2	Yes, but the plot details are incorrect	0	0%
3	No, I do not own a plot	240	4.5%

**PLOT\_OWNER\_REPRESENT: Representative for plot owner****Data file:** property\_owner\_outreach.dta**Overview**

Valid: 240 Invalid: 5133 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Refuse to answer	0	0%
-8	Don't Know	0	0%
0	No	0	0%
1	Yes	240	100%
Sysmiss		5133	

**PLOT\_OWNER\_RELATION: Relationship to plot owner**Data file: **property\_owner\_outreach.dta****Overview**

Valid: 240    Invalid: 5133    Minimum: 1    Maximum: 8  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 8    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Refuse to answer	0	0%
1	Parent	28	11.7%
2	Child	51	21.3%
3	Brother / Sister	37	15.4%
4	Other family member	61	25.4%
5	Friend	8	3.3%
6	Caretaker	27	11.3%
7	I don't know the plot owner	0	0%
8	Other	28	11.7%
Sysmiss		5133	

**PLOT\_OWNER\_POSITION: Support the plot owner in maintaining/managing/financing the plot**Data file: **property\_owner\_outreach.dta****Overview**

Valid: 240    Invalid: 5133    Minimum: 1    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Refuse to answer	0	0%
-8	Don't Know	0	0%
0	No	0	0%
1	Yes	240	100%
Sysmiss		5133	

**BASELINE\_KNOWN: Baseline landlord known**Data file: **property\_owner\_outreach.dta****Overview**

Valid: 288 Invalid: 5085 Minimum: 0 Maximum: 98  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 98 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Refuse to answer	0	0%
-8	Don't Know	0	0%
0	No	156	54.2%
1	Yes	92	31.9%
3		39	13.5%
98		1	0.3%
Sysmiss		5085	

**BASELINE\_RELATION: Relationship to baseline landlord**Data file: **property\_owner\_outreach.dta****Overview**

Valid: 90 Invalid: 5283 Minimum: 1 Maximum: 98  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 98 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Refuse to answer	0	0%
-8	Don't Know	0	0%
1	Parent	13	14.4%
2	Child	8	8.9%
3	Brother / Sister	14	15.6%
4	Spouse	15	16.7%
5	Other family member	6	6.7%
6	Friend	3	3.3%
7	Caretaker	15	16.7%
8	Former Plot Owner	6	6.7%
98	Other (Specify)	10	11.1%

Sysmiss		5283	
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## BASELINE\_POSITION: Baseline landlord supports in maintaining/managing/financing the plot

Data file: property\_owner\_outreach.dta

### Overview

Valid: 91 Invalid: 5282 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Refuse to answer	0	0%
-8	Don't Know	0	0%
0	No	16	17.6%
1	Yes	75	82.4%
Sysmiss		5282	

## N\_RESIDENTS: Residents in this plot

Data file: property\_owner\_outreach.dta

### Overview

Valid: 4904 Invalid: 469 Minimum: 0 Maximum: 800  
 Type: Continuous Decimal: 0 Width: 3 Range: 0 - 800 Format: Numeric

## NO\_RESIDENTS\_REASON: Reason no residents

Data file: property\_owner\_outreach.dta

### Overview

Valid: 338 Invalid: 5035 Minimum: 1 Maximum: 98  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 98 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Refuse to answer	0	0%
-8	Don't know	0	0%
1	Plot in construction / refurbishment	205	60.7%

2	Plot converted to building (e.g. school, church)	82	24.3%
98	Other (Specify)	51	15.1%
Sysmiss		5035	

## N\_TENANTS: Households that pay rent

Data file: property\_owner\_outreach.dta

### Overview

Valid: 4762 Invalid: 611 Minimum: 0 Maximum: 300  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 300 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		2129	44.7%
1		899	18.9%
2		264	5.5%
3		312	6.6%
4		263	5.5%
5		212	4.5%
6		184	3.9%
7		138	2.9%
8		106	2.2%
9		53	1.1%
10		84	1.8%
11		13	0.3%
12		19	0.4%
13		5	0.1%
14		17	0.4%
15		17	0.4%
16		3	0.1%
17		2	0%
18		2	0%
19		4	0.1%
20		11	0.2%
21		2	0%
22		1	0%
23		1	0%

25		4	0.1%
26		1	0%
28		2	0%
29		1	0%
30		5	0.1%
40		1	0%
42		1	0%
50		1	0%
77		1	0%
90		1	0%
121		1	0%
210		1	0%
300		1	0%
Sysmiss		611	

## WATER\_CONNECTION: Water connection from Nairobi Water

Data file: property\_owner\_outreach.dta

### Overview

Valid: 5334 Invalid: 39 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Refuse to answer	0	0%
-8	Don't Know	0	0%
0	No	67	1.3%
1	Yes	5267	98.7%
Sysmiss		39	

## SEWER\_CONNECTION: Sewer connection from Nairobi Water

Data file: property\_owner\_outreach.dta

### Overview

Valid: 5310 Invalid: 63 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Refuse to answer	0	0%
-8	Don't Know	0	0%
0	No	159	3%
1	Yes	5151	97%
Sysmiss		63	

### WATER\_RECEIVED: Received water in the last week

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 4546 Invalid: 827 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Refuse to answer	0	0%
-8	Don't Know	0	0%
0	No	2482	54.6%
1	Yes	2064	45.4%
Sysmiss		827	

### WATER\_RECEIVED\_WHICHDAY\_1: Days received water: Monday

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 2064 Invalid: 3309 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	1673	81.1%
1	Yes	391	18.9%

Sysmiss		3309	
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## WATER\_RECEIVED\_WHICHDAY\_2: Days received water: Tuesday

Data file: property\_owner\_outreach.dta

### Overview

Valid: 2064 Invalid: 3309 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	1692	82%
1	Yes	372	18%
Sysmiss		3309	

## WATER\_RECEIVED\_WHICHDAY\_3: Days received water: Wednesday

Data file: property\_owner\_outreach.dta

### Overview

Valid: 2064 Invalid: 3309 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	1703	82.5%
1	Yes	361	17.5%
Sysmiss		3309	

## WATER\_RECEIVED\_WHICHDAY\_4: Days received water: Thursday

Data file: property\_owner\_outreach.dta

### Overview

Valid: 2064 Invalid: 3309 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	1711	82.9%
1	Yes	353	17.1%
Sysmiss		3309	

### WATER\_RECEIVED\_WHICHDAY\_5: Days received water: Friday

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 2064 Invalid: 3309 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	1756	85.1%
1	Yes	308	14.9%
Sysmiss		3309	

### WATER\_RECEIVED\_WHICHDAY\_6: Days received water: Saturday

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 2064 Invalid: 3309 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	1276	61.8%
1	Yes	788	38.2%
Sysmiss		3309	

**WATER\_RECEIVED\_WHICHDAY\_7: Days received water: Sunday**

Data file: property\_owner\_outreach.dta

**Overview**

Valid: 2064 Invalid: 3309 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	1478	71.6%
1	Yes	586	28.4%
Sysmiss		3309	

**WATER\_RECEIVED\_WHICHDAY\_8: Days received water: Don't Know**

Data file: property\_owner\_outreach.dta

**Overview**

Valid: 2064 Invalid: 3309 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	1821	88.2%
1	Yes	243	11.8%
Sysmiss		3309	

**WATER\_RECEIVED\_WHICHDAY\_9: Days received water: Refuse to answer**

Data file: property\_owner\_outreach.dta

**Overview**

Valid: 2064 Invalid: 3309 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	2062	99.9%

1	Yes	2	0.1%
Sysmiss		3309	

## RESPONDENT\_RESIDENT: Resident of this plot

Data file: property\_owner\_outreach.dta

### Overview

Valid: 5352 Invalid: 21 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Refuse to answer	0	0%
-8	Don't Know	0	0%
0	No	1920	35.9%
1	Yes	3432	64.1%
Sysmiss		21	

## LANDLORD\_RESIDENT: Plot owner is a resident of this plot

Data file: property\_owner\_outreach.dta

### Overview

Valid: 239 Invalid: 5134 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Refuse to answer	0	0%
-8	Don't Know	0	0%
0	No	134	56.1%
1	Yes	105	43.9%
Sysmiss		5134	

## BILL\_PAYER: Who pays the water bills

Data file: property\_owner\_outreach.dta

## Overview

Valid: 5317 Invalid: 56 Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 7 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Refuse to answer	0	0%
-8	Don't Know	0	0%
1	Myself	4663	87.7%
2	Plot Owner	87	1.6%
3	Caretaker	120	2.3%
4	Family Member / Spouse	279	5.2%
5	Tenants	34	0.6%
6	Nobody	98	1.8%
7	Other	36	0.7%
Sysmiss		56	

## NEVER\_PAID\_REASON\_1: Never paid: Don't have money

Data file: property\_owner\_outreach.dta

## Overview

Valid: 2429 Invalid: 2944 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	2036	83.8%
1	Yes	393	16.2%
Sysmiss		2944	

## NEVER\_PAID\_REASON\_2: Never paid: Don't have time

Data file: property\_owner\_outreach.dta

## Overview

Valid: 2429 Invalid: 2944 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	2358	97.1%
1	Yes	71	2.9%
Sysmiss		2944	

### NEVER\_PAID\_REASON\_3: Never paid: Don't know how to make payment

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 2429 Invalid: 2944 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	2098	86.4%
1	Yes	331	13.6%
Sysmiss		2944	

### NEVER\_PAID\_REASON\_4: Never paid: Account is not set up yet

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 2429 Invalid: 2944 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	2355	97%
1	Yes	74	3%
Sysmiss		2944	

**NEVER\_PAID\_REASON\_5: Never paid: Meter is broken**

Data file: property\_owner\_outreach.dta

**Overview**

Valid: 2429 Invalid: 2944 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	2398	98.7%
1	Yes	31	1.3%
Sysmiss		2944	

**NEVER\_PAID\_REASON\_6: Never paid: Didn't receive water**

Data file: property\_owner\_outreach.dta

**Overview**

Valid: 2429 Invalid: 2944 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	1205	49.6%
1	Yes	1224	50.4%
Sysmiss		2944	

**NEVER\_PAID\_REASON\_7: Never paid: Payment system was not working**

Data file: property\_owner\_outreach.dta

**Overview**

Valid: 2429 Invalid: 2944 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	2418	99.5%

1	Yes	11	0.5%
Sysmiss		2944	

### NEVER\_PAID\_REASON\_8: Never paid: Didn't know that I need to pay

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 2429 Invalid: 2944 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	No	2249	92.6%
1	Yes	180	7.4%
Sysmiss		2944	

### NEVER\_PAID\_REASON\_9: Never paid: I'm not responsible for making the payments

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 2429 Invalid: 2944 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	No	2384	98.1%
1	Yes	45	1.9%
Sysmiss		2944	

### NEVER\_PAID\_REASON\_98: Never paid: Other

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 2429 Invalid: 2944 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	2213	91.1%
1	Yes	216	8.9%
Sysmiss		2944	

### NEVER\_PAID\_REASON\_\_8: Never paid: Don't Know

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 2429 Invalid: 2944 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	2355	97%
1	Yes	74	3%
Sysmiss		2944	

### NEVER\_PAID\_REASON\_\_9: Never paid: Refuse to answer

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 2429 Invalid: 2944 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	2412	99.3%
1	Yes	17	0.7%
Sysmiss		2944	

**BILL\_NO\_PAYMENT\_REASON\_1: Not paid in 2 months: Don't have money**

Data file: property\_owner\_outreach.dta

**Overview**

Valid: 1357 Invalid: 4016 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	952	70.2%
1	Yes	405	29.8%
Sysmiss		4016	

**BILL\_NO\_PAYMENT\_REASON\_2: Not paid in 2 months: Don't have time**

Data file: property\_owner\_outreach.dta

**Overview**

Valid: 1357 Invalid: 4016 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	1297	95.6%
1	Yes	60	4.4%
Sysmiss		4016	

**BILL\_NO\_PAYMENT\_REASON\_3: Not paid in 2 months: Don't know how to make payment**

Data file: property\_owner\_outreach.dta

**Overview**

Valid: 1357 Invalid: 4016 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	1270	93.6%

1	Yes	87	6.4%
Sysmiss		4016	

### BILL\_NO\_PAYMENT\_REASON\_4: Not paid in 2 months: Account is not set up yet

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 1357 Invalid: 4016 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	No	1347	99.3%
1	Yes	10	0.7%
Sysmiss		4016	

### BILL\_NO\_PAYMENT\_REASON\_5: Not paid in 2 months: Meter is broken

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 1357 Invalid: 4016 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	No	1347	99.3%
1	Yes	10	0.7%
Sysmiss		4016	

### BILL\_NO\_PAYMENT\_REASON\_6: Not paid in 2 months: Didn't receive water

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 1357 Invalid: 4016 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	790	58.2%
1	Yes	567	41.8%
Sysmiss		4016	

### **BILL\_NO\_PAYMENT\_REASON\_7: Not paid in 2 months: Payment system was not working**

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 1357 Invalid: 4016 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	1347	99.3%
1	Yes	10	0.7%
Sysmiss		4016	

### **BILL\_NO\_PAYMENT\_REASON\_8: Not paid in 2 months: Didn't know that I need to pay**

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 1357 Invalid: 4016 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	1300	95.8%
1	Yes	57	4.2%
Sysmiss		4016	

**BILL\_NO\_PAYMENT\_REASON\_9: Not paid in 2 months: I'm not responsible for making the payments**

Data file: property\_owner\_outreach.dta

**Overview**

Valid: 1357 Invalid: 4016 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	1331	98.1%
1	Yes	26	1.9%
Sysmiss		4016	

**BILL\_NO\_PAYMENT\_REASON\_98: Not paid in 2 months: Other**

Data file: property\_owner\_outreach.dta

**Overview**

Valid: 1357 Invalid: 4016 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	1181	87%
1	Yes	176	13%
Sysmiss		4016	

**BILL\_NO\_PAYMENT\_REASON\_\_8: Not paid in 2 months: Don't Know**

Data file: property\_owner\_outreach.dta

**Overview**

Valid: 1357 Invalid: 4016 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
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0	No	1325	97.6%
1	Yes	32	2.4%
Sysmiss		4016	

### BILL\_NO\_PAYMENT\_REASON\_9: Not paid in 2 months: Refuse to answer

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 1357 Invalid: 4016 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	No	1352	99.6%
1	Yes	5	0.4%
Sysmiss		4016	

### JISOMEI\_INTRO: Need help in how to verify your account information

Data file: property\_owner\_outreach.dta

#### Overview

Valid: 5324 Invalid: 49 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Refuse to answer	0	0%
-8	Don't Know	0	0%
0	No	759	14.3%
1	Yes	4565	85.7%
Sysmiss		49	

### READ\_METER\_YN: Know how to read meter

Data file: property\_owner\_outreach.dta

**Overview**

Valid: 5299 Invalid: 74 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Refuse to answer	0	0%
-8	Don't Know	0	0%
0	No	2695	50.9%
1	Yes	2604	49.1%
Sysmiss		74	

**BALANCE\_YN: Know how to check balance**

Data file: property\_owner\_outreach.dta

**Overview**

Valid: 5302 Invalid: 71 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Refuse to answer	0	0%
-8	Don't Know	0	0%
0	No	3800	71.7%
1	Yes	1502	28.3%
Sysmiss		71	

**PAY\_BILL\_YN: Know how to pay bill**

Data file: property\_owner\_outreach.dta

**Overview**

Valid: 5305 Invalid: 68 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Refuse to answer	0	0%
-8	Don't Know	0	0%
0	No	3030	57.1%
1	Yes	2275	42.9%
Sysmiss		68	

## TENANTS: Tenants

Data file: property\_owner\_outreach.dta

### Overview

Valid: 5373 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		2740	51%
1		2633	49%

**CMPD\_ID: Compound ID****Data file:** tenant\_bl.dta**Overview**

Valid: 4430 Invalid: Minimum: 10001 Maximum: 90321  
 Type: Continuous Decimal: 0 Width: 5 Range: 10001 - 90321 Format: Numeric

**DWELLINGS: Dwellings in compound****Data file:** tenant\_bl.dta**Overview**

Valid: 4430 Invalid: Minimum: 0 Maximum: 66  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 66 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		6	0.1%
1		126	2.8%
2		96	2.2%
3		102	2.3%
4		144	3.3%
5		175	4%
6		275	6.2%
7		393	8.9%
8		478	10.8%
9		539	12.2%
10		467	10.5%
11		547	12.3%
12		284	6.4%
13		232	5.2%
14		91	2.1%
15		84	1.9%
16		67	1.5%
17		37	0.8%
18		35	0.8%
19		9	0.2%
20		52	1.2%
21		28	0.6%
22		21	0.5%

23		10	0.2%
24		13	0.3%
25		10	0.2%
26		6	0.1%
27		3	0.1%
28		26	0.6%
29		3	0.1%
30		7	0.2%
32		9	0.2%
33		6	0.1%
34		5	0.1%
35		7	0.2%
36		3	0.1%
39		6	0.1%
40		3	0.1%
41		1	0%
44		2	0%
45		6	0.1%
50		1	0%
54		3	0.1%
55		3	0.1%
57		3	0.1%
62		3	0.1%
66		3	0.1%

## SURVEY: Survey type

Data file: tenant\_bl.dta

### Overview

Valid: 4430 Invalid: Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Tenant_1	1840	41.5%
2	Tenant_2	1511	34.1%
3	Tenant_3	827	18.7%

4	Landlord	252	5.7%
---	----------	-----	------

## LANDLORD\_RESIDE: Landlord resides in compound

Data file: tenant\_bl.dta

### Overview

Valid: 3771 Invalid: 659 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	2257	59.9%
1	Yes	1514	40.1%
Sysmiss		659	

## RELATION\_LANDLORD: Relationship with landlord

Data file: tenant\_bl.dta

### Overview

Valid: Invalid: 4430 Maximum: \*  
 Type: Discrete Decimal: 0 Width: 1 Range: - \* Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category
1	Family
2	Friends
3	New owners, \${landlord_name} is old owner
4	Never heard of \${landlord_name}
5	other
Sysmiss	

## TOT\_MEM: Household size

Data file: tenant\_bl.dta

**Overview**

Valid: 4178 Invalid: 252 Minimum: 1 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 10 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		639	15.3%
2		769	18.4%
3		1068	25.6%
4		915	21.9%
5		468	11.2%
6		199	4.8%
7		67	1.6%
8		40	1%
9		10	0.2%
10		3	0.1%
Sysmiss		252	

**HH\_MEMBERS\_COUNT: Household members**

Data file: tenant\_bl.dta

**Overview**

Valid: 4143 Invalid: 287 Minimum: 1 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 10 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		631	15.2%
2		759	18.3%
3		1058	25.5%
4		909	21.9%
5		467	11.3%
6		199	4.8%
7		67	1.6%
8		40	1%
9		10	0.2%

10		3	0.1%
Sysmiss		287	

## RELATION1: Relationship to household head

Data file: tenant\_bl.dta

### Overview

Valid: 4178 Invalid: 252 Minimum: 0 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 10 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	Not related	24	0.6%
1	Head him/herself	3255	77.9%
2	Wife or husband	786	18.8%
3	Son or daughter	50	1.2%
4	Son-in-law or daughter-in-law	1	0%
5	Grandchild	0	0%
6	Parent	4	0.1%
7	Parent-in-law	0	0%
8	Brother or sister	38	0.9%
9	Other relative	19	0.5%
10	Adopted/foster/stepchild	1	0%
Sysmiss		252	

