

SAPRIN Core Data Elements v3.2

These data elements will be incorporated into the node specific questionnaire, which will be submitted to the node specific ethical approval process.

Item	Notes
A. Base Entities	The core entities on which longitudinal data will be collected. Each entity has a dated start and end event
1. Location	A place to which geo-coordinates can be assigned

a. Type	<ul style="list-style-type: none"> i. Residential. A place of residence within the boundaries of the demographic surveillance area <ul style="list-style-type: none"> a. Flats b. Informal dwelling c. formal dwelling d. cluster housing. e. hostel ii. Health Service- facility offering health services. <ul style="list-style-type: none"> a. Clinic b. Health Centre c. Hospital d. Drop-in centre e. Place of safety f. Alternative therapy g. Traditional healers h. Hospice iii. Personal Services <ul style="list-style-type: none"> a. Salon b. Nail bar c. Health and beauty d. Spa e. Reflexology iv. Retail <ul style="list-style-type: none"> a. Shops <ul style="list-style-type: none"> i. Shopping mall ii. Retail outlets for clothing iii. Housewares iv. Showrooms v. Electronic and domestic appliances vi. Communications equipment vii. Spaza/Tuckshop viii. Hardware b. Food store <ul style="list-style-type: none"> i. Butchery ii. Bakery iii. Grocery iv. Supermarket v. Convenience Store c. Pharmacy v. Entertainment <ul style="list-style-type: none"> a. Social <ul style="list-style-type: none"> i. Restaurants ii. Bars/Shebeens/Taverns iii. Takeaways iv. Clubs v. Cinemas b. Sports <ul style="list-style-type: none"> i. Gymnasia ii. Sports clubs iii. Swimming pools iv. Stadiums vi. Industrial <ul style="list-style-type: none"> a. Factory (manufacturing of all kinds) b. Workshop <ul style="list-style-type: none"> i. Repair ii. Maintenance vii. Offices
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	<ul style="list-style-type: none"> a. Commercial space b. Professional services (e.g. engineers, solicitors, etc) <ul style="list-style-type: none"> viii. Education <ul style="list-style-type: none"> a. Creche b. Primary school c. Secondary school d. Tertiary College e. University ix. Travel <ul style="list-style-type: none"> a. Transport <ul style="list-style-type: none"> i. Petrol station ii. Bus and taxi stand iii. Parking garage b. Short stay residential <ul style="list-style-type: none"> i. Bed and Breakfast ii. Hotel iii. Campsite iv. Lodge/Guesthouse x. Public Services <ul style="list-style-type: none"> a. Government Services <ul style="list-style-type: none"> i. Police ii. Social Services iii. Licensing iv. Crematoria v. Post Office b. Parastatal <ul style="list-style-type: none"> i. Water ii. Electricity iii. Refuse disposal iv. Correctional services c. Community services <ul style="list-style-type: none"> i. Place of worship ii. Library iii. Community hall d. Stadium (non-specific public gathering) xi. Outbuilding <ul style="list-style-type: none"> a. Garage b. Carport c. External toilet d. Shed xii. Inaccessible <ul style="list-style-type: none"> a. Claimed b. Captured c. Derelict xiii. Open Space <ul style="list-style-type: none"> a. Park b. Public open space c. Building site d. Playground xiv. Other (specify)
b. State	<ul style="list-style-type: none"> i. Under construction ii. Usable iii. Broken down
c. Functional	<ul style="list-style-type: none"> i. Yes ii. No
d. Area	Village or other higher level spatial grouping of locations