## MEM\_GEND1: Gender

Data file: tenant\_bl.dta

### Overview

Valid: 4178 Invalid: 252 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Male	2661	63.7%

2	Female	1517	36.3%
Sysmiss		252	

## SCHOOL1: Currently attending school

Data file: tenant\_bl.dta

### Overview

Valid: 4178 Invalid: 252 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	4073	97.5%
1	Yes	105	2.5%
Sysmiss		252	

## HHM\_EDUC1: Highest level of education completed

Data file: tenant\_bl.dta

### Overview

Valid: 4135 Invalid: 295 Minimum: 1 Maximum: 19  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 19 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	No education	0	0%
0	Pre-Primary	0	0%
1	Class 1	10	0.2%
2	Class 2	9	0.2%
3	Class 3	23	0.6%
4	Class 4	34	0.8%
5	Class 5	51	1.2%
6	Class 6	105	2.5%
7	Class 7	239	5.8%
8	Class 8	1118	27%

9	Form 1	156	3.8%
10	Form 2	315	7.6%
11	Form 3	192	4.6%
12	Form 4	1427	34.5%
13	University 1	13	0.3%
14	University 2	19	0.5%
15	University 3	12	0.3%
16	University 4	39	0.9%
17	Post-university	2	0%
18	Vocational	335	8.1%
19	Other	36	0.9%
Sysmiss		295	

## RELATION2: Relationship to household head

Data file: tenant\_bl.dta

### Overview

Valid: 3537 Invalid: 893 Minimum: 0 Maximum: 9  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 9 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	Not related	34	1%
1	Head him/herself	664	18.8%
2	Wife or husband	1966	55.6%
3	Son or daughter	632	17.9%
4	Son-in-law or daughter-in-law	0	0%
5	Grandchild	9	0.3%
6	Parent	1	0%
7	Parent-in-law	0	0%
8	Brother or sister	146	4.1%
9	Other relative	85	2.4%
10	Adopted/foster/stepchild	0	0%
Sysmiss		893	

**MEM\_GEND2: Gender****Data file:** tenant\_bl.dta**Overview**

Valid: 3539   Invalid: 891   Minimum: 1   Maximum: 2  
 Type: Discrete   Decimal: 0   Width: 1   Range: 1 - 2   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Male	1115	31.5%
2	Female	2424	68.5%
Sysmiss		891	

**SCHOOL2: Currently attending school****Data file:** tenant\_bl.dta**Overview**

Valid: 3539   Invalid: 891   Minimum: 0   Maximum: 1  
 Type: Discrete   Decimal: 0   Width: 3   Range: 0 - 1   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	3057	86.4%
1	Yes	482	13.6%
Sysmiss		891	

**HHM\_EDUC2: Highest level of education completed****Data file:** tenant\_bl.dta**Overview**

Valid: 3342   Invalid: 1088   Minimum: 0   Maximum: 19  
 Type: Discrete   Decimal: 0   Width: 3   Range: 0 - 19   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
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-99	No education	0	0%
0	Pre-Primary	40	1.2%
1	Class 1	36	1.1%
2	Class 2	39	1.2%
3	Class 3	46	1.4%
4	Class 4	40	1.2%
5	Class 5	65	1.9%
6	Class 6	98	2.9%
7	Class 7	168	5%
8	Class 8	956	28.6%
9	Form 1	131	3.9%
10	Form 2	244	7.3%
11	Form 3	159	4.8%
12	Form 4	1025	30.7%
13	University 1	12	0.4%
14	University 2	14	0.4%
15	University 3	6	0.2%
16	University 4	21	0.6%
17	Post-university	6	0.2%
18	Vocational	218	6.5%
19	Other	18	0.5%
Sysmiss		1088	

### RELATION3: Relationship to household head

Data file: tenant\_bl.dta

#### Overview

Valid: 2770 Invalid: 1660 Minimum: 0 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 10 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	Not related	16	0.6%
1	Head him/herself	113	4.1%
2	Wife or husband	27	1%
3	Son or daughter	2408	86.9%

4	Son-in-law or daughter-in-law	1	0%
5	Grandchild	24	0.9%
6	Parent	6	0.2%
7	Parent-in-law	0	0%
8	Brother or sister	73	2.6%
9	Other relative	101	3.6%
10	Adopted/foster/stepchild	1	0%
Sysmiss		1660	

### MEM\_GEND3: Gender

Data file: tenant\_bl.dta

#### Overview

Valid: 2770 Invalid: 1660 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Male	1385	50%
2	Female	1385	50%
Sysmiss		1660	

### SCHOOL3: Currently attending school

Data file: tenant\_bl.dta

#### Overview

Valid: 2770 Invalid: 1660 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	1156	41.7%
1	Yes	1614	58.3%
Sysmiss		1660	

**HHM\_EDUC3: Highest level of education completed**

Data file: tenant\_bl.dta

**Overview**

Valid: 1751 Invalid: 2679 Minimum: 0 Maximum: 19  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 19 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	No education	0	0%
0	Pre-Primary	287	16.4%
1	Class 1	127	7.3%
2	Class 2	133	7.6%
3	Class 3	125	7.1%
4	Class 4	126	7.2%
5	Class 5	106	6.1%
6	Class 6	96	5.5%
7	Class 7	85	4.9%
8	Class 8	156	8.9%
9	Form 1	70	4%
10	Form 2	70	4%
11	Form 3	60	3.4%
12	Form 4	193	11%
13	University 1	6	0.3%
14	University 2	2	0.1%
15	University 3	1	0.1%
16	University 4	2	0.1%
17	Post-university	0	0%
18	Vocational	54	3.1%
19	Other	52	3%
Sysmiss		2679	

**RELATION4: Relationship to household head**

Data file: tenant\_bl.dta

**Overview**

Valid: 1702 Invalid: 2728 Minimum: 0 Maximum: 10

Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 10    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	Not related	5	0.3%
1	Head him/herself	71	4.2%
2	Wife or husband	13	0.8%
3	Son or daughter	1505	88.4%
4	Son-in-law or daughter-in-law	6	0.4%
5	Grandchild	23	1.4%
6	Parent	4	0.2%
7	Parent-in-law	0	0%
8	Brother or sister	26	1.5%
9	Other relative	47	2.8%
10	Adopted/foster/stepchild	2	0.1%
Sysmiss		2728	

**MEM\_GEND4: Gender**

Data file: tenant\_bl.dta

**Overview**Valid: 1703    Invalid: 2727    Minimum: 1    Maximum: 2  
Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 2    Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Male	878	51.6%
2	Female	825	48.4%
Sysmiss		2727	

**SCHOOL4: Currently attending school**

Data file: tenant\_bl.dta

**Overview**

Valid: 1703    Invalid: 2727    Minimum: 0    Maximum: 1

Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	682	40%
1	Yes	1021	60%
Sysmiss		2727	

**HHM\_EDUC4: Highest level of education completed**

Data file: tenant\_bl.dta

**Overview**Valid: 972    Invalid: 3458    Minimum: 0    Maximum: 19  
Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 19    Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	No education	0	0%
0	Pre-Primary	200	20.6%
1	Class 1	89	9.2%
2	Class 2	76	7.8%
3	Class 3	73	7.5%
4	Class 4	51	5.2%
5	Class 5	53	5.5%
6	Class 6	65	6.7%
7	Class 7	50	5.1%
8	Class 8	85	8.7%
9	Form 1	33	3.4%
10	Form 2	33	3.4%
11	Form 3	23	2.4%
12	Form 4	75	7.7%
13	University 1	3	0.3%
14	University 2	1	0.1%
15	University 3	0	0%
16	University 4	1	0.1%

17	Post-university	1	0.1%
18	Vocational	18	1.9%
19	Other	42	4.3%
Sysmiss		3458	

## RELATION5: Relationship to household head

Data file: tenant\_bl.dta

### Overview

Valid: 787 Invalid: 3643 Minimum: 0 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 10 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	Not related	2	0.3%
1	Head him/herself	37	4.7%
2	Wife or husband	8	1%
3	Son or daughter	684	86.9%
4	Son-in-law or daughter-in-law	1	0.1%
5	Grandchild	14	1.8%
6	Parent	3	0.4%
7	Parent-in-law	0	0%
8	Brother or sister	7	0.9%
9	Other relative	29	3.7%
10	Adopted/foster/stepchild	2	0.3%
Sysmiss		3643	

## MEM\_GEND5: Gender

Data file: tenant\_bl.dta

### Overview

Valid: 787 Invalid: 3643 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Male	410	52.1%
2	Female	377	47.9%
Sysmiss		3643	

## SCHOOL5: Currently attending school

Data file: tenant\_bl.dta

### Overview

Valid: 787 Invalid: 3643 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	342	43.5%
1	Yes	445	56.5%
Sysmiss		3643	

## HHM\_EDUC5: Highest level of education completed

Data file: tenant\_bl.dta

### Overview

Valid: 449 Invalid: 3981 Minimum: 0 Maximum: 19  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 19 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	No education	0	0%
0	Pre-Primary	80	17.8%
1	Class 1	39	8.7%
2	Class 2	42	9.4%
3	Class 3	45	10%
4	Class 4	34	7.6%
5	Class 5	35	7.8%
6	Class 6	26	5.8%

7	Class 7	20	4.5%
8	Class 8	27	6%
9	Form 1	11	2.4%
10	Form 2	10	2.2%
11	Form 3	5	1.1%
12	Form 4	41	9.1%
13	University 1	2	0.4%
14	University 2	2	0.4%
15	University 3	0	0%
16	University 4	0	0%
17	Post-university	2	0.4%
18	Vocational	6	1.3%
19	Other	22	4.9%
Sysmiss		3981	

## RELATION6: Relationship to household head

Data file: tenant\_bl.dta

### Overview

Valid: 320 Invalid: 4110 Minimum: 0 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 10 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	Not related	2	0.6%
1	Head him/herself	10	3.1%
2	Wife or husband	4	1.3%
3	Son or daughter	252	78.8%
4	Son-in-law or daughter-in-law	4	1.3%
5	Grandchild	14	4.4%
6	Parent	1	0.3%
7	Parent-in-law	0	0%
8	Brother or sister	4	1.3%
9	Other relative	27	8.4%
10	Adopted/foster/stepchild	2	0.6%
Sysmiss		4110	

**MEM\_GEND6: Gender**

Data file: tenant\_bl.dta

**Overview**

Valid: 320 Invalid: 4110 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Male	172	53.8%
2	Female	148	46.3%
Sysmiss		4110	

**SCHOOL6: Currently attending school**

Data file: tenant\_bl.dta

**Overview**

Valid: 320 Invalid: 4110 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	120	37.5%
1	Yes	200	62.5%
Sysmiss		4110	

**HHM\_EDUC6: Highest level of education completed**

Data file: tenant\_bl.dta

**Overview**

Valid: 189 Invalid: 4241 Minimum: 0 Maximum: 19  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 19 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-99	No education	0	0%
0	Pre-Primary	44	23.3%
1	Class 1	17	9%
2	Class 2	16	8.5%
3	Class 3	13	6.9%
4	Class 4	22	11.6%
5	Class 5	12	6.3%
6	Class 6	5	2.6%
7	Class 7	6	3.2%
8	Class 8	16	8.5%
9	Form 1	5	2.6%
10	Form 2	3	1.6%
11	Form 3	3	1.6%
12	Form 4	11	5.8%
13	University 1	0	0%
14	University 2	0	0%
15	University 3	0	0%
16	University 4	1	0.5%
17	Post-university	0	0%
18	Vocational	7	3.7%
19	Other	8	4.2%
Sysmiss		4241	

## RELATION7: Relationship to household head

Data file: tenant\_bl.dta

### Overview

Valid: 120 Invalid: 4310 Minimum: 1 Maximum: 9  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 9 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%

0	Not related	0	0%
1	Head him/herself	7	5.8%
2	Wife or husband	2	1.7%
3	Son or daughter	81	67.5%
4	Son-in-law or daughter-in-law	0	0%
5	Grandchild	13	10.8%
6	Parent	0	0%
7	Parent-in-law	0	0%
8	Brother or sister	5	4.2%
9	Other relative	12	10%
10	Adopted/foster/stepchild	0	0%
Sysmiss		4310	

## MEM\_GEND7: Gender

Data file: tenant\_bl.dta

### Overview

Valid: 120 Invalid: 4310 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Male	72	60%
2	Female	48	40%
Sysmiss		4310	

## SCHOOL7: Currently attending school

Data file: tenant\_bl.dta

### Overview

Valid: 120 Invalid: 4310 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%

0	No	55	45.8%
1	Yes	65	54.2%
Sysmiss		4310	

## HHM\_EDUC7: Highest level of education completed

Data file: tenant\_bl.dta

### Overview

Valid: 68 Invalid: 4362 Minimum: 0 Maximum: 19  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 19 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	No education	0	0%
0	Pre-Primary	11	16.2%
1	Class 1	8	11.8%
2	Class 2	6	8.8%
3	Class 3	6	8.8%
4	Class 4	2	2.9%
5	Class 5	5	7.4%
6	Class 6	4	5.9%
7	Class 7	4	5.9%
8	Class 8	6	8.8%
9	Form 1	2	2.9%
10	Form 2	4	5.9%
11	Form 3	1	1.5%
12	Form 4	6	8.8%
13	University 1	0	0%
14	University 2	0	0%
15	University 3	0	0%
16	University 4	0	0%
17	Post-university	0	0%
18	Vocational	2	2.9%
19	Other	1	1.5%
Sysmiss		4362	

**RELATION8: Relationship to household head****Data file:** tenant\_bl.dta**Overview**

Valid: 54 Invalid: 4376 Minimum: 0 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 10 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	Not related	1	1.9%
1	Head him/herself	5	9.3%
2	Wife or husband	1	1.9%
3	Son or daughter	37	68.5%
4	Son-in-law or daughter-in-law	1	1.9%
5	Grandchild	3	5.6%
6	Parent	0	0%
7	Parent-in-law	0	0%
8	Brother or sister	1	1.9%
9	Other relative	4	7.4%
10	Adopted/foster/stepchild	1	1.9%
Sysmiss		4376	

**MEM\_GEND8: Gender****Data file:** tenant\_bl.dta**Overview**

Valid: 54 Invalid: 4376 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Male	26	48.1%
2	Female	28	51.9%
Sysmiss		4376	

**SCHOOL8: Currently attending school**

Data file: tenant\_bl.dta

**Overview**

Valid: 54 Invalid: 4376 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	28	51.9%
1	Yes	26	48.1%
Sysmiss		4376	

**HHM\_EDUC8: Highest level of education completed**

Data file: tenant\_bl.dta

**Overview**

Valid: 26 Invalid: 4404 Minimum: 0 Maximum: 18  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 18 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	No education	0	0%
0	Pre-Primary	4	15.4%
1	Class 1	2	7.7%
2	Class 2	4	15.4%
3	Class 3	2	7.7%
4	Class 4	0	0%
5	Class 5	3	11.5%
6	Class 6	1	3.8%
7	Class 7	1	3.8%
8	Class 8	3	11.5%
9	Form 1	0	0%
10	Form 2	1	3.8%
11	Form 3	1	3.8%
12	Form 4	3	11.5%

13	University 1	0	0%
14	University 2	0	0%
15	University 3	0	0%
16	University 4	0	0%
17	Post-university	0	0%
18	Vocational	1	3.8%
19	Other	0	0%
Sysmiss		4404	

## RELATION9: Relationship to household head

Data file: tenant\_bl.dta

### Overview

Valid: 13 Invalid: 4417 Minimum: 2 Maximum: 9  
 Type: Discrete Decimal: 0 Width: 3 Range: 2 - 9 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	Not related	0	0%
1	Head him/herself	0	0%
2	Wife or husband	1	7.7%
3	Son or daughter	6	46.2%
4	Son-in-law or daughter-in-law	0	0%
5	Grandchild	3	23.1%
6	Parent	0	0%
7	Parent-in-law	1	7.7%
8	Brother or sister	1	7.7%
9	Other relative	1	7.7%
10	Adopted/foster/stepchild	0	0%
Sysmiss		4417	

## MEM\_GEND9: Gender

Data file: tenant\_bl.dta

### Overview

Valid: 13 Invalid: 4417 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Male	7	53.8%
2	Female	6	46.2%
Sysmiss		4417	

## SCHOOL9: Currently attending school

Data file: tenant\_bl.dta

### Overview

Valid: 13 Invalid: 4417 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	8	61.5%
1	Yes	5	38.5%
Sysmiss		4417	

## HHM\_EDUC9: Highest level of education completed

Data file: tenant\_bl.dta

### Overview

Valid: 7 Invalid: 4423 Minimum: 0 Maximum: 12  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 12 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-99	No education	0	0%
0	Pre-Primary	1	14.3%
1	Class 1	1	14.3%
2	Class 2	1	14.3%
3	Class 3	1	14.3%

4	Class 4	1	14.3%
5	Class 5	0	0%
6	Class 6	1	14.3%
7	Class 7	0	0%
8	Class 8	0	0%
9	Form 1	0	0%
10	Form 2	0	0%
11	Form 3	0	0%
12	Form 4	1	14.3%
13	University 1	0	0%
14	University 2	0	0%
15	University 3	0	0%
16	University 4	0	0%
17	Post-university	0	0%
18	Vocational	0	0%
19	Other	0	0%
Sysmiss		4423	

## RELATION10: Relationship to household head

Data file: tenant\_bl.dta

### Overview

Valid: 3    Invalid: 4427    Minimum: 3    Maximum: 9  
 Type: Discrete    Decimal: 0    Width: 3    Range: 3 - 9    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	Not related	0	0%
1	Head him/herself	0	0%
2	Wife or husband	0	0%
3	Son or daughter	1	33.3%
4	Son-in-law or daughter-in-law	0	0%
5	Grandchild	1	33.3%
6	Parent	0	0%
7	Parent-in-law	0	0%
8	Brother or sister	0	0%

9	Other relative	1	33.3%
10	Adopted/foster/stepchild	0	0%
Sysmiss		4427	

## MEM\_GEND10: Gender

Data file: tenant\_bl.dta

### Overview

Valid: 3 Invalid: 4427 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Male	1	33.3%
2	Female	2	66.7%
Sysmiss		4427	

## SCHOOL10: Currently attending school

Data file: tenant\_bl.dta

### Overview

Valid: 3 Invalid: 4427 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	2	66.7%
1	Yes	1	33.3%
Sysmiss		4427	

## HHM\_EDUC10: Highest level of education completed

Data file: tenant\_bl.dta

### Overview

Valid: 1 Invalid: 4429 Minimum: 0

Type: Discrete    Decimal: 0    Width: 3    Range: 0 -    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	No education	0	0%
0	Pre-Primary	1	100%
1	Class 1	0	0%
2	Class 2	0	0%
3	Class 3	0	0%
4	Class 4	0	0%
5	Class 5	0	0%
6	Class 6	0	0%
7	Class 7	0	0%
8	Class 8	0	0%
9	Form 1	0	0%
10	Form 2	0	0%
11	Form 3	0	0%
12	Form 4	0	0%
13	University 1	0	0%
14	University 2	0	0%
15	University 3	0	0%
16	University 4	0	0%
17	Post-university	0	0%
18	Vocational	0	0%
19	Other	0	0%
Sysmiss		4429	