e. Coordinate	Latitude and longitude on the WGS84 coordinate system
2. Household	A household resident at a location within the boundary of the surveillance area. A household is defined as a social group of one or more individual members. Resident household members share the same location as the household, non-resident household members are individuals who do not share the same location as the household, but who eat from the same pot when they are present in the household's location.
a. Identifier	A unique household identifier which the household retains irrespective of its current residence
3. Individual	Household members, where a resident is a member of a household who normally lives (i.e. intends to sleep the majority of the time) at the same location as the household; and a non-resident is a member of a household who does not normally live at the same location as the household but is nevertheless considered a member of the household.
a. Identifier	A globally unique identifier used internally to uniquely identify the individual
b. External identifier	An identifier used on data collection instruments to uniquely identify the individual, but is removed together with other personally identifiable information when data is made available for analysis
c. Surname	Family or last name
d. Alternative surname	An alternative surname (formerly) used by the individual, e.g. maiden name
e. First name 1	The first given name of the individual
f. First name 2	The second/alternative given name of the individual
g. Civilian ID number	The 13-digit South African civilian identity number
h. Citizenship	The country of which the individual is a citizen
i. Nationality	The country of origin of the individual (the country of which the person is/was a citizen by birth)
j. Contact number	Cellphone or landline
k. Sex	Male (1), female (2) or unknown (0)
l. Birth	The Birth event of this individual or the DeliveryEvent resulting in the birth of this individual if the individual enters surveillance through birth
m. EndEvent	The death event of this individual or the Observation at which this individual was last observed
n. MotherId	The unique identifier of the mother of the individual, if the mother is enumerated in the surveillance
o. FatherId	The unique identifier of the father of the individual, if the father is enumerated in the surveillance
p. MotherSurname	The surname of the mother of the individual
q. MotherFirstName	The first name/s of the mother
r. FatherSurname	The surname of the father of the individual
s. FatherFirstName	The first name/s of the father
B. Events	Demographic events that delineate episodes of observation during longitudinal surveillance
1. Migration	A change in location of usual residence
a. Date	Date of migration
b. Type	<ul style="list-style-type: none"> i. Internal (change of location within surveillance area) ii. External (change of location into/out of the surveillance area)
c. Direction	<ul style="list-style-type: none"> i. In (migration into this location) ii. Out (migration out of this location)
d. Origin	Origin of the migration (location)
e. Destination	Destination of the migration (location)
f. Unit	Individual or household

2. Birth	The birth event of an individual
a. Date	Date of birth
b. Birth weight	Birth weight as obtained from the Road to Health card in grams
c. BirthCertificate	Whether the birth certificate was observed
d. DateRegistered	The date on which the birth was registered, or null if the birth hasn't been registered yet
3. PregnancyOutcome	The end event of a pregnancy
a. Date	Date of birth
b. Type	<ul style="list-style-type: none"> i. Spontaneous abortion ii. Assisted abortion iii. Caesarean iv. Assisted v. Normal vaginal <p>Types i-ii is only applicable if the pregnancy end prior to the 28th week of pregnancy, types iii-v is applicable only on or after the 28th week of pregnancy</p>
c. Place	<ul style="list-style-type: none"> i. In a health care facility ii. Outside a health care facility, but not at home iii. At home
a. BirthAttendant	<ul style="list-style-type: none"> i. Doctor ii. Midwife iii. Traditional birth attendant iv. Lay person
b. Livebirths	The number of babies born alive resulting from this delivery
c. Stillborn	The number of still born babies resulting from this delivery
4. Death	The death of an individual
a. Date	The date of the death
b. Place	<ul style="list-style-type: none"> i. In a health care facility ii. Outside a health care facility, but not at home (road, etc) iii. At home
c. DeathCertificate	Observed
d. Verbal autopsy	WHO standard verbal autopsy questionnaire items. SAPRIN will adopt the worldwide standardised World Health Organisation (WHO) Verbal Autopsy questionnaires to determine the cause of deaths reported in the surveillance population. The latest version of the WHO Verbal Autopsy Questionnaire is 2016, edited and cognitively tested to facilitate the use of publicly available analytical software for assigning the cause of death.
5. Enumeration	The initial event at enumeration of an entity. Can only be used during the base census of the demographic surveillance, or when a new area is added to the surveillance
a. Date	Date of enumeration
6. Membership	A change in household membership
a. Date	The date of the change
b. Type	<ul style="list-style-type: none"> i. Start ii. End iii. Household dissolution
7. Household Headship	A change in the head of the household
a. Date	The date of the change
b. Type	<ul style="list-style-type: none"> i. Start ii. End
8. UnionEvent	A change in the union (conjugal relationship) between two individuals
a. Date	The date of the event

b. Type	<ul style="list-style-type: none"> i. Start ii. Marriage iii. Separation iv. Divorce v. Partner died
9. Observation	A surveillance visit at a location
a. Date	Visit date
b. Location	Location where the visit took place
c. DataCollector	The person responsible for data collection during the visit
d. Respondent	The primary respondent at the visit
C. Episodes	Used to record associations longitudinally between base entities. Episodes are always started and ended through events.
1. Residence	An episode during which an individual is resident (sleeping most of the time there) at a particular location that falls within the surveillance area. An individual can only be resident at one location at a time, i.e. residency episodes cannot overlap
a. Individual	The individual identifier
b. Location	The location identifier
c. StartEvent	The event that started the episode, can only be Enumeration, Birth, Migration (Direction: In)
d. EndEvent	The event that terminated the episode, can only be Death, Migration (Direction: Out) and Observation (in which the implication is that the individual is last known to be resident)
2. HouseholdResidence	An episode during which a household is resident at a particular location that falls within the surveillance area. A household can only be resident at one location at a time, i.e. residency episodes cannot overlap
a. Household	The household identifier
b. Location	The location identifier
c. External identifier	The identifier associated with the household during this residence
d. StartEvent	The event that started the episode, can only be Enumeration, Household formation, Migration (Direction: In)
e. EndEvent	The event that terminated the episode, can only be Household dissolution, Migration (Direction: Out) and Observation (in which the implication is that the household is last known to be resident)
3. Membership	An episode during which an individual is a member of a household. An individual must be a member of at least one household to be under surveillance. An individual can be a member of more than one household at a time (membership episodes may overlap). In the case of multiple memberships, the designated household of an individual will be the household the individual is co-resident with, ranked according to the closeness of the members relationship to the household head (self, spouse, child, grandchild, parent, sibling, other relationship)
a. Individual	The individual identifier
b. Household	The household identifier
c. StartEvent	The event that started the episode, can only be Enumeration, Birth or Membership start
d. EndEvent	The event that ended the episode, can only be Death, Membership end or Observation (implying that the membership is current)
4. Household Head Relationship	Household head relationships are linked to a household membership and record the relationship between the individual and the head of the associated household. If the head of household change, all current household members start a new household head relationship episode
a. Membership	The household membership episode associated with this household head relationship

b. Relationship	The relationship between the individual member (to whom the membership belongs) and the current household head of the household <ul style="list-style-type: none"> i. Self (the individual who is the subject of the membership is the household head) ii. Spouse (incl partner in stable relationship) iii. Child (incl adopted/foster child) iv. Son/daughter-in-law (incl individuals in stable relationship with any child of the household head) v. Grandchild vi. Parent vii. Parent-in-law (incl parent of partner in stable relationship) viii. Grandparent ix. Other relative x. Domestic worker or tenant xi. Unrelated household member
c. StartEvent	The event that started the episode. Can only be Enumeration, Birth, Membership start, or Household Headship start
d. EndEvent	The event that ended the episode. Can only be Death, Membership end, Household Headship end or Observation
5. Union	The episode during which two persons are in an informal or formal conjugal relationship. For a conjugal relationship to exist the following factors should be considered: <ul style="list-style-type: none"> i. Shelter. Do the partners live under the same roof? ii. Sexual and personal conduct. Do the partners have sexual relations; do they maintain an attitude of fidelity to each other; do they eat their meals together? iii. Services. Do they share household responsibilities? iv. Social. Do they participate together in social activities; does their society recognise them as a couple? v. Support. Do they support each other financially? vi. Children. Do they have children together?
a. Individual1	The individual identifier of one of the parties to the union. By convention this will be the female in a heterosexual union.
b. Individual2	The individual identifier of the second party to the union.
c. StartEvent	The start of the union. Can only be Enumeration or Union start
d. MarriageDate	The date on which the union has been formalised as a marriage
e. EndEvent	The end of the union. Can only be Union – partner died, Union – separation (if there is no marriage date), Union – divorce (if there is a marriage date), or Observation if it a current union
6. Pregnancy	The period of being pregnant. Also used to record maternity histories retrospectively
a. Woman	The individual identifier of the woman who experienced the pregnancy
b. ANCVisits	The number of antenatal care visits during this pregnancy
c. Duration	Duration in weeks of the pregnancy
d. Outcome	A delivery event or Observation if the pregnancy is still current at the time of observation
7. Social support	The period during which an individual receives a government social support grant
a. Grantholder	The individual identifier of the person holding the grant
b. Beneficiary	The individual identifier of the intended beneficiary of the grant. This may be the same as the identifier of the grant holder in the case where the holder is the beneficiary, e.g. old age pension, or different as in the case of care dependency grants, where the grant holder receives the grant on behalf of someone else, e.g. a child