**TOT\_DWELL: Dwellings in compound**

Data file: tenant\_bl.dta

**Overview**Valid: 4428    Invalid: 2    Minimum: 0    Maximum: 66  
Type: Discrete    Decimal: 0    Width: 2    Range: 0 - 66    Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
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0		7	0.2%
1		135	3%
2		98	2.2%
3		109	2.5%
4		146	3.3%
5		168	3.8%
6		274	6.2%
7		393	8.9%
8		474	10.7%
9		539	12.2%
10		472	10.7%
11		535	12.1%
12		289	6.5%
13		228	5.1%
14		91	2.1%
15		83	1.9%
16		63	1.4%
17		36	0.8%
18		37	0.8%
19		10	0.2%
20		52	1.2%
21		26	0.6%
22		21	0.5%
23		13	0.3%
24		11	0.2%
25		10	0.2%
26		7	0.2%
27		4	0.1%
28		25	0.6%
29		2	0%
30		6	0.1%
32		9	0.2%
33		6	0.1%
34		5	0.1%
35		8	0.2%
36		2	0%
39		6	0.1%
40		3	0.1%
41		1	0%

44		2	0%
45		6	0.1%
50		1	0%
54		3	0.1%
55		3	0.1%
57		3	0.1%
62		3	0.1%
66		3	0.1%
Sysmiss		2	

## DWELL: Dwellings occupied in this compound

Data file: tenant\_bl.dta

### Overview

Valid: 4178 Invalid: 252 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 5 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		3831	91.7%
2		309	7.4%
3		31	0.7%
4		5	0.1%
5		2	0%
Sysmiss		252	

## DWELL\_USE: Dwelling use

Data file: tenant\_bl.dta

### Overview

Valid: 4178 Invalid: 252 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Residential	3854	92.2%

2	Business	142	3.4%
3	Both residential and business	182	4.4%
Sysmiss		252	

## DWELL\_NUM\_COUNT: Dwellings occupied by household

Data file: tenant\_bl.dta

### Overview

Valid: 4143 Invalid: 287 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 5 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		3798	91.7%
2		307	7.4%
3		31	0.7%
4		5	0.1%
5		2	0%
Sysmiss		287	

## ROOMS: Rooms in main dwelling

Data file: tenant\_bl.dta

### Overview

Valid: 4178 Invalid: 252 Minimum: 0 Maximum: 9  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		1	0%
1		3990	95.5%
2		172	4.1%
3		12	0.3%
4		1	0%
7		1	0%
9		1	0%

Sysmiss		252	
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## WINDOWS: Windows in main dwelling

Data file: tenant\_bl.dta

### Overview

Valid: 4178 Invalid: 252 Minimum: 0 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 5 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		190	4.5%
1		3756	89.9%
2		211	5.1%
3		14	0.3%
4		5	0.1%
5		2	0%
Sysmiss		252	

## STREET: Dwelling has a window or entrance directly to the street

Data file: tenant\_bl.dta

### Overview

Valid: 4178 Invalid: 252 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	3163	75.7%
1	Yes	1015	24.3%
Sysmiss		252	

## PAY\_DEP: Deposit was paid

Data file: tenant\_bl.dta

**Overview**

Valid: 3958 Invalid: 472 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	2099	53%
1	Yes	1859	47%
Sysmiss		472	

**DEP\_AMNT: Deposit amount (KES)**

Data file: tenant\_bl.dta

**Overview**

Valid: 1841 Invalid: 2589 Minimum: 0 Maximum: 20000  
 Type: Continuous Decimal: 0 Width: 5 Range: 0 - 20000 Format: Numeric

**RENT\_AMNT: Monthly rent amount (KES)**

Data file: tenant\_bl.dta

**Overview**

Valid: 4154 Invalid: 276 Minimum: 0 Maximum: 60000  
 Type: Continuous Decimal: 0 Width: 5 Range: 0 - 60000 Format: Numeric

**PIPE\_WATER: Household has piped water**

Data file: tenant\_bl.dta

**Overview**

Valid: 4430 Invalid: Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	3341	75.4%
2	Yes, but not working	296	6.7%
3	No	793	17.9%

**WAT\_IN\_RENT: Rent includes water bill**

Data file: tenant\_bl.dta

**Overview**

Valid: 3164 Invalid: 1266 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Including with unlimited water usage	2516	79.5%
2	Including with limited water usage - incur additional charge after certain amount	428	13.5%
3	Not including water bill	220	7%
Sysmiss		1266	

**WAT\_BILL: Average water bill per month**

Data file: tenant\_bl.dta

**Overview**

Valid: 709 Invalid: 3721 Minimum: 0 Maximum: 6000  
 Type: Continuous Decimal: 0 Width: 4 Range: 0 - 6000 Format: Numeric

**ELEC\_CMPD: Compound has electricity**

Data file: tenant\_bl.dta

**Overview**

Valid: 4178 Invalid: 252 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	422	10.1%
1	Yes	3756	89.9%
Sysmiss		252	

**ELEC\_IN\_DWEL: Dwelling has electricity**

Data file: tenant\_bl.dta

**Overview**

Valid: 4178 Invalid: 252 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	529	12.7%
1	Yes	3649	87.3%
Sysmiss		252	

**PREP\_MET: Dwelling has its own pre-paid meter**

Data file: tenant\_bl.dta

**Overview**

Valid: 3649 Invalid: 781 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	1373	37.6%
1	Yes	2276	62.4%
Sysmiss		781	

**ELEC\_IN\_RENT: Rent includes electricity bill**

Data file: tenant\_bl.dta

**Overview**

Valid: 1373 Invalid: 3057 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	429	31.2%
1	Yes	944	68.8%
Sysmiss		3057	

### ELEC\_BILL: Average electrical bill per month

Data file: tenant\_bl.dta

#### Overview

Valid: 2604 Invalid: 1826 Minimum: 0 Maximum: 7000  
 Type: Continuous Decimal: 0 Width: 4 Range: 0 - 7000 Format: Numeric

### RENT\_COLL: Who collects rent

Data file: tenant\_bl.dta

#### Overview

Valid: 4178 Invalid: 252 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Landlord	2844	68.1%
2	Estate agent	226	5.4%
3	Caretaker	1108	26.5%
Sysmiss		252	

### OWNER: Landlord is owner of compound

Data file: tenant\_bl.dta

#### Overview

Valid: 3278 Invalid: 1152 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
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-99	Don't know	0	0%
0	No	281	8.6%
1	Yes	2997	91.4%
Sysmiss		1152	

## HHH\_LANDL: Relationship to owner

Data file: tenant\_bl.dta

### Overview

Valid: 4174 Invalid: 256 Minimum: 0 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 10 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	Not related	3960	94.9%
1	Head him/herself	6	0.1%
2	Wife or husband	1	0%
3	Son or daughter	38	0.9%
4	Son-in-law or daughter-in-law	11	0.3%
5	Grandchild	14	0.3%
6	Parent	14	0.3%
7	Parent-in-law	18	0.4%
8	Brother or sister	28	0.7%
9	Other relative	83	2%
10	Adopted/foster/stepchild	1	0%
Sysmiss		256	

## TENANCY: Type of tenancy agreement

Data file: tenant\_bl.dta

### Overview

Valid: 3920 Invalid: 510 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
1	Written agreement	299	7.6%
2	Verbal agreement	2686	68.5%
3	No agreement	931	23.8%
4	Other	4	0.1%
Sysmiss		510	

## TENA\_TERMS: Terms of rental agreement

Data file: tenant\_bl.dta

### Overview

Valid: 2985 Invalid: 1445 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Month to month	2971	99.5%
2	Year to year	1	0%
3	Other	13	0.4%
Sysmiss		1445	

## RENT\_RAISE: Landlord can raise rent

Data file: tenant\_bl.dta

### Overview

Valid: 2043 Invalid: 2387 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	1167	57.1%
1	Yes	876	42.9%
Sysmiss		2387	

**RAISE\_FREQ: How often landlord can raise rent**

Data file: tenant\_bl.dta

**Overview**

Valid: 726 Invalid: 3704 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-89	Don't know	0	0%
1	Anytime	485	66.8%
2	Monthly	120	16.5%
3	Yearly	97	13.4%
4	Other	24	3.3%
Sysmiss		3704	

**RAISE\_YRS: When the landlord last raised the rent: Years**

Data file: tenant\_bl.dta

**Overview**

Valid: 1303 Invalid: 3127 Minimum: 0 Maximum: 18  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 18 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		457	35.1%
1		432	33.2%
2		204	15.7%
3		93	7.1%
4		34	2.6%
5		33	2.5%
6		20	1.5%
7		10	0.8%
8		7	0.5%
9		2	0.2%

10		8	0.6%
11		1	0.1%
14		1	0.1%
18		1	0.1%
Sysmiss		3127	

## RAISE\_MTHS: When the landlord last raised the rent: Months

Data file: tenant\_bl.dta

### Overview

Valid: 457 Invalid: 3973 Minimum: 0 Maximum: 11  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 11 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		12	2.6%
1		133	29.1%
2		61	13.3%
3		60	13.1%
4		30	6.6%
5		30	6.6%
6		57	12.5%
7		38	8.3%
8		18	3.9%
9		5	1.1%
10		6	1.3%
11		7	1.5%
Sysmiss		3973	

## LIV\_CMPD\_YRS: Years living in compound

Data file: tenant\_bl.dta

### Overview

Valid: 2826 Invalid: 1604 Minimum: 1 Maximum: 40  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 40 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		649	23%
2		554	19.6%
3		452	16%
4		282	10%
5		235	8.3%
6		129	4.6%
7		106	3.8%
8		95	3.4%
9		51	1.8%
10		103	3.6%
11		18	0.6%
12		21	0.7%
13		18	0.6%
14		16	0.6%
15		22	0.8%
16		6	0.2%
17		8	0.3%
18		11	0.4%
19		5	0.2%
20		22	0.8%
21		1	0%
22		8	0.3%
23		2	0.1%
24		2	0.1%
25		3	0.1%
26		2	0.1%
27		2	0.1%
29		1	0%
30		1	0%
40		1	0%
Sysmiss		1604	

**LIV\_CMPD\_MTHS: Months living in compound (if less than 1 year)**

Data file: tenant\_bl.dta

**Overview**

Valid: 1350 Invalid: 3080 Minimum: 0 Maximum: 11  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 11 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		3	0.2%
1		181	13.4%
2		203	15%
3		245	18.1%
4		171	12.7%
5		117	8.7%
6		139	10.3%
7		89	6.6%
8		95	7%
9		49	3.6%
10		32	2.4%
11		26	1.9%
Sysmiss		3080	

**OTHER\_HHS: Other households living in this compound**

Data file: tenant\_bl.dta

**Overview**

Valid: 4178 Invalid: 252 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	69	1.7%
1	Yes	4109	98.3%
Sysmiss		252	

**KNOW\_PPPE: Number of people you know in this compound**

Data file: tenant\_bl.dta

**Overview**

Valid: 4101    Invalid: 329    Minimum: 0    Maximum: 100  
 Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 100    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		25	0.6%
1		161	3.9%
2		275	6.7%
3		440	10.7%
4		374	9.1%
5		472	11.5%
6		340	8.3%
7		263	6.4%
8		276	6.7%
9		148	3.6%
10		396	9.7%
11		115	2.8%
12		121	3%
13		74	1.8%
14		53	1.3%
15		135	3.3%
16		51	1.2%
17		27	0.7%
18		43	1%
19		24	0.6%
20		101	2.5%
21		22	0.5%
22		24	0.6%
23		10	0.2%
24		15	0.4%
25		29	0.7%
26		8	0.2%
27		9	0.2%
28		5	0.1%
29		3	0.1%

30		21	0.5%
31		5	0.1%
32		5	0.1%
33		6	0.1%
34		1	0%
35		4	0.1%
36		2	0%
38		1	0%
39		1	0%
40		3	0.1%
43		1	0%
44		2	0%
45		1	0%
46		1	0%
48		1	0%
50		4	0.1%
52		2	0%
100		1	0%
Sysmiss		329	

### COMMIT: Compound has a group responsible for dealing with issues

Data file: tenant\_bl.dta

#### Overview

Valid: 4109 Invalid: 321 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	3799	92.5%
1	Yes	310	7.5%
Sysmiss		321	

### MEM\_COMMIT: You or anybody from your household is on this committee

Data file: tenant\_bl.dta

**Overview**

Valid: 310 Invalid: 4120 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	50	16.1%
1	Yes	260	83.9%
Sysmiss		4120	

**INTERACT: How often meet and socialize with people in your compound**

Data file: tenant\_bl.dta

**Overview**

Valid: 4109 Invalid: 321 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Everyday	3410	83%
2	At least once a week	492	12%
3	At least once a month	42	1%
4	Infrequently (less regularly than once a month)	92	2.2%
5	Never	73	1.8%
Sysmiss		321	

**ARGUMENT: Ever been in an argument with somebody from this compound**

Data file: tenant\_bl.dta

**Overview**

Valid: 4109 Invalid: 321 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	3627	88.3%
1	Yes	482	11.7%
Sysmiss		321	

## TRUST: Most people who live in this compound can be trusted

Data file: tenant\_bl.dta

### Overview

Valid: 3741 Invalid: 689 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
1	Strongly agree	1587	42.4%
2	Agree	1686	45.1%
3	Disagree	302	8.1%
4	Strongly disagree	166	4.4%
Sysmiss		689	

## LEND\_BORROW: People generally do not trust each other in this compound

Data file: tenant\_bl.dta

### Overview

Valid: 2806 Invalid: 1624 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
1	Strongly agree	451	16.1%
2	Agree	722	25.7%
3	Disagree	1040	37.1%
4	Strongly disagree	593	21.1%

Sysmiss		1624	
---------	--	------	--

## CHILD CARE: Received help with: Child care

Data file: tenant\_bl.dta

### Overview

Valid: 4109 Invalid: 321 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	3090	75.2%
1	Yes	1019	24.8%
Sysmiss		321	

## TRANSPORT: Received help with: Transport

Data file: tenant\_bl.dta

### Overview

Valid: 4109 Invalid: 321 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	3673	89.4%
1	Yes	436	10.6%
Sysmiss		321	

## FOOD: Received help with: Sharing of food

Data file: tenant\_bl.dta

### Overview

Valid: 4109 Invalid: 321 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	2742	66.7%
1	Yes	1367	33.3%
Sysmiss		321	

### **MED\_EMERG: Received help with: Medical care or emergency**

Data file: tenant\_bl.dta

#### Overview

Valid: 4109 Invalid: 321 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	3387	82.4%
1	Yes	722	17.6%
Sysmiss		321	

### **JOB\_SEARCH: Received help with: Job search**

Data file: tenant\_bl.dta

#### Overview

Valid: 4109 Invalid: 321 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	3493	85%
1	Yes	616	15%
Sysmiss		321	

**HH\_MAINT: Received help with: Household chores**

Data file: tenant\_bl.dta

**Overview**

Valid: 4109    Invalid: 321    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	3631	88.4%
1	Yes	478	11.6%
Sysmiss		321	

**CMPD\_MAINT: Received help with: Compound maintenance issues**

Data file: tenant\_bl.dta

**Overview**

Valid: 4109    Invalid: 321    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	2552	62.1%
1	Yes	1557	37.9%
Sysmiss		321	

**SECURITY: Received help with: Security**

Data file: tenant\_bl.dta

**Overview**

Valid: 4109    Invalid: 321    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 1    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	2042	49.7%
1	Yes	2067	50.3%
Sysmiss		321	

### HHH\_ACTIV: Primary activity of household head

Data file: tenant\_bl.dta

#### Overview

Valid: 4178 Invalid: 252 Minimum: 1 Maximum: 9  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 9 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Paid work	2813	67.3%
2	Voluntary work	12	0.3%
3	Self-employed/Business	1054	25.2%
4	Looking for work	159	3.8%
5	Schooling	28	0.7%
6	Vacation	33	0.8%
7	Sick	34	0.8%
8	Pensioner/retired	4	0.1%
9	Other	41	1%
Sysmiss		252	

### REMUNERATE: Household head work (if paid work)

Data file: tenant\_bl.dta

#### Overview

Valid: 2813 Invalid: 1617 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Salaried worker	1090	38.7%
2	Casual labour	1723	61.3%
Sysmiss		1617	

### W\_PLACE: Household head work location

Data file: tenant\_bl.dta

#### Overview

Valid: 3875 Invalid: 555 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Within Soweto, kayole	1173	30.3%
2	In neighbouring settlement	2094	54%
3	In Nairobi Central Business District	436	11.3%
4	Outside Nairobi	172	4.4%
Sysmiss		555	

### AMNT: Household head income (KES)

Data file: tenant\_bl.dta

#### Overview

Valid: 3208 Invalid: 1222 Minimum: 0 Maximum: 400000  
 Type: Continuous Decimal: 0 Width: 6 Range: 0 - 400000 Format: Numeric

### OTH\_INCOME1: Received money from: Work in salaried/formal employment

Data file: tenant\_bl.dta

#### Overview

Valid: 4178 Invalid: 252 Minimum: 1 Maximum: 8  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 8 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Work in salaried/formal employment	112	2.7%
2	Any other work for pay	390	9.3%
3	Business profits from business owned by one or more household members	565	13.5%
4	Transfers from other households	168	4%
5	Pension or social security	2	0%
6	Interest on investments or savings	83	2%
7	Rental income	0	0%
8	No, did not receive any income	2858	68.4%
Sysmiss		252	

### OTH\_INCOME2: Received money from: Any other work for pay

Data file: tenant\_bl.dta

#### Overview

Valid: 32 Invalid: 4398 Minimum: 2 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 1 Range: 2 - 6 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Work in salaried/formal employment	0	0%
2	Any other work for pay	1	3.1%
3	Business profits from business owned by one or more household members	10	31.3%
4	Transfers from other households	16	50%
5	Pension or social security	2	6.3%
6	Interest on investments or savings	3	9.4%
7	Rental income	0	0%
8	No, did not receive any income	0	0%
Sysmiss		4398	

### T\_AMNT: Household income from other sources (KES)

Data file: tenant\_bl.dta

**Overview**

Valid: 1194 Invalid: 3236 Minimum: 0 Maximum: 150000  
 Type: Continuous Decimal: 0 Width: 6 Range: 0 - 150000 Format: Numeric

**SOURCE\_1: Main source of water**

Data file: tenant\_bl.dta

**Overview**

Valid: 1844 Invalid: 2586 Minimum: 1 Maximum: 11  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 11 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Piped into compound	1342	72.8%
2	Public tap/standpipe	95	5.2%
3	Water kiosk	299	16.2%
4	Tube well or borehole	74	4%
5	Dug well	1	0.1%
6	Protected well	15	0.8%
7	Unprotected well	0	0%
8	Water from spring	0	0%
9	Rainwater	0	0%
10	Tanker truck	3	0.2%
11	Cart with small tank	15	0.8%
12	Surface water(river/dam/lake/pond/stream/canal/irrigation channel)	0	0%
13	Bottled water	0	0%
Sysmiss		2586	

**RUN\_WATER: Running water at the time of the interview**

Data file: tenant\_bl.dta

**Overview**

Valid: 1437 Invalid: 2993 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
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-99	Don't know	0	0%
0	No	1057	73.6%
1	Yes	380	26.4%
Sysmiss		2993	