c. Type	The type of grant <ul style="list-style-type: none"> i. Care dependency ii. Child support iii. Covid Relief Grant iv. Disability v. Foster care vi. Grant-in-aid vii. Old age Pension viii. War veterans ix. Social relief of distress x. Tertiary Education Grant xi. None xii. Don't know xiii.
d. StartDate	The start date of the social support
e. EndDate	The end date of the social support
D. StatusObservation	Information collected at a particular observation, valid only at the time of the observation. State may be imputed between consecutive status observations but is not known to be valid. This is in contrast with episode where the assertion is that the state represented by the episode is valid for the duration of the episode.
1. Individual StatusObservation	A set of data elements collected about an individual either during a face-to-face visit or telephonic interview with the individual or from a proxy informant
a. Individual	The unique individual identifier of the subject of the status observation
b. Observation	The observation at which the status observation was made
c. ResidentStatus	Physical presence in the location, recorded as the number of months since the previous observation visit
d. MotherStatus	<ul style="list-style-type: none"> i. Same household ii. Same area (village/isigodi) iii. Elsewhere in surveillance area iv. In the immediate surroundings outside surveillance area v. Elsewhere vi. Died vii. Unknown status
e. FatherStatus	<ul style="list-style-type: none"> i. Same household ii. Same area (village/isigodi) iii. Elsewhere in surveillance area iv. In the immediate surroundings outside surveillance area v. Elsewhere vi. Died vii. Unknown status
f. HighestSchoolLevel Completed	Grade 1 – 12
g. HighestNonSchool Education	<ul style="list-style-type: none"> i. Undergraduate degree ii. Postgraduate degree iii. ABET 1-4 iv. NQF 1-4

<p>h. CurrentEducation</p>	<p>If the individual is currently attending an educational institution, at what level:</p> <ul style="list-style-type: none"> i. Creche ii. Pre-school iii. Grade 1-12 iv. ABET 1-4 v. NQF 1-6 /N1-N6/NTC 1-6 vi. Undergraduate degree vii. Post-graduate degree viii. Not attending
<p>i. If 5 yrs. and below, childcarer</p>	<p>Name of childcarer</p> <p>Child attend:</p> <ul style="list-style-type: none"> i. Grade R ii. Preschool/nursery school/Grade 00/Grade 000 iii. Creche/ educare centre iv. Child is cared at home [Go to question 5.4 below] v. Home/community play group [Go to question 4 below] vi. None [Go to questions 5.3 and 5.4 below] <p>Not attending, where child spend most time in day</p> <ul style="list-style-type: none"> i. At home with parent, foster parent or guardian. ii. At home with another adult iii. At home with someone younger than 18 years iv. At someone else's dwelling v. Other (specify) <p>Main reason child cared at home</p> <ul style="list-style-type: none"> i. Prefer that the child stays at home/with someone else. ii. These facilities do not exist in our area. iii. Too expensive. iv. Other
<p>j. Currently employed</p>	<ul style="list-style-type: none"> i. Yes ii. Part-time iii. No
<p>k. Not employed</p>	<p>Type/reason for unemployment</p> <ul style="list-style-type: none"> i. Awaiting the season for work ii. Caring for others/household duties iii. Looking for work iv. Student or in training v. Health reasons vi. Disabled or unable to work (handicapped) vii. Pregnancy viii. Retired or too old ix. Don't want to work x. Other reason (specify_____) xi.