## WAT\_DAY1: Days receive water 1

Data file: tenant\_bl.dta

### Overview

Valid: 1420 Invalid: 3010 Minimum: 1 Maximum: 8  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 8 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
1	Monday	393	27.7%
2	Tuesday	381	26.8%
3	Wednesday	541	38.1%
4	Thursday	58	4.1%
5	Friday	3	0.2%
6	Saturday	0	0%
7	Sunday	0	0%
8	None	44	3.1%
Sysmiss		3010	

## WAT\_DAY2: Days receive water 2

Data file: tenant\_bl.dta

### Overview

Valid: 771 Invalid: 3659 Minimum: 2 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 3 Range: 2 - 7 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
1	Monday	0	0%

2	Tuesday	211	27.4%
3	Wednesday	140	18.2%
4	Thursday	402	52.1%
5	Friday	13	1.7%
6	Saturday	3	0.4%
7	Sunday	2	0.3%
8	None	0	0%
Sysmiss		3659	

### WAT\_DAY3: Days receive water 3

Data file: tenant\_bl.dta

#### Overview

Valid: 245 Invalid: 4185 Minimum: 3 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 3 Range: 3 - 6 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
1	Monday	0	0%
2	Tuesday	0	0%
3	Wednesday	143	58.4%
4	Thursday	45	18.4%
5	Friday	53	21.6%
6	Saturday	4	1.6%
7	Sunday	0	0%
8	None	0	0%
Sysmiss		4185	

### WAT\_DAY4: Days receive water 4

Data file: tenant\_bl.dta

#### Overview

Valid: 106 Invalid: 4324 Minimum: 4 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 3 Range: 4 - 7 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
1	Monday	0	0%
2	Tuesday	0	0%
3	Wednesday	0	0%
4	Thursday	79	74.5%
5	Friday	10	9.4%
6	Saturday	16	15.1%
7	Sunday	1	0.9%
8	None	0	0%
Sysmiss		4324	

### WAT\_DAY5: Days receive water 5

Data file: tenant\_bl.dta

#### Overview

Valid: 41 Invalid: 4389 Minimum: 5 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 3 Range: 5 - 7 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
1	Monday	0	0%
2	Tuesday	0	0%
3	Wednesday	0	0%
4	Thursday	0	0%
5	Friday	38	92.7%
6	Saturday	2	4.9%
7	Sunday	1	2.4%
8	None	0	0%
Sysmiss		4389	

**WAT\_DAY6: Days receive water 6****Data file:** tenant\_bl.dta**Overview**

Valid: 25 Invalid: 4405 Minimum: 6 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 3 Range: 6 - 6 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
1	Monday	0	0%
2	Tuesday	0	0%
3	Wednesday	0	0%
4	Thursday	0	0%
5	Friday	0	0%
6	Saturday	25	100%
7	Sunday	0	0%
8	None	0	0%
Sysmiss		4405	

**WAT\_DAY7: Days receive water 7****Data file:** tenant\_bl.dta**Overview**

Valid: 10 Invalid: 4420 Minimum: 7 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 3 Range: 7 - 7 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
1	Monday	0	0%
2	Tuesday	0	0%
3	Wednesday	0	0%
4	Thursday	0	0%
5	Friday	0	0%
6	Saturday	0	0%
7	Sunday	10	100%

8	None	0	0%
Sysmiss		4420	

## WAT\_DAY8: Days receive water 8

Data file: tenant\_bl.dta

### Overview

Valid:   Invalid: 4430   Maximum: \*  
 Type: Discrete   Decimal: 0   Width: 3   Range: - \*   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category
-99	Don't know
1	Monday
2	Tuesday
3	Wednesday
4	Thursday
5	Friday
6	Saturday
7	Sunday
8	None
Sysmiss	

## MAIN\_FAC: Main sanitation facility is within compound

Data file: tenant\_bl.dta

### Overview

Valid: 2096   Invalid: 2334   Minimum: 0   Maximum: 1  
 Type: Discrete   Decimal: 0   Width: 3   Range: 0 - 1   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	126	6%
1	Yes	1970	94%
Sysmiss		2334	

**SATISFACTION: Satisfied with main sanitation facilities**

Data file: tenant\_bl.dta

**Overview**

Valid: 2096 Invalid: 2334 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Very Satisfied	696	33.2%
2	Somewhat Satisfied	654	31.2%
3	Less than Satisfied	298	14.2%
4	Completely Dissatisfied	435	20.8%
5	Don't know	13	0.6%
Sysmiss		2334	

**PAY\_FREQ: Pay for use of main sanitation facilities**

Data file: tenant\_bl.dta

**Overview**

Valid: 74 Invalid: 4356 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	70	94.6%
1	Yes	4	5.4%
Sysmiss		4356	

**PAY\_USE: Amount pay for use of main sanitation facilities per visit**

Data file: tenant\_bl.dta

**Overview**

Valid: 3 Invalid: 4427 Minimum: 5 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 2 Range: 5 - 10 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
5		1	33.3%
10		2	66.7%
Sysmiss		4427	

### **OFTEN: How often pay for use of main sanitation facilities per day**

Data file: tenant\_bl.dta

#### Overview

Valid: 4 Invalid: 4426 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		1	25%
2		2	50%
3		1	25%
Sysmiss		4426	

### **NUM\_TOIL: Number of toilet facilities in this compound**

Data file: tenant\_bl.dta

#### Overview

Valid: 1970 Invalid: 2460 Minimum: 1 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 15 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		1054	53.5%
2		753	38.2%
3		74	3.8%
4		41	2.1%
5		6	0.3%

6		17	0.9%
7		1	0.1%
8		6	0.3%
9		5	0.3%
10		6	0.3%
12		6	0.3%
15		1	0.1%
Sysmiss		2460	

### TOT\_TYPE: Types of toilet facilities in this compound

Data file: tenant\_bl.dta

#### Overview

Valid: 1970 Invalid: 2460 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1		1943	98.6%
2		27	1.4%
Sysmiss		2460	

### ILLEG\_CONN: Compound illegally connected to the sewer

Data file: tenant\_bl.dta

#### Overview

Valid: 1579 Invalid: 2851 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-89	Could not observe	0	0%
1	Yes	262	16.6%
2	No	1317	83.4%
Sysmiss		2851	

**CONSTRUCTION: Construction work for upgrading the sanitation facility**

Data file: tenant\_bl.dta

**Overview**

Valid: 1060 Invalid: 3370 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
1	Yes, work has been completed	142	13.4%
2	Yes, work has been started but still in progress	201	19%
3	No, applied but work has not started	406	38.3%
4	No, have not applied	311	29.3%
Sysmiss		3370	

**PREV\_FAC: Previous facility before upgrading**

Data file: tenant\_bl.dta

**Overview**

Valid: 327 Invalid: 4103 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
-79	No toilet	0	0%
1	Flush/Pour flush	86	26.3%
2	Ventilated improved pit latrine	41	12.5%
3	Pit latrine with slab	164	50.2%
4	Composting toilet	0	0%
5	Pit latrine without slab / open pit	36	11%
6	Bucket	0	0%
7	Hanging toilet / hanging latrine	0	0%
8	Plastic bag system (flying toilet)	0	0%

9	Peepoo	0	0%
Sysmiss		4103	

## PREV\_FLUSH: Where was the previous flush toilet or pour flush connected to

Data file: tenant\_bl.dta

### Overview

Valid: 86 Invalid: 4344 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Connected to piped sewer system	37	43%
2	Connected to septic tank	29	33.7%
3	Connected to pit latrine	2	2.3%
4	Flush/pour to don't know where	18	20.9%
Sysmiss		4344	

## TOIL\_FEAT\_COUNT: Total number of toilet features observable

Data file: tenant\_bl.dta

### Overview

Valid: 1958 Invalid: 2472 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		1931	98.6%
2		27	1.4%
Sysmiss		2472	

## TYPE\_TOIL1: Current toilet facility

Data file: tenant\_bl.dta

### Overview

Valid: 1968 Invalid: 2462 Minimum: 1 Maximum: 5

Type: Discrete    Decimal: 0    Width: 3    Range: 1 - 5    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
-79	No toilet	0	0%
1	Flush/Pour flush	1175	59.7%
2	Ventilated improved pit latrine	126	6.4%
3	Pit latrine with slab	558	28.4%
4	Composting toilet	2	0.1%
5	Pit latrine without slab / open pit	107	5.4%
6	Bucket	0	0%
7	Hanging toilet / hanging latrine	0	0%
8	Plastic bag system (flying toilet)	0	0%
9	Peepoo	0	0%
Sysmiss		2462	

**FLUSH\_TO1: Where is flush toilet or pour flush connected to**

Data file: tenant\_bl.dta

**Overview**

Valid: 1175    Invalid: 3255    Minimum: 1    Maximum: 4

Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 4    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Connected to piped sewer system	683	58.1%
2	Connected to septic tank	246	20.9%
3	Connected to pit latrine	26	2.2%
4	Flush/pour to don't know where	220	18.7%
Sysmiss		3255	

**LAT\_FEAT1\_1: Latrine special features 1**

Data file: tenant\_bl.dta

## Overview

Valid: 1840 Invalid: 2590 Minimum: 1 Maximum: 8  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 8 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-89	Could not observe	0	0%
1	Latrine elevated (built above ground)	1564	85%
2	Foot rests	45	2.4%
3	Seat	5	0.3%
4	Floor tiles	20	1.1%
5	Wall tiles	4	0.2%
6	Hole cover	28	1.5%
7	Water seal	162	8.8%
8	Other	12	0.7%
Sysmiss		2590	

## LAT\_FEAT2\_1: Latrine special features 2

Data file: tenant\_bl.dta

## Overview

Valid: 680 Invalid: 3750 Minimum: 2 Maximum: 8  
 Type: Discrete Decimal: 0 Width: 3 Range: 2 - 8 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-89	Could not observe	0	0%
1	Latrine elevated (built above ground)	0	0%
2	Foot rests	341	50.1%
3	Seat	2	0.3%
4	Floor tiles	64	9.4%
5	Wall tiles	24	3.5%
6	Hole cover	4	0.6%
7	Water seal	243	35.7%
8	Other	2	0.3%
Sysmiss		3750	

**LAT\_FEAT3\_1: Latrine special features 3**

Data file: tenant\_bl.dta

**Overview**

Valid: 148 Invalid: 4282 Minimum: 3 Maximum: 8  
 Type: Discrete Decimal: 0 Width: 3 Range: 3 - 8 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-89	Could not observe	0	0%
1	Latrine elevated (built above ground)	0	0%
2	Foot rests	0	0%
3	Seat	2	1.4%
4	Floor tiles	7	4.7%
5	Wall tiles	39	26.4%
6	Hole cover	2	1.4%
7	Water seal	97	65.5%
8	Other	1	0.7%
Sysmiss		4282	

**LAT\_FEAT4\_1: Latrine special features 4**

Data file: tenant\_bl.dta

**Overview**

Valid: 19 Invalid: 4411 Minimum: 5 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 3 Range: 5 - 7 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-89	Could not observe	0	0%
1	Latrine elevated (built above ground)	0	0%
2	Foot rests	0	0%
3	Seat	0	0%
4	Floor tiles	0	0%
5	Wall tiles	4	21.1%

6	Hole cover	0	0%
7	Water seal	15	78.9%
8	Other	0	0%
Sysmiss		4411	

## LAT\_FEAT5\_1: Latrine special features 5

Data file: tenant\_bl.dta

### Overview

Valid: 2    Invalid: 4428    Minimum: 7    Maximum: 7  
 Type: Discrete    Decimal: 0    Width: 3    Range: 7 - 7    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-89	Could not observe	0	0%
1	Latrine elevated (built above ground)	0	0%
2	Foot rests	0	0%
3	Seat	0	0%
4	Floor tiles	0	0%
5	Wall tiles	0	0%
6	Hole cover	0	0%
7	Water seal	2	100%
8	Other	0	0%
Sysmiss		4428	

## SUPER\_FEAT1\_1: Latrine superstructure 1

Data file: tenant\_bl.dta

### Overview

Valid: 1910    Invalid: 2520    Minimum: 1    Maximum: 8  
 Type: Discrete    Decimal: 0    Width: 3    Range: 1 - 8    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-79	No superstructure	0	0%
1	Roof	1862	97.5%

2	Fully enclosed wall	23	1.2%
3	Partially enclosed wall	11	0.6%
4	Full door	1	0.1%
5	Half door	0	0%
6	Lockable door	0	0%
7	Curtain	4	0.2%
8	Other	9	0.5%
Sysmiss		2520	

### **SUPER\_FEAT2\_1: Latrine superstructure 2**

Data file: tenant\_bl.dta

#### **Overview**

Valid: 1857 Invalid: 2573 Minimum: 2 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 3 Range: 2 - 7 Format: Numeric

#### **Questions and instructions**

#### CATEGORIES

Value	Category	Cases	
-79	No superstructure	0	0%
1	Roof	0	0%
2	Fully enclosed wall	1711	92.1%
3	Partially enclosed wall	79	4.3%
4	Full door	56	3%
5	Half door	7	0.4%
6	Lockable door	3	0.2%
7	Curtain	1	0.1%
8	Other	0	0%
Sysmiss		2573	

### **SUPER\_FEAT3\_1: Latrine superstructure 3**

Data file: tenant\_bl.dta

#### **Overview**

Valid: 1787 Invalid: 2643 Minimum: 3 Maximum: 8  
 Type: Discrete Decimal: 0 Width: 3 Range: 3 - 8 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-79	No superstructure	0	0%
1	Roof	0	0%
2	Fully enclosed wall	0	0%
3	Partially enclosed wall	9	0.5%
4	Full door	1658	92.8%
5	Half door	58	3.2%
6	Lockable door	52	2.9%
7	Curtain	7	0.4%
8	Other	3	0.2%
Sysmiss		2643	

### **SUPER\_FEAT4\_1: Latrine superstructure 4**

Data file: tenant\_bl.dta

#### Overview

Valid: 1312 Invalid: 3118 Minimum: 4 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 3 Range: 4 - 7 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-79	No superstructure	0	0%
1	Roof	0	0%
2	Fully enclosed wall	0	0%
3	Partially enclosed wall	0	0%
4	Full door	4	0.3%
5	Half door	11	0.8%
6	Lockable door	1296	98.8%
7	Curtain	1	0.1%
8	Other	0	0%
Sysmiss		3118	

**SUPER\_FEAT5\_1: Latrine superstructure 5**

Data file: tenant\_bl.dta

**Overview**

Valid: 6    Invalid: 4424    Minimum: 6    Maximum: 6  
 Type: Discrete    Decimal: 0    Width: 3    Range: 6 - 6    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-79	No superstructure	0	0%
1	Roof	0	0%
2	Fully enclosed wall	0	0%
3	Partially enclosed wall	0	0%
4	Full door	0	0%
5	Half door	0	0%
6	Lockable door	6	100%
7	Curtain	0	0%
8	Other	0	0%
Sysmiss		4424	

**HAND\_WASH1: Hand washing station installed during the upgrade**

Data file: tenant\_bl.dta

**Overview**

Valid: 340    Invalid: 4090    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 3    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	236	69.4%
1	Yes	104	30.6%
Sysmiss		4090	

**WATER\_TANK1: A 200 litres tank to store water provided during the upgrade**

Data file: tenant\_bl.dta

**Overview**

Valid: 340 Invalid: 4090 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	144	42.4%
1	Yes	196	57.6%
Sysmiss		4090	

**SHARED1: Toilet facility private or shared**

Data file: tenant\_bl.dta

**Overview**

Valid: 1970 Invalid: 2460 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Private	1856	94.2%
2	Shared by several compounds	54	2.7%
3	Public/used by all	60	3%
Sysmiss		2460	

**HH\_SHARING1: Number of households use this facility**

Data file: tenant\_bl.dta

**Overview**

Valid: 1856 Invalid: 2574 Minimum: 0 Maximum: 66  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 66 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		1	0.1%

1		193	10.4%
2		78	4.2%
3		97	5.2%
4		107	5.8%
5		115	6.2%
6		128	6.9%
7		205	11%
8		190	10.2%
9		192	10.3%
10		159	8.6%
11		139	7.5%
12		69	3.7%
13		53	2.9%
14		27	1.5%
15		21	1.1%
16		10	0.5%
17		3	0.2%
18		9	0.5%
19		3	0.2%
20		14	0.8%
21		6	0.3%
22		1	0.1%
23		1	0.1%
24		1	0.1%
25		3	0.2%
26		3	0.2%
28		4	0.2%
29		1	0.1%
30		6	0.3%
32		2	0.1%
33		2	0.1%
35		3	0.2%
36		1	0.1%
39		2	0.1%
40		1	0.1%
41		1	0.1%
45		1	0.1%
50		1	0.1%
55		1	0.1%

57		1	0.1%
66		1	0.1%
Sysmiss		2574	

### BLOCK\_FLOOD1: Toilet facility flooded or blocked

Data file: tenant\_bl.dta

#### Overview

Valid: 1970 Invalid: 2460 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	1681	85.3%
1	Yes	289	14.7%
Sysmiss		2460	

### TYPE\_TOIL2: Current toilet facility type

Data file: tenant\_bl.dta

#### Overview

Valid: 32 Invalid: 4398 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
-79	No toilet	0	0%
1	Flush/Pour flush	23	71.9%
2	Ventilated improved pit latrine	2	6.3%
3	Pit latrine with slab	7	21.9%
4	Composting toilet	0	0%
5	Pit latrine without slab / open pit	0	0%
6	Bucket	0	0%
7	Hanging toilet / hanging latrine	0	0%

8	Plastic bag system (flying toilet)	0	0%
9	Peepoo	0	0%
Sysmiss		4398	

## FLUSH\_TO2: Where is flush toilet or pour flush connected to

Data file: tenant\_bl.dta

### Overview

Valid: 23 Invalid: 4407 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Connected to piped sewer system	6	26.1%
2	Connected to septic tank	7	30.4%
3	Connected to pit latrine	7	30.4%
4	Flush/pour to don't know where	3	13%
Sysmiss		4407	

## LAT\_FEAT1\_2: Latrine special features 1

Data file: tenant\_bl.dta

### Overview

Valid: 25 Invalid: 4405 Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 7 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-89	Could not observe	0	0%
1	Latrine elevated (built above ground)	18	72%
2	Foot rests	1	4%
3	Seat	2	8%
4	Floor tiles	2	8%
5	Wall tiles	0	0%
6	Hole cover	1	4%
7	Water seal	1	4%

8	Other	0	0%
Sysmiss		4405	

## LAT\_FEAT2\_2: Latrine special features 2

Data file: tenant\_bl.dta

### Overview

Valid: 8 Invalid: 4422 Minimum: 2 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 3 Range: 2 - 7 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-89	Could not observe	0	0%
1	Latrine elevated (built above ground)	0	0%
2	Foot rests	5	62.5%
3	Seat	0	0%
4	Floor tiles	0	0%
5	Wall tiles	1	12.5%
6	Hole cover	0	0%
7	Water seal	2	25%
8	Other	0	0%
Sysmiss		4422	

## LAT\_FEAT3\_2: Latrine special features 3

Data file: tenant\_bl.dta

### Overview

Valid: 3 Invalid: 4427 Minimum: 7 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 3 Range: 7 - 7 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-89	Could not observe	0	0%
1	Latrine elevated (built above ground)	0	0%
2	Foot rests	0	0%
3	Seat	0	0%