l. EmploymentSector	<ul style="list-style-type: none"> i. Agriculture/Fishing/Forestry ii. Mining iii. Manufacturing iv. Electricity and water v. Construction vi. Wholesale/retail vii. Restaurant/Hotels/Sport/Tourism viii. Transport and communication. ix. Finance x. Educational services xi. Health services xii. Legal services xiii. Research xiv. Domestic services xv. Armed forces xvi. Informal sector, e.g. street vendor xvii.
m. EmploymentType	<ul style="list-style-type: none"> i. Self-employed ii. Employee iii.
n. Employer	<ul style="list-style-type: none"> i. Central government ii. Provincial government iii. Local / regional authority iv. Public corporation v. Private sector employer vi. Non-profit institution vii.
o. FinancialStatus	<p>Self-reported financial status</p> <ul style="list-style-type: none"> i. Very Comfortable ii. Comfortable iii. Just Getting By iv. Poor v. Extremely Poor
p. MaritalStatus	<ul style="list-style-type: none"> i. Not married ii. Monogamous Marriage iii. Polygamous Marriage iv. Divorced/Separated v. Widowed
q. PartnershipStatus	<ul style="list-style-type: none"> i. Marital Partnership ii. Regular Partnership iii. Casual Partnership(s) iv. No Partnership
r. HealthStatus	<p>Self-reported health status</p> <ul style="list-style-type: none"> i. Very Good ii. Good iii. Moderate iv. Bad v. Very Bad
s. Little interest or pleasure in doing things in last 2 weeks	<ul style="list-style-type: none"> i. Not at all ii. Several days iii. More than half the days iv. Nearly every day

t. Feeling down, depressed, or hopeless in last 2 weeks	<ul style="list-style-type: none"> i. Not at all ii. Several days iii. More than half the days iv. Nearly every day
u. Ever been admitted	<ul style="list-style-type: none"> Government or private hospital (Yes/No) Visted out-patient dept at govt or private hospital (Yes/No) Visted govt health clinic or private doctor (Yes/No) Visited pharmacy/chemist (Yes/No) Visted traditional healer (Yes/No)
v. Tuberculosis	<ul style="list-style-type: none"> i. Ever treated - Yes/No ii. Treatment started in last 12 months – Yes/No iii. Currently on TB treatment – Yes/No
w. HIV	<ul style="list-style-type: none"> i. Ever received a test result for HIV - Yes/No ii. Ever had a positive HIV result – Yes/No
x. If HIV+	<ul style="list-style-type: none"> i. When first HIV+ result (>1yr, <1yr ago) ii. When last HIV- result (>1yr, <1yr ago) iii. When first started ART (Never, <1yr, >1yr) iv. Currently on ART (Yes/No)
y. If HIV-	<ul style="list-style-type: none"> i. When last HIV- result (>1yr, <1yr ago)
z. HIVResult	HIV serostatus from dried blood spot
aa. Hypertension	<ul style="list-style-type: none"> i. Ever treated - Yes/No ii. Treatment started in last 12mos iii. Currently on treatment
bb. Diabetes	<ul style="list-style-type: none"> i. Ever treated - Yes/No ii. Treatment started in last 12mos - Yes/No iii. Currently on treatment - Yes/No
cc. Health care utilisation	<ul style="list-style-type: none"> i. Admitted to hospital past month - Yes/No ii. Visited a clinic past month – Yes/No iii. Visited private doctor past month – Yes/No iv. Used pharmacy/chemist past month – Yes/No v. Visited traditional healer past month – Yes/No
dd. Vaccination history (child <=6yr)	<p>For each vaccination record: date received and source of information (Road to Health Card or recall)</p> <ul style="list-style-type: none"> i. At birth – BCG & Polio 0 ii. At 6w – Polio1, DTab+IPV+HiB1, HepB1, Rota1, PCV1 iii. At 10w – DtaP+IPV+Hib2, HepB2 iv. At 14w – DtaP+IPV+Hib3, HepB3, Rota2, PCV2 v. At 9mos – Measles1, PCV3 vi. At 18mos – DtaP+IPV+Hib4, Measles2 vii. At 6yr - DT