4	Floor tiles	0	0%
5	Wall tiles	0	0%
6	Hole cover	0	0%
7	Water seal	3	100%
8	Other	0	0%
Sysmiss		4427	

## SUPER\_FEAT1\_2: Latrine superstructure 1

Data file: tenant\_bl.dta

### Overview

Valid: 32 Invalid: 4398 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-79	No superstructure	0	0%
1	Roof	31	96.9%
2	Fully enclosed wall	0	0%
3	Partially enclosed wall	0	0%
4	Full door	1	3.1%
5	Half door	0	0%
6	Lockable door	0	0%
7	Curtain	0	0%
8	Other	0	0%
Sysmiss		4398	

## SUPER\_FEAT2\_2: Latrine superstructure 2

Data file: tenant\_bl.dta

### Overview

Valid: 32 Invalid: 4398 Minimum: 2 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 3 Range: 2 - 6 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
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-79	No superstructure	0	0%
1	Roof	0	0%
2	Fully enclosed wall	30	93.8%
3	Partially enclosed wall	0	0%
4	Full door	1	3.1%
5	Half door	0	0%
6	Lockable door	1	3.1%
7	Curtain	0	0%
8	Other	0	0%
Sysmiss		4398	

### SUPER\_FEAT3\_2: Latrine superstructure 3

Data file: tenant\_bl.dta

#### Overview

Valid: 30 Invalid: 4400 Minimum: 4 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 3 Range: 4 - 6 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-79	No superstructure	0	0%
1	Roof	0	0%
2	Fully enclosed wall	0	0%
3	Partially enclosed wall	0	0%
4	Full door	28	93.3%
5	Half door	1	3.3%
6	Lockable door	1	3.3%
7	Curtain	0	0%
8	Other	0	0%
Sysmiss		4400	

### SUPER\_FEAT4\_2: Latrine superstructure 4

Data file: tenant\_bl.dta

#### Overview

Valid: 19 Invalid: 4411 Minimum: 6 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 3 Range: 6 - 6 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-79	No superstructure	0	0%
1	Roof	0	0%
2	Fully enclosed wall	0	0%
3	Partially enclosed wall	0	0%
4	Full door	0	0%
5	Half door	0	0%
6	Lockable door	19	100%
7	Curtain	0	0%
8	Other	0	0%
Sysmiss		4411	

### HAND\_WASH2: Hand washing station installed during the upgrade

Data file: tenant\_bl.dta

#### Overview

Valid: 4 Invalid: 4426 Minimum: 0  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	4	100%
1	Yes	0	0%
Sysmiss		4426	

### WATER\_TANK2: A 200 litres tank to store water provided during the upgrade

Data file: tenant\_bl.dta

#### Overview

Valid: 4 Invalid: 4426 Minimum: 0  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	4	100%
1	Yes	0	0%
Sysmiss		4426	

## SHARED2: Toilet facility private or shared

Data file: tenant\_bl.dta

### Overview

Valid: 33 Invalid: 4397 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Private	31	93.9%
2	Shared by several compounds	1	3%
3	Public/used by all	1	3%
Sysmiss		4397	

## HH\_SHARING2: Number of households use this facility

Data file: tenant\_bl.dta

### Overview

Valid: 31 Invalid: 4399 Minimum: 0 Maximum: 20  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 20 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		1	3.2%
1		8	25.8%
2		2	6.5%
4		2	6.5%

5		3	9.7%
6		2	6.5%
7		3	9.7%
8		1	3.2%
9		2	6.5%
10		4	12.9%
12		2	6.5%
20		1	3.2%
Sysmiss		4399	

## BLOCK\_FLOOD2: Toilet facility flooded or blocked

Data file: tenant\_bl.dta

### Overview

Valid: 33 Invalid: 4397 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	28	84.8%
1	Yes	5	15.2%
Sysmiss		4397	

## WILL\_PAY\_AMT: Amount willing to pay for upgrade

Data file: tenant\_bl.dta

### Overview

Valid: 1753 Invalid: 2677 Minimum: 0 Maximum: 5000  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 5000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		615	35.1%
10		1	0.1%
20		1	0.1%

50		26	1.5%
100		201	11.5%
150		9	0.5%
200		363	20.7%
250		4	0.2%
300		134	7.6%
350		1	0.1%
400		13	0.7%
500		320	18.3%
600		4	0.2%
700		8	0.5%
800		2	0.1%
1000		34	1.9%
1500		2	0.1%
2000		8	0.5%
2500		1	0.1%
3000		2	0.1%
5000		4	0.2%
Sysmiss		2677	

## WAT\_MET: Water meter installed

Data file: tenant\_bl.dta

### Overview

Valid: 2096 Invalid: 2334 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-99	Don't know	0	0%
0	No	562	26.8%
1	Yes	1534	73.2%
Sysmiss		2334	

## MET\_WORK: Water meter in working condition

Data file: tenant\_bl.dta

**Overview**

Valid: 1534 Invalid: 2896 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Yes	1249	81.4%
2	No	109	7.1%
3	Not observable	176	11.5%
Sysmiss		2896	

**ACC\_NO\_M: Account number (masked)****Data file:** tenant\_end.dta**Overview**

Valid: 404 Invalid:  
 Type: Continuous Width: 9 Range: - Format: character

**COMP\_TYPE: Compound type****Data file:** tenant\_end.dta**Overview**

Valid: 182 Invalid: 222 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Residential	165	90.7%
2	Church	3	1.6%
3	School	6	3.3%
4	Business premises (e.g. shops)	8	4.4%
Sysmiss		222	

**NUMBER: Number of households****Data file:** tenant\_end.dta**Overview**

Valid: 404 Invalid: Minimum: 1 Maximum: 56  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 56 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		54	13.4%
2		56	13.9%
3		48	11.9%
4		39	9.7%
5		41	10.1%
6		31	7.7%

7		30	7.4%
8		25	6.2%
9		21	5.2%
10		16	4%
11		6	1.5%
12		3	0.7%
13		6	1.5%
14		3	0.7%
15		4	1%
16		4	1%
17		3	0.7%
19		3	0.7%
21		1	0.2%
22		1	0.2%
23		2	0.5%
24		1	0.2%
26		3	0.7%
28		1	0.2%
30		1	0.2%
56		1	0.2%

### HHH: Household head

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1

Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	159	39.4%
1	Yes	245	60.6%

### RELATION: Relationship to household head

Data file: tenant\_end.dta

**Overview**

Valid: 159 Invalid: 245 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 4 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	don't know	0	0%
-888	other relative	0	0%
1	I am the compound owner	0	0%
2	wife or husband	159	100%
3	son or daughter	0	0%
4	son-in-law or daughter-in-law	0	0%
5	grandchild	0	0%
6	parent	0	0%
7	parent-in-law	0	0%
8	brother or sister	0	0%
10	adopted/foster/stepchild	0	0%
11	not related	0	0%
Sysmiss		245	

**HHH\_NON: Reason household head not available**

Data file: tenant\_end.dta

**Overview**

Valid: 154 Invalid: 250 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-888	Other (specify)	0	0%
1	At work	141	91.6%
2	Refuse to answer	0	0%
3	Away from home for other personal reasons	13	8.4%
4	Incapacitated	0	0%
Sysmiss		250	

**TOT\_MEM: Household members****Data file:** tenant\_end.dta**Overview**

Valid: 404 Invalid: Minimum: 1 Maximum: 337  
 Type: Discrete Decimal: 0 Width: 3 Range: 1 - 337 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		69	17.1%
2		72	17.8%
3		101	25%
4		77	19.1%
5		52	12.9%
6		12	3%
7		4	1%
8		4	1%
9		1	0.2%
14		1	0.2%
15		1	0.2%
20		1	0.2%
35		1	0.2%
40		1	0.2%
60		2	0.5%
70		1	0.2%
72		1	0.2%
78		1	0.2%
113		1	0.2%
337		1	0.2%

**MEN: Men 18 and older****Data file:** tenant\_end.dta**Overview**

Valid: 394 Invalid: 10 Minimum: 0 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 10 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		59	15%
1		297	75.4%
2		32	8.1%
3		4	1%
4		1	0.3%
10		1	0.3%
Sysmiss		10	

**WOMEN: Women 18 and older**

Data file: tenant\_end.dta

**Overview**

Valid: 395 Invalid: 9 Minimum: 0 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 10 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		78	19.7%
1		290	73.4%
2		23	5.8%
3		3	0.8%
10		1	0.3%
Sysmiss		9	

**CHILD\_NUM: Child under 5**

Data file: tenant\_end.dta

**Overview**

Valid: 395 Invalid: 9 Minimum: 0 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 15 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		212	53.7%

1		151	38.2%
2		29	7.3%
3		2	0.5%
15		1	0.3%
Sysmiss		9	

## YOUNG\_NUM: Child between 5 and 18

Data file: tenant\_end.dta

### Overview

Valid: 395 Invalid: 9 Minimum: 0 Maximum: 42  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 42 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		214	54.2%
1		98	24.8%
2		56	14.2%
3		16	4.1%
4		7	1.8%
5		1	0.3%
6		1	0.3%
8		1	0.3%
42		1	0.3%
Sysmiss		9	

## TOT\_MEMBERS: Total household members

Data file: tenant\_end.dta

### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 60  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 60 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		9	2.2%

1		69	17.1%
2		72	17.8%
3		101	25%
4		77	19.1%
5		52	12.9%
6		12	3%
7		4	1%
8		4	1%
9		1	0.2%
14		1	0.2%
20		1	0.2%
60		1	0.2%

## HH\_EDUC: Highest level of education completed

Data file: tenant\_end.dta

### Overview

Valid: 404 Invalid: Minimum: 1 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 6 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	No education	5	1.2%
2	Some primary	36	8.9%
3	Completed primary	108	26.7%
4	Some secondary	43	10.6%
5	Completed secondary	147	36.4%
6	More than secondary	65	16.1%

## HHH\_AGE: Age

Data file: tenant\_end.dta

### Overview

Valid: 396 Invalid: 8 Minimum: 25 Maximum: 45  
 Type: Discrete Decimal: 0 Width: 2 Range: 25 - 45 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
25		64	16.2%
26		31	7.8%
27		22	5.6%
28		16	4%
29		16	4%
30		32	8.1%
31		10	2.5%
32		27	6.8%
33		19	4.8%
34		21	5.3%
35		22	5.6%
36		10	2.5%
37		8	2%
38		10	2.5%
39		7	1.8%
40		9	2.3%
41		4	1%
42		12	3%
43		5	1.3%
44		7	1.8%
45		44	11.1%
Sysmiss		8	

### STATUS: Marital status

Data file: tenant\_end.dta

#### Overview

Valid: 403 Invalid: 1 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%

-998	Refused to Answer	0	0%
1	Married	290	72%
2	Divorced or separated	27	6.7%
3	Widowed	10	2.5%
4	Never married and never engaged(Single)	70	17.4%
5	Never married and engaged	6	1.5%
Sysmiss		1	

## SPOUSE\_RESIDE: Spouse lives in compound

Data file: tenant\_end.dta

### Overview

Valid: 290 Invalid: 114 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	44	15.2%
1	Yes	246	84.8%
Sysmiss		114	

## SPOUSE\_RESIDE\_YNOT\_1: Spouse not reside: Poor living conditions in this compound

Data file: tenant\_end.dta

### Overview

Valid: 44 Invalid: 360 Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	44	100%
1	Yes	0	0%
Sysmiss		360	

**SPOUSE\_RESIDE\_YNOT\_2: Spouse not reside: Settlement is unsafe**

Data file: tenant\_end.dta

**Overview**

Valid: 44 Invalid: 360 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	43	97.7%
1	Yes	1	2.3%
Sysmiss		360	

**SPOUSE\_RESIDE\_YNOT\_3: Spouse not reside: Cannot afford for them to stay here**

Data file: tenant\_end.dta

**Overview**

Valid: 44 Invalid: 360 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	42	95.5%
1	Yes	2	4.5%
Sysmiss		360	

**SPOUSE\_RESIDE\_YNOT\_4: Spouse not reside: To look after other family members elsewhere**

Data file: tenant\_end.dta

**Overview**

Valid: 44 Invalid: 360 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	32	72.7%
1	Yes	12	27.3%
Sysmiss		360	

### SPOUSE\_RESIDE\_YNOT\_5: Spouse not reside: To be closer to work or education opportunities

Data file: tenant\_end.dta

#### Overview

Valid: 44 Invalid: 360 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	31	70.5%
1	Yes	13	29.5%
Sysmiss		360	

### SPOUSE\_RESIDE\_YNOT\_\_888: Spouse not reside: Other

Data file: tenant\_end.dta

#### Overview

Valid: 44 Invalid: 360 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	23	52.3%
1	Yes	21	47.7%
Sysmiss		360	

**FACTOR\_SP\_1: Spouse not reside factors: Too little space****Data file:** tenant\_end.dta**Overview**

Valid: Invalid: 404 Maximum: \*  
 Type: Discrete Decimal: 0 Width: 4 Range: - \* Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-999	Don't know
0	No
1	Yes
Sysmiss	

**FACTOR\_SP\_2: Spouse not reside factors: Poor hygiene conditions****Data file:** tenant\_end.dta**Overview**

Valid: Invalid: 404 Maximum: \*  
 Type: Discrete Decimal: 0 Width: 4 Range: - \* Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-999	Don't know
0	No
1	Yes
Sysmiss	

**FACTOR\_SP\_3: Spouse not reside factors: Poor water availability and/or quality****Data file:** tenant\_end.dta**Overview**

Valid: Invalid: 404 Maximum: \*  
 Type: Discrete Decimal: 0 Width: 4 Range: - \* Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category
-999	Don't know
0	No
1	Yes
Sysmiss	

---

### **FACTOR\_SP\_4: Spouse not reside factors: Poor sanitation facilities**

Data file: tenant\_end.dta

#### Overview

Valid: Invalid: 404 Maximum: \*

Type: Discrete Decimal: 0 Width: 4 Range: - \* Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category
-999	Don't know
0	No
1	Yes
Sysmiss	

---

### **FACTOR\_SP\_5: Spouse not reside factors: No, or unreliable, electricity**

Data file: tenant\_end.dta

#### Overview

Valid: Invalid: 404 Maximum: \*

Type: Discrete Decimal: 0 Width: 4 Range: - \* Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category
-999	Don't know
0	No
1	Yes
Sysmiss	

**FACTOR\_SP\_6: Spouse not reside factors: No privacy****Data file:** tenant\_end.dta**Overview**

Valid: Invalid: 404 Maximum: \*  
 Type: Discrete Decimal: 0 Width: 4 Range: - \* Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-999	Don't know
0	No
1	Yes
Sysmiss	

**FACTOR\_SP\_7: Spouse not reside factors: Far from education, health or other social services****Data file:** tenant\_end.dta**Overview**

Valid: Invalid: 404 Maximum: \*  
 Type: Discrete Decimal: 0 Width: 4 Range: - \* Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-999	Don't know
0	No
1	Yes
Sysmiss	

**FACTOR\_SP\_\_888: Spouse not reside factors: Other****Data file:** tenant\_end.dta**Overview**

Valid: Invalid: 404 Maximum: \*  
 Type: Discrete Decimal: 0 Width: 4 Range: - \* Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
-999	Don't know
0	No
1	Yes
Sysmiss	

### CHILD\_AWAY: Has children under 18 that do not usually live in this compound

Data file: tenant\_end.dta

#### Overview

Valid: 401 Invalid: 3 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	306	76.3%
1	Yes	95	23.7%
Sysmiss		3	

### FACTORS\_1: Child not reside: Poor living conditions in this compound

Data file: tenant\_end.dta

#### Overview

Valid: 95 Invalid: 309 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	94	98.9%
1	Yes	1	1.1%
Sysmiss		309	

**FACTORS\_2: Child not reside: Settlement is unsafe**

Data file: tenant\_end.dta

**Overview**

Valid: 95 Invalid: 309 Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	95	100%
1	Yes	0	0%
Sysmiss		309	

**FACTORS\_3: Child not reside: Cannot afford for them to stay here**

Data file: tenant\_end.dta

**Overview**

Valid: 95 Invalid: 309 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	84	88.4%
1	Yes	11	11.6%
Sysmiss		309	

**FACTORS\_4: Child not reside: To be looked after by other family members that live elsewhere**

Data file: tenant\_end.dta

**Overview**

Valid: 95 Invalid: 309 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	51	53.7%
1	Yes	44	46.3%
Sysmiss		309	

### FACTORS\_5: Child not reside: To be closer to work or education opportunities

Data file: tenant\_end.dta

#### Overview

Valid: 95 Invalid: 309 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	61	64.2%
1	Yes	34	35.8%
Sysmiss		309	

### FACTORS\_\_888: Child not reside: Other

Data file: tenant\_end.dta

#### Overview

Valid: 95 Invalid: 309 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	78	82.1%
1	Yes	17	17.9%
Sysmiss		309	

**FACTOR\_CHLD\_1: Child not reside factors: Too little space**

Data file: tenant\_end.dta

**Overview**

Valid: 1 Invalid: 403 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	0	0%
1	Yes	1	100%
Sysmiss		403	

**FACTOR\_CHLD\_2: Child not reside factors: Poor hygiene conditions**

Data file: tenant\_end.dta

**Overview**

Valid: 1 Invalid: 403 Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	1	100%
1	Yes	0	0%
Sysmiss		403	

**FACTOR\_CHLD\_3: Child not reside factors: Poor water availability and/or quality**

Data file: tenant\_end.dta

**Overview**

Valid: 1 Invalid: 403 Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	1	100%
1	Yes	0	0%
Sysmiss		403	

### FACTOR\_CHLD\_4: Child not reside factors: Poor Sanitation facilities

Data file: tenant\_end.dta

#### Overview

Valid: 1 Invalid: 403 Minimum: 0

Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	1	100%
1	Yes	0	0%
Sysmiss		403	

### FACTOR\_CHLD\_5: Child not reside factors: No, or unreliable, electricity

Data file: tenant\_end.dta

#### Overview

Valid: 1 Invalid: 403 Minimum: 0

Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	1	100%
1	Yes	0	0%
Sysmiss		403	

**FACTOR\_CHLD\_6: Child not reside factors: No privacy**

Data file: tenant\_end.dta

**Overview**

Valid: 1 Invalid: 403 Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	1	100%
1	Yes	0	0%
Sysmiss		403	

**FACTOR\_CHLD\_7: Child not reside factors: Far from education, health or other social services**

Data file: tenant\_end.dta

**Overview**

Valid: 1 Invalid: 403 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	0	0%
1	Yes	1	100%
Sysmiss		403	

**FACTOR\_CHLD\_\_888: Child not reside factors: Other**

Data file: tenant\_end.dta

**Overview**

Valid: 1 Invalid: 403 Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	1	100%
1	Yes	0	0%
Sysmiss		403	

## CHILD\_HE\_COUNT: Child health count

Data file: tenant\_end.dta

### Overview

Valid: 404 Invalid: Minimum: -998 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 4 Range: -998 - 15 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-998		9	2.2%
0		212	52.5%
1		151	37.4%
2		29	7.2%
3		2	0.5%
15		1	0.2%

## DIARRHEA\_1: Diarrhea in the past 2 weeks

Data file: tenant\_end.dta

### Overview

Valid: 180 Invalid: 224 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	145	80.6%

1	Yes	35	19.4%
Sysmiss		224	

### FEVER\_1: Fever in the past 2 weeks

Data file: tenant\_end.dta

#### Overview

Valid: 181 Invalid: 223 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	124	68.5%
1	Yes	57	31.5%
Sysmiss		223	

### DIARRHEA\_2: Diarrhea in the past 2 weeks

Data file: tenant\_end.dta

#### Overview

Valid: 30 Invalid: 374 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	28	93.3%
1	Yes	2	6.7%
Sysmiss		374	

### FEVER\_2: Fever in the past 2 weeks

Data file: tenant\_end.dta

#### Overview

Valid: 30 Invalid: 374 Minimum: 0 Maximum: 1

Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	26	86.7%
1	Yes	4	13.3%
Sysmiss		374	

**DIARRHEA\_3: Diarrhea in the past 2 weeks**

Data file: tenant\_end.dta

**Overview**Valid: 2    Invalid: 402    Minimum: 0    Maximum: 1  
Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	1	50%
1	Yes	1	50%
Sysmiss		402	

**FEVER\_3: Fever in the past 2 weeks**

Data file: tenant\_end.dta

**Overview**Valid: 2    Invalid: 402    Minimum: 0  
Type: Discrete    Decimal: 0    Width: 4    Range: 0 -    Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	2	100%
1	Yes	0	0%

Sysmiss		402	
---------	--	-----	--

## TOT\_DWELL: Dwellings in compound

Data file: tenant\_end.dta

### Overview

Valid: 403 Invalid: 1 Minimum: 1 Maximum: 33  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 33 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		41	10.2%
2		32	7.9%
3		42	10.4%
4		34	8.4%
5		36	8.9%
6		43	10.7%
7		39	9.7%
8		27	6.7%
9		28	6.9%
10		27	6.7%
11		11	2.7%
12		11	2.7%
13		3	0.7%
14		3	0.7%
15		2	0.5%
16		5	1.2%
17		3	0.7%
18		1	0.2%
19		1	0.2%
20		2	0.5%
21		2	0.5%
22		1	0.2%
23		2	0.5%
24		1	0.2%
26		1	0.2%
28		1	0.2%

30		1	0.2%
32		2	0.5%
33		1	0.2%
Sysmiss		1	

## DWELL: Dwellings occupied by household in compound

Data file: tenant\_end.dta

### Overview

Valid: 403 Invalid: 1 Minimum: 1 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 6 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		371	92.1%
2		28	6.9%
3		3	0.7%
6		1	0.2%
Sysmiss		1	

## PAY\_DEP: Pay a deposit

Data file: tenant\_end.dta

### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	218	54%
1	Yes	186	46%

## DEP\_AMNT: Deposit amount

Data file: tenant\_end.dta

**Overview**

Valid: 184 Invalid: 220 Minimum: 600 Maximum: 14000  
 Type: Discrete Decimal: 0 Width: 5 Range: 600 - 14000 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
600		1	0.5%
1000		9	4.9%
1500		3	1.6%
1600		1	0.5%
1700		2	1.1%
1800		1	0.5%
2000		18	9.8%
2200		2	1.1%
2300		2	1.1%
2500		39	21.2%
2600		1	0.5%
2700		1	0.5%
2800		3	1.6%
3000		34	18.5%
3200		2	1.1%
3500		19	10.3%
3600		2	1.1%
4000		9	4.9%
4500		5	2.7%
4800		1	0.5%
5000		6	3.3%
5500		2	1.1%
6000		7	3.8%
6500		1	0.5%
7000		6	3.3%
7500		1	0.5%
8000		2	1.1%
9000		1	0.5%
10000		1	0.5%
13000		1	0.5%
14000		1	0.5%
Sysmiss		220	

**PAY\_RENT: Pay rent****Data file:** tenant\_end.dta**Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	3	0.7%
1	Yes	401	99.3%

**RENT: Rent amount****Data file:** tenant\_end.dta**Overview**

Valid: 396 Invalid: 8 Minimum: 500 Maximum: 26000  
 Type: Discrete Decimal: 0 Width: 5 Range: 500 - 26000 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
500		1	0.3%
1000		6	1.5%
1200		1	0.3%
1500		21	5.3%
1600		3	0.8%
1650		1	0.3%
1700		6	1.5%
1800		5	1.3%
2000		59	14.9%
2100		1	0.3%
2200		4	1%
2300		5	1.3%
2400		2	0.5%

2500		96	24.2%
2600		3	0.8%
2700		9	2.3%
2800		5	1.3%
3000		64	16.2%
3200		3	0.8%
3300		1	0.3%
3400		1	0.3%
3500		21	5.3%
3600		1	0.3%
3700		1	0.3%
4000		13	3.3%
4300		1	0.3%
4500		10	2.5%
5000		9	2.3%
5200		1	0.3%
5500		5	1.3%
6000		13	3.3%
6500		2	0.5%
7000		8	2%
7500		1	0.3%
8000		4	1%
10000		2	0.5%
13000		1	0.3%
13500		1	0.3%
15000		1	0.3%
16000		1	0.3%
17000		1	0.3%
22000		1	0.3%
26000		1	0.3%
Sysmiss		8	

## MISRENT: Late rental payments in the last 6 months

Data file: tenant\_end.dta

### Overview

Valid: 401    Invalid: 3    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	226	56.4%
1	Yes	175	43.6%
Sysmiss		3	

### MISRENT\_Y\_1: Missed payment: I did not have the money available because of an emergency

Data file: tenant\_end.dta

#### Overview

Valid: 175 Invalid: 229 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	143	81.7%
1	Yes	32	18.3%
Sysmiss		229	

### MISRENT\_Y\_2: Missed payment: I did not have the money available, which is a general challenge

Data file: tenant\_end.dta

#### Overview

Valid: 175 Invalid: 229 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	43	24.6%
1	Yes	132	75.4%

Sysmiss		229	
---------	--	-----	--

### MISRENT\_Y\_3: Missed payment: I did not feel the need to pay

Data file: tenant\_end.dta

#### Overview

Valid: 175 Invalid: 229 Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	175	100%
1	Yes	0	0%
Sysmiss		229	

### MISRENT\_Y\_4: Missed payment: I forgot

Data file: tenant\_end.dta

#### Overview

Valid: 175 Invalid: 229 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	174	99.4%
1	Yes	1	0.6%
Sysmiss		229	

### MISRENT\_Y\_5: Missed payment: I was away

Data file: tenant\_end.dta

#### Overview

Valid: 175 Invalid: 229 Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	175	100%
1	Yes	0	0%
Sysmiss		229	

### MISRENT\_Y\_\_888: Missed payment: Other

Data file: tenant\_end.dta

#### Overview

Valid: 175 Invalid: 229 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	154	88%
1	Yes	21	12%
Sysmiss		229	

### PIPE\_WATER: Piped water in this compound

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Yes	212	52.5%
2	Yes, but not working	141	34.9%
3	No	51	12.6%

**WAT\_IN\_RENT: Rent includes the cost of water**

Data file: tenant\_end.dta

**Overview**

Valid: 353 Invalid: 51 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Including with unlimited water usage	286	81%
2	Including with limited water usage â incur additional charge after certain amount	5	1.4%
3	Not including water bill	62	17.6%
Sysmiss		51	

**WAT\_BILL: Amount household spend on water (for all uses) last month**

Data file: tenant\_end.dta

**Overview**

Valid: 334 Invalid: 70 Minimum: 0 Maximum: 6000  
 Type: Continuous Decimal: 0 Width: 4 Range: 0 - 6000 Format: Numeric

**ELEC\_CMPD: Electricity connection**

Data file: tenant\_end.dta

**Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	15	3.7%
1	Yes	389	96.3%

**ELEC\_IN\_DWEL: Electricity in dwelling**

Data file: tenant\_end.dta

**Overview**

Valid: 389 Invalid: 15 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	11	2.8%
1	Yes	378	97.2%
Sysmiss		15	

**PREP\_MET: Dwelling has its own meter**

Data file: tenant\_end.dta

**Overview**

Valid: 378 Invalid: 26 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	139	36.8%
1	Yes	239	63.2%
Sysmiss		26	

**ELEC\_IN\_RENT: Rent includes the electricity bill**

Data file: tenant\_end.dta

**Overview**

Valid: 389 Invalid: 15 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	272	69.9%
1	Yes	117	30.1%
Sysmiss		15	

## ELEC\_BILL: Average electrical bill per month

Data file: tenant\_end.dta

### Overview

Valid: 265 Invalid: 139 Minimum: 0 Maximum: 3000  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 3000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		3	1.1%
50		2	0.8%
100		18	6.8%
150		14	5.3%
200		51	19.2%
250		8	3%
300		59	22.3%
350		4	1.5%
400		28	10.6%
450		1	0.4%
500		34	12.8%
550		1	0.4%
600		17	6.4%
700		1	0.4%
800		7	2.6%
900		1	0.4%
1000		10	3.8%
1500		2	0.8%
2000		3	1.1%
3000		1	0.4%
Sysmiss		139	

**RENT\_COLL: Who collects your rent****Data file:** tenant\_end.dta**Overview**

Valid: 404 Invalid: Minimum: 1 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 6 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Landlord	268	66.3%
2	Estate Agent	27	6.7%
3	Caretaker	94	23.3%
4	Spouse/Child	8	2%
5	Other relative	6	1.5%
6	Not related	1	0.2%

**HHH\_LANDL: Relationship to the owner of this compound****Data file:** tenant\_end.dta**Overview**

Valid: 401 Invalid: 3 Minimum: 4 Maximum: 11  
 Type: Discrete Decimal: 0 Width: 4 Range: 4 - 11 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	don't know	0	0%
-888	other relative	0	0%
1	I am the compound owner	0	0%
2	wife or husband	0	0%
3	son or daughter	0	0%
4	son-in-law or daughter-in-law	1	0.2%
5	grandchild	2	0.5%
6	parent	0	0%
7	parent-in-law	0	0%
8	brother or sister	1	0.2%
10	adopted/foster/stepchild	0	0%
11	not related	397	99%

Sysmiss		3	
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## TENANCY: Type of tenancy agreement

Data file: tenant\_end.dta

### Overview

Valid: 390 Invalid: 14 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 3 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-888	Other(specify)	0	0%
1	Written agreement	37	9.5%
2	Verbal agreement	197	50.5%
3	No agreement	156	40%
Sysmiss		14	

## TENA\_TERMS: Terms of rental agreement

Data file: tenant\_end.dta

### Overview

Valid: 228 Invalid: 176 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-888	Other(specify)	0	0%
1	Month to month	224	98.2%
2	Year to year	4	1.8%
Sysmiss		176	

## RENT\_RAISE: Landlord can raise the rent

Data file: tenant\_end.dta

**Overview**

Valid: 192 Invalid: 212 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	164	85.4%
1	Yes	28	14.6%
Sysmiss		212	

**RAISE\_FREQ: How often landlord can raise the rent**

Data file: tenant\_end.dta

**Overview**

Valid: 24 Invalid: 380 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-888	Other(specify)	0	0%
1	Anytime	13	54.2%
2	Monthly	4	16.7%
3	Yearly	7	29.2%
Sysmiss		380	

**LIV\_CMPD\_YRS: Time lived in compound: Years**

Data file: tenant\_end.dta

**Overview**

Valid: 402 Invalid: 2 Minimum: 0 Maximum: 28  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 28 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		138	34.3%
1		81	20.1%
2		37	9.2%
3		41	10.2%
4		22	5.5%
5		20	5%
6		15	3.7%
7		7	1.7%
8		10	2.5%
9		6	1.5%
10		12	3%
11		2	0.5%
12		1	0.2%
14		4	1%
16		1	0.2%
20		1	0.2%
22		1	0.2%
24		1	0.2%
27		1	0.2%
28		1	0.2%
Sysmiss		2	

## LIV\_CMPD\_MTHS: Time lived in compound: Months

Data file: tenant\_end.dta

### Overview

Valid: 390 Invalid: 14 Minimum: 0 Maximum: 11  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 11 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		109	27.9%
1		37	9.5%
2		45	11.5%
3		31	7.9%
4		22	5.6%

5		31	7.9%
6		35	9%
7		17	4.4%
8		25	6.4%
9		15	3.8%
10		12	3.1%
11		11	2.8%
Sysmiss		14	

## RAISE\_RENT: Landlord raised rent during this period

Data file: tenant\_end.dta

### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	346	85.6%
1	Yes	58	14.4%

## RAISE\_YRS: How often raise rent: Years

Data file: tenant\_end.dta

### Overview

Valid: 55 Invalid: 349 Minimum: 0 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 10 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		12	21.8%
1		16	29.1%
2		10	18.2%
3		4	7.3%
4		6	10.9%

5		2	3.6%
7		1	1.8%
8		2	3.6%
10		2	3.6%
Sysmiss		349	

## RAISE\_MTHS: How often raise rent: Months

Data file: tenant\_end.dta

### Overview

Valid: 53 Invalid: 351 Minimum: 0 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 10 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		22	41.5%
1		3	5.7%
2		3	5.7%
3		4	7.5%
4		3	5.7%
5		5	9.4%
6		2	3.8%
7		3	5.7%
8		6	11.3%
10		2	3.8%
Sysmiss		351	

## KNOW\_PPLE: Number of people you know in this compound

Data file: tenant\_end.dta

### Overview

Valid: 401 Invalid: 3 Minimum: 0 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
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0		27	6.7%
1		30	7.5%
2		37	9.2%
3		38	9.5%
4		31	7.7%
5		38	9.5%
6		25	6.2%
7		19	4.7%
8		24	6%
9		10	2.5%
10		25	6.2%
11		10	2.5%
12		8	2%
13		6	1.5%
14		10	2.5%
15		16	4%
16		5	1.2%
17		6	1.5%
18		4	1%
19		2	0.5%
20		11	2.7%
21		2	0.5%
22		2	0.5%
23		1	0.2%
25		2	0.5%
26		1	0.2%
27		1	0.2%
30		4	1%
35		1	0.2%
40		1	0.2%
70		1	0.2%
90		1	0.2%
100		2	0.5%
Sysmiss		3	

**COMMIT: Compound has a group responsible for dealing with issues**

Data file: tenant\_end.dta

## Overview

Valid: 400 Invalid: 4 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	372	93%
1	Yes	28	7%
Sysmiss		4	

## MEM\_COMMIT: You or anybody from household is on this committee

Data file: tenant\_end.dta

## Overview

Valid: 28 Invalid: 376 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	2	7.1%
1	Yes	26	92.9%
Sysmiss		376	

## INTERACT: How often meet and socialize with people in your compound

Data file: tenant\_end.dta

## Overview

Valid: 28 Invalid: 376 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Every day,	5	17.9%

2	At least once a week,	4	14.3%
3	At least once a month,	6	21.4%
4	Infrequently (less regularly than once a month),	13	46.4%
5	Never	0	0%
Sysmiss		376	

## ARGUMENT: Ever been in an argument with somebody from this compound

Data file: tenant\_end.dta

### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	361	89.4%
1	Yes	43	10.6%

## TRUST: Most people who live in this compound can be trusted

Data file: tenant\_end.dta

### Overview

Valid: 360 Invalid: 44 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-998	Not applicable	0	0%
1	Strongly agree	131	36.4%
2	Agree	153	42.5%
3	Disagree	51	14.2%
4	Strongly disagree	25	6.9%
Sysmiss		44	

**ISSUES: Ever approached a leader in this community about your needs**

Data file: tenant\_end.dta

**Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	376	93.1%
1	Yes	28	6.9%

**MEET: Attended any meetings for this community in the last 6 months**

Data file: tenant\_end.dta

**Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	363	89.9%
1	Yes	41	10.1%

**COMMIT\_MEM: Anyone in household a member of a community committee**

Data file: tenant\_end.dta

**Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	387	95.8%
1	Yes	17	4.2%

## TEN\_LL\_RSHIP: Relationship with landlord (scale of 1 to 10)

Data file: tenant\_end.dta

### Overview

Valid: 404 Invalid: Minimum: 1 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 10 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		12	3%
2		5	1.2%
3		3	0.7%
4		4	1%
5		37	9.2%
6		23	5.7%
7		27	6.7%
8		48	11.9%
9		25	6.2%
10		220	54.5%

## DISPUTE: Ever experienced a dispute with your landlord

Data file: tenant\_end.dta

### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	389	96.3%

1	Yes	15	3.7%
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### DISPUTE\_ISSUE\_1: Dispute: General housing conditions

Data file: tenant\_end.dta

#### Overview

Valid: 15 Invalid: 389 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	14	93.3%
1	Yes	1	6.7%
Sysmiss		389	

### DISPUTE\_ISSUE\_2: Dispute: Rental amount

Data file: tenant\_end.dta

#### Overview

Valid: 15 Invalid: 389 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	12	80%
1	Yes	3	20%
Sysmiss		389	

### DISPUTE\_ISSUE\_3: Dispute: Personal

Data file: tenant\_end.dta

#### Overview

Valid: 15 Invalid: 389 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	11	73.3%
1	Yes	4	26.7%
Sysmiss		389	

### DISPUTE\_ISSUE\_4: Dispute: Related to other people living in the compound

Data file: tenant\_end.dta

#### Overview

Valid: 15 Invalid: 389 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	14	93.3%
1	Yes	1	6.7%
Sysmiss		389	

### DISPUTE\_ISSUE\_5: Dispute: Leasing agreement conditions

Data file: tenant\_end.dta

#### Overview

Valid: 15 Invalid: 389 Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	15	100%
1	Yes	0	0%
Sysmiss		389	

**DISPUTE\_ISSUE\_6: Dispute: Poor water services**

Data file: tenant\_end.dta

**Overview**

Valid: 15 Invalid: 389 Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	15	100%
1	Yes	0	0%
Sysmiss		389	

**DISPUTE\_ISSUE\_7: Dispute: Poor sanitation services**

Data file: tenant\_end.dta

**Overview**

Valid: 15 Invalid: 389 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	14	93.3%
1	Yes	1	6.7%
Sysmiss		389	

**DISPUTE\_ISSUE\_8: Dispute: Poor electricity provision**

Data file: tenant\_end.dta

**Overview**

Valid: 15 Invalid: 389 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	13	86.7%
1	Yes	2	13.3%
Sysmiss		389	

### DISPUTE\_ISSUE\_\_888: Dispute: Other

Data file: tenant\_end.dta

#### Overview

Valid: 15 Invalid: 389 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	12	80%
1	Yes	3	20%
Sysmiss		389	

### NCWS\_FEES: Water and sanitation fees applied by Nairobi Water are fair

Data file: tenant\_end.dta

#### Overview

Valid: 269 Invalid: 135 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-998	Not applicable	0	0%
1	Strongly agree	38	14.1%
2	Agree	126	46.8%

3	Disagree	55	20.4%
4	Strongly disagree	50	18.6%
Sysmiss		135	

### DISCONNECT: If you don't pay fees, there is a strong chance of disconnection

Data file: tenant\_end.dta

#### Overview

Valid: 351 Invalid: 53 Minimum: 1 Maximum: 4  
Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-998	Not applicable	0	0%
1	Strongly agree	219	62.4%
2	Agree	104	29.6%
3	Disagree	18	5.1%
4	Strongly disagree	10	2.8%
Sysmiss		53	

### APPROACH: The approach Nairobi Water uses to enforce repayments is fair

Data file: tenant\_end.dta

#### Overview

Valid: 317 Invalid: 87 Minimum: 1 Maximum: 4  
Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-998	Not applicable	0	0%
1	Strongly agree	60	18.9%
2	Agree	143	45.1%
3	Disagree	58	18.3%
4	Strongly disagree	56	17.7%

Sysmiss		87	
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## NCWS\_SAT: I am satisfied with the water and/or sanitation services I receive

Data file: tenant\_end.dta

### Overview

Valid: 389 Invalid: 15 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-998	Not applicable	0	0%
1	Strongly agree	55	14.1%
2	Agree	108	27.8%
3	Disagree	85	21.9%
4	Strongly disagree	141	36.2%
Sysmiss		15	

## GOVT\_COMIT: The government is interested in improving the living conditions

Data file: tenant\_end.dta

### Overview

Valid: 371 Invalid: 33 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-998	Not applicable	0	0%
1	Strongly agree	82	22.1%
2	Agree	172	46.4%
3	Disagree	52	14%
4	Strongly disagree	65	17.5%
Sysmiss		33	

**AFFORDABILITY: Water and sewer fees are affordable**

Data file: tenant\_end.dta

**Overview**

Valid: 269    Invalid: 135    Minimum: 1    Maximum: 4  
 Type: Discrete    Decimal: 0    Width: 4    Range: 1 - 4    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-998	Not applicable	0	0%
1	Strongly agree	37	13.8%
2	Agree	138	51.3%
3	Disagree	56	20.8%
4	Strongly disagree	38	14.1%
Sysmiss		135	

**NCW\_COMMUNICATE: Nairobi Water provides clear communication to us**

Data file: tenant\_end.dta

**Overview**

Valid: 297    Invalid: 107    Minimum: 1    Maximum: 4  
 Type: Discrete    Decimal: 0    Width: 4    Range: 1 - 4    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-998	Not applicable	0	0%
1	Strongly agree	34	11.4%
2	Agree	117	39.4%
3	Disagree	71	23.9%
4	Strongly disagree	75	25.3%
Sysmiss		107	

**NCWS\_IMPROV: The water and sanitation services improve people's lives**

Data file: tenant\_end.dta

**Overview**

Valid: 378 Invalid: 26 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-998	Not applicable	0	0%
1	Strongly agree	138	36.5%
2	Agree	159	42.1%
3	Disagree	39	10.3%
4	Strongly disagree	42	11.1%
Sysmiss		26	

**GOVT\_NO\_HELP: The government is not interested in helping us**

Data file: tenant\_end.dta

**Overview**

Valid: 366 Invalid: 38 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-998	Not applicable	0	0%
1	Strongly agree	57	15.6%
2	Agree	71	19.4%
3	Disagree	150	41%
4	Strongly disagree	88	24%
Sysmiss		38	

**WAT\_SAN\_IMPRO: Water and sanitation services in general helps improve people's lives**

Data file: tenant\_end.dta

**Overview**

Valid: 393 Invalid: 11 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-998	Not applicable	0	0%
1	Strongly agree	205	52.2%
2	Agree	160	40.7%
3	Disagree	15	3.8%
4	Strongly disagree	13	3.3%
Sysmiss		11	

**ACCURATE: The water bills are accurate**

Data file: tenant\_end.dta

**Overview**

Valid: 223 Invalid: 181 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-998	Not applicable	0	0%
1	Strongly agree	29	13%
2	Agree	111	49.8%
3	Disagree	40	17.9%
4	Strongly disagree	43	19.3%
Sysmiss		181	

**JISOME\_EASE: The jisomee mita system is easy to use**

Data file: tenant\_end.dta

**Overview**

Valid: 195 Invalid: 209 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-998	Not applicable	0	0%
1	Strongly agree	57	29.2%
2	Agree	106	54.4%
3	Disagree	24	12.3%
4	Strongly disagree	8	4.1%
Sysmiss		209	

## TENANT\_CONTENTMENT: Tenants appreciate the water and sanitation services provided in my compound

Data file: tenant\_end.dta

### Overview

Valid: 382 Invalid: 22 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-998	Not applicable	0	0%
1	Strongly agree	87	22.8%
2	Agree	116	30.4%
3	Disagree	80	20.9%
4	Strongly disagree	99	25.9%
Sysmiss		22	

## ILLEGAL\_CONECTIONS: Illegal connections are common in settlement

Data file: tenant\_end.dta

### Overview

Valid: 273 Invalid: 131 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-998	Not applicable	0	0%
1	Strongly agree	42	15.4%
2	Agree	67	24.5%
3	Disagree	87	31.9%
4	Strongly disagree	77	28.2%
Sysmiss		131	

## ILLEGAL\_PROPORTION: Proportion of people in settlement have illegal water connection

Data file: tenant\_end.dta

### Overview

Valid: 187 Invalid: 217 Minimum: 0 Maximum: 99  
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 99 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		50	26.7%
1		3	1.6%
2		2	1.1%
3		1	0.5%
4		1	0.5%
5		7	3.7%
10		28	15%
15		1	0.5%
17		1	0.5%
20		21	11.2%
25		3	1.6%
30		12	6.4%
35		1	0.5%
40		4	2.1%
50		21	11.2%
60		7	3.7%

65		1	0.5%
70		9	4.8%
75		1	0.5%
80		5	2.7%
85		1	0.5%
90		5	2.7%
96		1	0.5%
99		1	0.5%
Sysmiss		217	

### **NOPAY\_COMMON: Non-payment of water and sanitation bills are common in my settlement**

Data file: tenant\_end.dta

#### **Overview**

Valid: 297 Invalid: 107 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

#### **Questions and instructions**

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
-998	Not applicable	0	0%
1	Strongly agree	46	15.5%
2	Agree	118	39.7%
3	Disagree	97	32.7%
4	Strongly disagree	36	12.1%
Sysmiss		107	

### **NOPAY\_PROPORTION: Proportion of people in your settlement do you think pay all of their water**

Data file: tenant\_end.dta

#### **Overview**

Valid: 240 Invalid: 164 Minimum: 0 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 100 Format: Numeric

#### **Questions and instructions**

##### CATEGORIES

Value	Category	Cases	
0		4	1.7%
1		1	0.4%
4		1	0.4%
5		4	1.7%
7		1	0.4%
8		1	0.4%
10		14	5.8%
15		3	1.3%
20		15	6.3%
25		3	1.3%
30		12	5%
35		1	0.4%
40		17	7.1%
50		51	21.3%
55		2	0.8%
56		1	0.4%
60		15	6.3%
70		29	12.1%
75		10	4.2%
78		2	0.8%
80		23	9.6%
86		2	0.8%
90		15	6.3%
95		1	0.4%
98		3	1.3%
99		2	0.8%
100		7	2.9%
Sysmiss		164	

## HHH\_ACTIV: Primary activity of household head

Data file: tenant\_end.dta

### Overview

Valid: 391    Invalid: 13    Minimum: 1    Maximum: 7  
 Type: Discrete    Decimal: 0    Width: 4    Range: 1 - 7    Format: Numeric

### Questions and instructions

## CATEGORIES

Value	Category	Cases	
-888	Other, specify	0	0%
1	Paid work	344	88%
2	Voluntary work	2	0.5%
3	Looking for work	27	6.9%
4	Schooling	2	0.5%
5	Vacation	7	1.8%
6	Sick	8	2%
7	Pensioner/retired	1	0.3%
Sysmiss		13	

**REMUNERATE: Household head work**

Data file: tenant\_end.dta

**Overview**

Valid: 344 Invalid: 60 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Salaried worker	81	23.5%
2	Casual labour	163	47.4%
3	Self employed	100	29.1%
Sysmiss		60	

**W\_PLACE: Household head work location**

Data file: tenant\_end.dta

**Overview**

Valid: 344 Invalid: 60 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Within this informal settlement	107	31.1%

2	In neighbouring settlement	100	29.1%
3	In Nairobi Central Business District	33	9.6%
4	Outside Nairobi	14	4.1%
5	Other settlement in Nairobi (not neighbouring this settlement)	90	26.2%
Sysmiss		60	

## AMNT: Household head income amount

Data file: tenant\_end.dta

### Overview

Valid: 265 Invalid: 139 Minimum: 0 Maximum: 180000  
 Type: Discrete Decimal: 0 Width: 6 Range: 0 - 180000 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		3	1.1%
500		3	1.1%
1000		3	1.1%
1200		1	0.4%
1500		4	1.5%
2000		5	1.9%
2500		2	0.8%
3000		7	2.6%
4000		9	3.4%
4500		1	0.4%
4800		1	0.4%
5000		23	8.7%
5600		2	0.8%
6000		13	4.9%
6500		1	0.4%
7000		9	3.4%
8000		10	3.8%
9000		9	3.4%
10000		42	15.8%
10500		1	0.4%
12000		14	5.3%
12400		1	0.4%

13000		1	0.4%
14000		1	0.4%
14400		1	0.4%
15000		27	10.2%
16000		2	0.8%
17000		3	1.1%
18000		6	2.3%
20000		24	9.1%
21000		1	0.4%
22000		3	1.1%
23000		2	0.8%
24000		1	0.4%
25000		3	1.1%
27000		2	0.8%
28000		5	1.9%
30000		10	3.8%
32000		1	0.4%
35000		1	0.4%
36000		1	0.4%
45000		1	0.4%
50000		1	0.4%
60000		1	0.4%
75000		1	0.4%
100000		1	0.4%
180000		1	0.4%
Sysmiss		139	

## INC\_SOURCE\_1: Income source: Work in salaried/formal employment

Data file: tenant\_end.dta

### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%

0	No	378	93.6%
1	Yes	26	6.4%

### INC\_SOURCE\_2: Income source: Any other work for pay

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	325	80.4%
1	Yes	79	19.6%

### INC\_SOURCE\_3: Income source: Business profits from business owned by one or more household mem

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	359	88.9%
1	Yes	45	11.1%

### INC\_SOURCE\_4: Income source: Transfers from other households

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	397	98.3%
1	Yes	7	1.7%

### INC\_SOURCE\_5: Income source: Pension or social security

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	404	100%
1	Yes	0	0%

### INC\_SOURCE\_6: Income source: Interest on investments or savings

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	403	99.8%
1	Yes	1	0.2%

**INC\_SOURCE\_7: Income source: Rental income**

Data file: tenant\_end.dta

**Overview**

Valid: 404 Invalid: Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	404	100%
1	Yes	0	0%

**INC\_SOURCE\_8: Income source: No, did not receive any income**

Data file: tenant\_end.dta

**Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	165	40.8%
1	Yes	239	59.2%

**INC\_SOURCE\_999: Income source: Don't know**

Data file: tenant\_end.dta

**Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%

0	No	400	99%
1	Yes	4	1%

### INC\_SOURCE\_\_888: Income source: Other

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	394	97.5%
1	Yes	10	2.5%

### INC\_TOT\_AMT: Total household income amount

Data file: tenant\_end.dta

#### Overview

Valid: 135 Invalid: 269 Minimum: 0 Maximum: 180000  
 Type: Discrete Decimal: 0 Width: 6 Range: 0 - 180000 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0		1	0.7%
500		1	0.7%
1000		1	0.7%
1400		1	0.7%
1500		1	0.7%
2000		3	2.2%
2500		1	0.7%
3000		7	5.2%
3500		2	1.5%
3800		1	0.7%
4000		2	1.5%

5000		6	4.4%
6000		8	5.9%
7000		5	3.7%
7500		2	1.5%
7800		1	0.7%
8000		2	1.5%
9000		4	3%
10000		11	8.1%
11000		1	0.7%
12000		6	4.4%
13000		1	0.7%
14000		1	0.7%
15000		17	12.6%
16000		1	0.7%
17000		1	0.7%
18000		2	1.5%
19000		2	1.5%
20000		8	5.9%
21500		1	0.7%
22000		1	0.7%
23000		3	2.2%
24000		1	0.7%
25000		3	2.2%
26000		1	0.7%
27000		3	2.2%
28000		2	1.5%
30000		5	3.7%
32000		2	1.5%
34000		1	0.7%
35000		5	3.7%
38000		1	0.7%
40000		1	0.7%
45000		2	1.5%
65000		1	0.7%
75000		1	0.7%
180000		1	0.7%
Sysmiss		269	

**SOURCE\_1: Main source of water used by the members of this compound**

Data file: tenant\_end.dta

**Overview**

Valid: 394 Invalid: 10 Minimum: 1 Maximum: 14  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 14 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-888	Other, specify	0	0%
1	Piped into compound	130	33%
2	Public tap/standpipe	16	4.1%
3	Water kiosk	4	1%
4	Tube well or borehole	156	39.6%
5	Dug well	1	0.3%
6	Protected well	5	1.3%
7	Unprotected well	0	0%
8	Water from spring	0	0%
9	Rainwater	0	0%
10	Tanker truck (reported)	6	1.5%
11	Cart with small tank (reported)	2	0.5%
12	Surface water(river/dam/lake/pond/stream/canal/irrigation channel)	0	0%
13	Bottled water	0	0%
14	Water vendor (with jericans)	74	18.8%
Sysmiss		10	

**RUN\_WATER: Source has running water at the time of the interview**

Data file: tenant\_end.dta

**Overview**

Valid: 130 Invalid: 274 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	112	86.2%

1	Yes	18	13.8%
Sysmiss		274	

### WATER\_AVAIL\_1: Days with water: Monday

Data file: tenant\_end.dta

#### Overview

Valid: 130 Invalid: 274 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	100	76.9%
1	Yes	30	23.1%
Sysmiss		274	

### WATER\_AVAIL\_2: Days with water: Tuesday

Data file: tenant\_end.dta

#### Overview

Valid: 130 Invalid: 274 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	83	63.8%
1	Yes	47	36.2%
Sysmiss		274	

### WATER\_AVAIL\_3: Days with water: Wednesday

Data file: tenant\_end.dta

#### Overview

Valid: 130 Invalid: 274 Minimum: 0 Maximum: 1

Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	108	83.1%
1	Yes	22	16.9%
Sysmiss		274	

## WATER\_AVAIL\_4: Days with water: Thursday

Data file: tenant\_end.dta

### Overview

Valid: 130    Invalid: 274    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	105	80.8%
1	Yes	25	19.2%
Sysmiss		274	

## WATER\_AVAIL\_5: Days with water: Friday

Data file: tenant\_end.dta

### Overview

Valid: 130    Invalid: 274    Minimum: 0    Maximum: 1  
 Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	120	92.3%
1	Yes	10	7.7%

Sysmiss		274	
---------	--	-----	--

### WATER\_AVAIL\_6: Days with water: Saturday

Data file: tenant\_end.dta

#### Overview

Valid: 130 Invalid: 274 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	104	80%
1	Yes	26	20%
Sysmiss		274	

### WATER\_AVAIL\_7: Days with water: Sunday

Data file: tenant\_end.dta

#### Overview

Valid: 130 Invalid: 274 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	115	88.5%
1	Yes	15	11.5%
Sysmiss		274	

### WATER\_AVAIL\_\_998: Days with water: Don't know

Data file: tenant\_end.dta

#### Overview

Valid: 130 Invalid: 274 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	126	96.9%
1	Yes	4	3.1%
Sysmiss		274	

### WATER\_AVAIL\_\_999: Days water: Don'tknow

Data file: tenant\_end.dta

#### Overview

Valid: 130 Invalid: 274 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	128	98.5%
1	Yes	2	1.5%
Sysmiss		274	

### HH\_SHARING\_WAT: Number of households using this facility

Data file: tenant\_end.dta

#### Overview

Valid: 356 Invalid: 48 Minimum: 0 Maximum: 2000  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 2000 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		1	0.3%
1		30	8.4%
2		43	12.1%
3		37	10.4%

4		39	11%
5		25	7%
6		26	7.3%
7		22	6.2%
8		18	5.1%
9		16	4.5%
10		14	3.9%
11		3	0.8%
12		3	0.8%
13		3	0.8%
14		1	0.3%
15		2	0.6%
16		2	0.6%
17		1	0.3%
18		1	0.3%
19		2	0.6%
20		5	1.4%
22		2	0.6%
23		2	0.6%
26		1	0.3%
28		1	0.3%
30		1	0.3%
40		1	0.3%
50		3	0.8%
56		1	0.3%
70		1	0.3%
100		6	1.7%
150		2	0.6%
200		16	4.5%
250		1	0.3%
300		5	1.4%
400		3	0.8%
500		7	2%
600		3	0.8%
700		1	0.3%
1000		4	1.1%
2000		1	0.3%
Sysmiss		48	

**SOURCE\_1\_CPD: Main water source in the compound**

Data file: tenant\_end.dta

**Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	297	73.5%
1	Yes	107	26.5%

**WATER\_DISTANCE: Time in minutes to collect water from this source**

Data file: tenant\_end.dta

**Overview**

Valid: 295 Invalid: 109 Minimum: 0 Maximum: 180  
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 180 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		1	0.3%
1		13	4.4%
2		15	5.1%
3		7	2.4%
4		1	0.3%
5		43	14.6%
6		3	1%
10		64	21.7%
12		1	0.3%
15		31	10.5%
20		36	12.2%
30		44	14.9%
40		1	0.3%

45		2	0.7%
60		22	7.5%
90		2	0.7%
120		5	1.7%
180		4	1.4%
Sysmiss		109	

## WATER\_PICKUPS: Times in a typical week collect water from this source

Data file: tenant\_end.dta

### Overview

Valid: 297 Invalid: 107 Minimum: 1 Maximum: 70  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 70 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		46	15.5%
2		31	10.4%
3		49	16.5%
4		13	4.4%
5		14	4.7%
6		12	4%
7		69	23.2%
8		3	1%
9		3	1%
10		10	3.4%
12		3	1%
14		5	1.7%
15		5	1.7%
16		1	0.3%
18		1	0.3%
20		3	1%
21		5	1.7%
25		1	0.3%
28		10	3.4%
30		5	1.7%
35		3	1%

49		3	1%
70		2	0.7%
Sysmiss		107	

## WATER\_SATISFY: Satisfaction with main water source

Data file: tenant\_end.dta

### Overview

Valid: 404 Invalid: Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1	Very Satisfied	70	17.3%
2	Somewhat Satisfied	123	30.4%
3	Less than Satisfied	78	19.3%
4	Completely Dissatisfied	133	32.9%

## SOURCE\_1\_PAY: Pay for use of main water source

Data file: tenant\_end.dta

### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	12	3%
1	Yes	322	79.7%
2	Included in rent	70	17.3%

## WATER\_PAY: Amount paid for use of main water source

Data file: tenant\_end.dta

**Overview**

Valid: 320 Invalid: 84 Minimum: 1 Maximum: 3000  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 3000 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		1	0.3%
2		44	13.8%
3		23	7.2%
4		1	0.3%
5		125	39.1%
10		36	11.3%
15		19	5.9%
20		41	12.8%
30		2	0.6%
100		1	0.3%
150		1	0.3%
200		5	1.6%
210		1	0.3%
300		1	0.3%
450		1	0.3%
500		3	0.9%
540		1	0.3%
600		1	0.3%
700		1	0.3%
800		2	0.6%
900		1	0.3%
1200		4	1.3%
1300		1	0.3%
1550		1	0.3%
1800		1	0.3%
2000		1	0.3%
3000		1	0.3%
Sysmiss		84	

**WATER\_UNIT: Units of measurement**

Data file: tenant\_end.dta

**Overview**

Valid: 321 Invalid: 83 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-888	Other (specify)	0	0%
1	Jerrican (20litre)	311	96.9%
2	Tanker	0	0%
3	Cubic metre	10	3.1%
Sysmiss		83	

**MAIN\_FAC: Main sanitation facility is within the compound**

Data file: tenant\_end.dta

**Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	28	6.9%
1	Yes	376	93.1%

**TOILET\_DISTANCE: Time to walk to the sanitation facility**

Data file: tenant\_end.dta

**Overview**

Valid: 28 Invalid: 376 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		24	85.7%

2		3	10.7%
3		1	3.6%
Sysmiss		376	

## SATISFACTION: Satisfaction with your main sanitation facilities

Data file: tenant\_end.dta

### Overview

Valid: 404 Invalid: Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1	Very Satisfied	211	52.2%
2	Somewhat Satisfied	130	32.2%
3	Less than Satisfied	37	9.2%
4	Completely Dissatisfied	26	6.4%

## PAY\_FAC: Pay for use of your main sanitation facilities

Data file: tenant\_end.dta

### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	263	65.1%
1	Yes	1	0.2%
2	Included in rent	140	34.7%

## PAY\_USE: Amount paid for use of your main sanitation facilities per visit

Data file: tenant\_end.dta

## Overview

Valid: 1 Invalid: 403 Minimum: 450 Maximum: 450  
 Type: Discrete Decimal: 0 Width: 3 Range: 450 - 450 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
450		1	100%
Sysmiss		403	

## OFTEN\_PAY: How often pay for use of main sanitation facilities per day

Data file: tenant\_end.dta

## Overview

Valid: 1 Invalid: 403 Minimum: 4 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 4 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Per use	0	0%
2	Per day	0	0%
3	Per week	0	0%
4	Per month	1	100%
Sysmiss		403	

## NUM\_TOIL: Number of toilet facilities in compound

Data file: tenant\_end.dta

## Overview

Valid: 376 Invalid: 28 Minimum: 1 Maximum: 22  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 22 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		60	16%
2		265	70.5%

3		29	7.7%
4		9	2.4%
5		1	0.3%
6		4	1.1%
7		1	0.3%
8		3	0.8%
9		2	0.5%
12		1	0.3%
22		1	0.3%
Sysmiss		28	

### TYPE\_TOIL: Main toilet facility currently used

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 1 Maximum: 3

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Flush/Pour flush	399	98.8%
2	Ventilated improved pit latrine	3	0.7%
3	Pit latrine with slab	2	0.5%
4	Composting toilet	0	0%
5	Pit latrine without slab / open pit	0	0%
6	Bucket	0	0%
7	Hanging toilet / hanging latrine	0	0%
8	Plastic bag system (flying toilet)	0	0%
9	Peepoo	0	0%

### FLUSH\_TO: Where flush toilet or pour flush is connected to

Data file: tenant\_end.dta

#### Overview

Valid: 399 Invalid: 5 Minimum: 1 Maximum: 4

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Connected to piped sewer system	396	99.2%
2	Connected to septic tank	2	0.5%
3	Connected to pit latrine	0	0%
4	Flush/pour to don't know where	1	0.3%
Sysmiss		5	

### LAT\_FEAT\_1: Features: Latrine elevated (built above ground)

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	256	63.4%
1	Yes	148	36.6%

### LAT\_FEAT\_2: Features: Foot rests

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	315	78%
1	Yes	89	22%

**LAT\_FEAT\_3: Features: Seat****Data file:** tenant\_end.dta**Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	398	98.5%
1	Yes	6	1.5%

**LAT\_FEAT\_4: Features: Floor tiles****Data file:** tenant\_end.dta**Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	366	90.6%
1	Yes	38	9.4%

**LAT\_FEAT\_5: Features: Wall tiles****Data file:** tenant\_end.dta**Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	372	92.1%
1	Yes	32	7.9%

### LAT\_FEAT\_6: Features: Hole cover

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	396	98%
1	Yes	8	2%

### LAT\_FEAT\_7: Features: Water seal

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	127	31.4%
1	Yes	277	68.6%

### LAT\_FEAT\_998: Features: No superstructure

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 0

Type: Discrete    Decimal: 0    Width: 4    Range: 0 -    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	404	100%
1	Yes	0	0%

**LAT\_FEAT\_\_889: Features: Could not observe**

Data file: tenant\_end.dta

**Overview**Valid: 404    Invalid:    Minimum: 0    Maximum: 1  
Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	402	99.5%
1	Yes	2	0.5%

**LAT\_FEAT\_\_888: Features: Other**

Data file: tenant\_end.dta

**Overview**Valid: 404    Invalid:    Minimum: 0    Maximum: 1  
Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 1    Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	403	99.8%
1	Yes	1	0.2%

**SUPER\_FEAT\_1: Superstructure: Roof**

Data file: tenant\_end.dta

**Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	37	9.2%
1	Yes	367	90.8%

**SUPER\_FEAT\_2: Superstructure: Fully enclosed wall**

Data file: tenant\_end.dta

**Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	46	11.4%
1	Yes	358	88.6%

**SUPER\_FEAT\_3: Superstructure: Partially enclosed wall**

Data file: tenant\_end.dta

**Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%

0	No	366	90.6%
1	Yes	38	9.4%

### **SUPER\_FEAT\_4: Superstructure: Full door**

Data file: tenant\_end.dta

#### **Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### **Questions and instructions**

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	19	4.7%
1	Yes	385	95.3%

### **SUPER\_FEAT\_5: Superstructure: Half door**

Data file: tenant\_end.dta

#### **Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### **Questions and instructions**

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	395	97.8%
1	Yes	9	2.2%

### **SUPER\_FEAT\_6: Superstructure: Lockable door**

Data file: tenant\_end.dta

#### **Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	79	19.6%
1	Yes	325	80.4%

### **SUPER\_FEAT\_7: Superstructure: Curtain**

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	402	99.5%
1	Yes	2	0.5%

### **SUPER\_FEAT\_998: Superstructure: No superstructure**

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	404	100%
1	Yes	0	0%

**SUPER\_FEAT\_\_889: Superstructure: Could not observe**

Data file: tenant\_end.dta

**Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	402	99.5%
1	Yes	2	0.5%

**SUPER\_FEAT\_\_888: Superstructure: Other**

Data file: tenant\_end.dta

**Overview**

Valid: 404 Invalid: Minimum: 0  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	404	100%
1	Yes	0	0%

**HAND\_WASH: Handwashing station**

Data file: tenant\_end.dta

**Overview**

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%

0	No	305	75.5%
1	Yes	99	24.5%

## WATER\_TANK: Water storage tank

Data file: tenant\_end.dta

### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	125	30.9%
1	Yes	279	69.1%

## SHARED: Toilet facility is private or shared

Data file: tenant\_end.dta

### Overview

Valid: 404 Invalid: Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Private	393	97.3%
2	Shared by several compounds	8	2%
3	Public/used by all	3	0.7%

## HH\_SHARING: Households that use facility

Data file: tenant\_end.dta

### Overview

Valid: 403 Invalid: 1 Minimum: 1 Maximum: 70  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 70 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1		45	11.2%
2		48	11.9%
3		62	15.4%
4		39	9.7%
5		38	9.4%
6		39	9.7%
7		32	7.9%
8		28	6.9%
9		21	5.2%
10		16	4%
11		8	2%
12		7	1.7%
13		5	1.2%
14		4	1%
15		2	0.5%
16		2	0.5%
19		2	0.5%
20		1	0.2%
26		1	0.2%
28		1	0.2%
30		1	0.2%
70		1	0.2%
Sysmiss		1	

### **BLOCK\_FLOOD: Toilet facility is flooded or blocked**

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1

Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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-999	Don't know	0	0%
0	No	384	95%
1	Yes	20	5%

### WAT\_MET: Water meter installed

Data file: tenant\_end.dta

#### Overview

Valid: 404 Invalid: Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
0	No	63	15.6%
1	Yes	341	84.4%

### MET\_WORK: Water meter in working condition

Data file: tenant\_end.dta

#### Overview

Valid: 341 Invalid: 63 Minimum: 0 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
0	No	69	20.2%
1	Yes	248	72.7%
2	Not observable	24	7%
Sysmiss		63	

### I5: Satisfaction with life

Data file: tenant\_end.dta

#### Overview

Valid: 402 Invalid: 2 Minimum: 1 Maximum: 10

Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 10    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		52	12.9%
2		39	9.7%
3		36	9%
4		29	7.2%
5		151	37.6%
6		27	6.7%
7		18	4.5%
8		14	3.5%
9		6	1.5%
10		30	7.5%
Sysmiss		2	

**I48: Satisfaction with the financial situation of your household**

Data file: tenant\_end.dta

**Overview**

Valid: 399    Invalid: 5    Minimum: 1    Maximum: 10

Type: Discrete    Decimal: 0    Width: 2    Range: 1 - 10    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		65	16.3%
2		42	10.5%
3		47	11.8%
4		64	16%
5		114	28.6%
6		14	3.5%
7		14	3.5%
8		12	3%
9		9	2.3%
10		18	4.5%
Sysmiss		5	

**I49: Income group****Data file:** tenant\_end.dta**Overview**

Valid: 400 Invalid: 4 Minimum: 1 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 2 Range: 1 - 10 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		73	18.3%
2		59	14.8%
3		61	15.3%
4		64	16%
5		95	23.8%
6		15	3.8%
7		12	3%
8		9	2.3%
9		2	0.5%
10		10	2.5%
Sysmiss		4	

**I7: I did not feel like eating; my appetite was poor****Data file:** tenant\_end.dta**Overview**

Valid: 399 Invalid: 5 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Dont Know	0	0%
-998	Refused to Answer	0	0%
1	Rarely or none of the time ( < 1 day)	243	60.9%
2	Some or a little of the time (1-2 days)	88	22.1%
3	Occasionally or a moderate amount of time (3-4 days)	46	11.5%

4	All of the time (5-7 days)	22	5.5%
Sysmiss		5	

## I10: I had trouble keeping my mind on what I was doing

Data file: tenant\_end.dta

### Overview

Valid: 399 Invalid: 5 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Dont Know	0	0%
-998	Refused to Answer	0	0%
1	Rarely or none of the time ( < 1 day)	164	41.1%
2	Some or a little of the time (1-2 days)	104	26.1%
3	Occasionally or a moderate amount of time (3-4 days)	78	19.5%
4	All of the time (5-7 days)	53	13.3%
Sysmiss		5	

## I11: I felt depressed

Data file: tenant\_end.dta

### Overview

Valid: 399 Invalid: 5 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Dont Know	0	0%
-998	Refused to Answer	0	0%
1	Rarely or none of the time ( < 1 day)	205	51.4%
2	Some or a little of the time (1-2 days)	93	23.3%
3	Occasionally or a moderate amount of time (3-4 days)	52	13%
4	All of the time (5-7 days)	49	12.3%
Sysmiss		5	

**I12: I felt that everything I did was an effort**

Data file: tenant\_end.dta

**Overview**

Valid: 401 Invalid: 3 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Dont Know	0	0%
-998	Refused to Answer	0	0%
1	Rarely or none of the time ( < 1 day)	112	27.9%
2	Some or a little of the time (1-2 days)	98	24.4%
3	Occasionally or a moderate amount of time (3-4 days)	61	15.2%
4	All of the time (5-7 days)	130	32.4%
Sysmiss		3	

**I16: My sleep was restless**

Data file: tenant\_end.dta

**Overview**

Valid: 399 Invalid: 5 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Dont Know	0	0%
-998	Refused to Answer	0	0%
1	Rarely or none of the time ( < 1 day)	214	53.6%
2	Some or a little of the time (1-2 days)	93	23.3%
3	Occasionally or a moderate amount of time (3-4 days)	51	12.8%
4	All of the time (5-7 days)	41	10.3%
Sysmiss		5	

**I23: I could not sleep out of stress.****Data file:** tenant\_end.dta**Overview**

Valid: 401 Invalid: 3 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Dont Know	0	0%
-998	Refused to Answer	0	0%
1	Rarely or none of the time ( < 1 day)	215	53.6%
2	Some or a little of the time (1-2 days)	94	23.4%
3	Occasionally or a moderate amount of time (3-4 days)	45	11.2%
4	All of the time (5-7 days)	47	11.7%
Sysmiss		3	

**I25: I could not start doing what I was supposed to do****Data file:** tenant\_end.dta**Overview**

Valid: 401 Invalid: 3 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Dont Know	0	0%
-998	Refused to Answer	0	0%
1	Rarely or none of the time ( < 1 day)	171	42.6%
2	Some or a little of the time (1-2 days)	142	35.4%
3	Occasionally or a moderate amount of time (3-4 days)	59	14.7%
4	All of the time (5-7 days)	29	7.2%
Sysmiss		3	

**I26: Most people can be trusted****Data file:** tenant\_end.dta

## Overview

Valid: 404 Invalid: Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Most people can be trusted	10	2.5%
2	Need to be very careful in dealing with people	394	97.5%

## I27: Happiness

Data file: tenant\_end.dta

## Overview

Valid: 404 Invalid: Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Very happy	90	22.3%
2	Quite happy	255	63.1%
3	Not very happy	47	11.6%
4	Not at all happy	12	3%

## I28\_A: I do not know what will happen in the future but I usually think good things wil

Data file: tenant\_end.dta

## Overview

Valid: 401 Invalid: 3 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1		193	48.1%
2		182	45.4%

3		14	3.5%
4		8	2%
5		4	1%
Sysmiss		3	

### I28\_B: It's easy for me to relax

Data file: tenant\_end.dta

#### Overview

Valid: 401 Invalid: 3 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1		98	24.4%
2		181	45.1%
3		29	7.2%
4		65	16.2%
5		28	7%
Sysmiss		3	

### I28\_C: I have bad luck all the time

Data file: tenant\_end.dta

#### Overview

Valid: 399 Invalid: 5 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1		18	4.5%
2		44	11%
3		27	6.8%
4		142	35.6%

5		168	42.1%
Sysmiss		5	

## I28\_D: I am optimistic about my future

Data file: tenant\_end.dta

### Overview

Valid: 403 Invalid: 1 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1		228	56.6%
2		153	38%
3		5	1.2%
4		11	2.7%
5		6	1.5%
Sysmiss		1	

## I28\_E: I enjoy my friends a lot

Data file: tenant\_end.dta

### Overview

Valid: 402 Invalid: 2 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1		155	38.6%
2		167	41.5%
3		24	6%
4		39	9.7%
5		17	4.2%
Sysmiss		2	

**I28\_F: I like keeping myself busy**

Data file: tenant\_end.dta

**Overview**

Valid: 403 Invalid: 1 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1		220	54.6%
2		168	41.7%
3		9	2.2%
4		6	1.5%
Sysmiss		1	

**I28\_G: I am not a lucky person**

Data file: tenant\_end.dta

**Overview**

Valid: 400 Invalid: 4 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1		24	6%
2		35	8.8%
3		29	7.3%
4		136	34%
5		176	44%
Sysmiss		4	

**I28\_H: I don't get upset too easily**

Data file: tenant\_end.dta

**Overview**

Valid: 399 Invalid: 5 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1		126	31.6%
2		138	34.6%
3		20	5%
4		62	15.5%
5		53	13.3%
Sysmiss		5	

**I28\_I: In the future I do not think my life would be good**

Data file: tenant\_end.dta

**Overview**

Valid: 400 Invalid: 4 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1		17	4.3%
2		14	3.5%
3		7	1.8%
4		148	37%
5		214	53.5%
Sysmiss		4	

**I28\_J: In the future I expect my life to be good**

Data file: tenant\_end.dta

**Overview**

Valid: 402 Invalid: 2 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1		260	64.7%
2		125	31.1%
3		4	1%
4		7	1.7%
5		6	1.5%
Sysmiss		2	

### I34: I feel that I am a person that others usually respect

Data file: tenant\_end.dta

#### Overview

Valid: 392 Invalid: 12 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1		155	39.5%
2		177	45.2%
3		40	10.2%
4		14	3.6%
5		6	1.5%
Sysmiss		12	

### I35: I feel that I have a number of good qualities

Data file: tenant\_end.dta

#### Overview

Valid: 394 Invalid: 10 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1		154	39.1%
2		195	49.5%
3		22	5.6%
4		18	4.6%
5		5	1.3%
Sysmiss		10	

### I37: I am able to do things as well as most other people

Data file: tenant\_end.dta

#### Overview

Valid: 401 Invalid: 3 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1		183	45.6%
2		183	45.6%
3		12	3%
4		19	4.7%
5		4	1%
Sysmiss		3	

### I38: I am not proud of myself

Data file: tenant\_end.dta

#### Overview

Valid: 401 Invalid: 3 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1		35	8.7%
2		59	14.7%
3		15	3.7%
4		134	33.4%
5		158	39.4%
Sysmiss		3	

### I39: I am satisfied with myself

Data file: tenant\_end.dta

#### Overview

Valid: 403 Invalid: 1 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1		215	53.3%
2		150	37.2%
3		6	1.5%
4		24	6%
5		8	2%
Sysmiss		1	

### I43: Sometimes I think that others do not respect me

Data file: tenant\_end.dta

#### Overview

Valid: 390 Invalid: 14 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 4 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't know	0	0%
1		39	10%
2		151	38.7%
3		50	12.8%
4		87	22.3%
5		63	16.2%
Sysmiss		14	

### I44: How often you feel not successful in managing life

Data file: tenant\_end.dta

#### Overview

Valid: 399 Invalid: 5 Minimum: 0 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't answer	0	0%
0	Never	74	18.5%
1	Almost Never	34	8.5%
2	Sometimes	159	39.8%
3	Fairly Often	61	15.3%
4	Very Often	71	17.8%
Sysmiss		5	

### I45: How often you feel confident about your ability to handle problems

Data file: tenant\_end.dta

#### Overview

Valid: 396 Invalid: 8 Minimum: 0 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't answer	0	0%
0	Never	22	5.6%
1	Almost Never	36	9.1%
2	Sometimes	141	35.6%
3	Fairly Often	86	21.7%
4	Very Often	111	28%
Sysmiss		8	

### I46: How often you feel that you are lucky

Data file: tenant\_end.dta

#### Overview

Valid: 397 Invalid: 7 Minimum: 0 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-999	Don't answer	0	0%
0	Never	51	12.8%
1	Almost Never	39	9.8%
2	Sometimes	137	34.5%
3	Fairly Often	88	22.2%
4	Very Often	82	20.7%
Sysmiss		7	

### I47: How often you fell that problems in your life were too many

Data file: tenant\_end.dta

#### Overview

Valid: 398 Invalid: 6 Minimum: 0 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 4 Format: Numeric

## Questions and instructions

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### CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
-999	Don't answer	0	0%
0	Never	79	19.8%
1	Almost Never	36	9%
2	Sometimes	131	32.9%
3	Fairly Often	81	20.4%
4	Very Often	71	17.8%
Sysmiss		6	

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# study\_resources

## questionnaires

### Property Owner Survey Baseline

---

title Property Owner Survey Baseline  
country Kenya  
language English  
filename property\_owner\_bl\_questionnaire.pdf

---

### Property Owner Survey Endline

---

title Property Owner Survey Endline  
country Kenya  
language English  
filename property\_owner\_end\_questionnaire.pdf

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### Property Owner Outreach Survey

---

title Property Owner Outreach Survey  
country Kenya  
language English  
filename property\_owner\_outreach\_questionnaire.pdf

---

### Tenant Survey Baseline

---

title Tenant Survey Baseline  
country Kenya  
language English  
filename tenant\_bl\_questionnaire.pdf

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### Tenant Survey Endline

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title Tenant Survey Endline  
country Kenya  
language English  
filename tenant\_end\_questionnaire.pdf

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