<p>ee. Adult vaccination</p>	<p>Ever vaccinated</p> <ul style="list-style-type: none"> i. Tetanus and diphtheria (and pertussis) (often around age 12 or during pregnancy) ii. Human Papilloma virus (often around age 9). If queried: “the HPV vaccine is an injection given in the thigh or the upper arm when you are in Grade 4 at school as a protection against cervical cancer” iii. Hepatitis B (sometimes given during pregnancy) iv. Influenza v. Covid-19 vi. Other, specify vii. None <p>Vaccinated past 12 months</p> <ul style="list-style-type: none"> i. Tetanus and diphtheria (and pertussis) ii. Human Papilloma virus (HPV) iii. Hepatitis B iv. Influenza v. Covid-19 vi. Other, specify <p>Agree to be vaccinated (or get vaccinated again) for Covid-19</p> <ul style="list-style-type: none"> i. Definitely would ii. Probably would iii. Probably would not iv. Definitely would not <p>Reasons to choose to get [another] vaccine for Covid-19</p> <ul style="list-style-type: none"> i. To protect others in my family ii. To protect my community from COVID-19 iii. To protect myself from getting sick with COVID-19 iv. I have a chronic health condition v. If my doctor, nurse, or health worker recommends it vi. It would be the best way to avoid getting seriously ill from COVID-19 vii. It would allow me to feel safe around other people viii. Life won’t go back to normal until most people are vaccinated ix. Other, specify x. None <p>Reasons to choose NOT to get [another] vaccine for Covid-19</p> <ul style="list-style-type: none"> i. I am allergic to vaccines ii. I don’t like needles iii. I don’t get vaccines in general iv. People in my community do not get vaccines in general v. I’m not concerned about getting ill from the coronavirus vi. I would be concerned about getting infected with the coronavirus from the vaccine vii. I am concerned about side effects from the vaccine viii. I don’t think that the vaccine will work ix. The coronavirus outbreak is not as serious as some people say it is x. It might be expensive xi. It will be too late because we will have already been infected xii. I expect vaccination site will require long/expensive travel xiii. I expect vaccination site will be open inconvenient hours/require long wait times. xiv. I expect that the vaccination site would not have vaccines. xv. Other, specify. xvi. None
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	<p>Reasons that would make you more likely to get [another] vaccine for Covid-19</p> <ol style="list-style-type: none"> i. If my employer required me to get one ii. If I needed to have a vaccine to access health services iii. If I needed to have a vaccine to get into shops and restaurants iv. If I could get paid time off to get vaccinated v. If the government made a vaccine mandatory vi. If I didn't have to go too far to get the vaccine vii. If the vaccine was proven to be safe viii. If it was recommended to me by a religious or community leader ix. To stop following COVID-19 guidelines x. If it was available through a regular vaccination campaign xi. If childcare was available whilst I get my vaccine xii. If there was an incentive (e.g. food, phone credit) xiii. If I could choose the brand of vaccine xiv. Nothing would make me more likely to get a COVID-19 vaccine xv. Other, specify <p>Where would you prefer to get [another] vaccine for Covid-19</p> <ol style="list-style-type: none"> i. Hospital ii. Health centres iii. Community centre/meeting hall/local shop/hall iv. Workplace v. Pharmacy vi. Mobile vaccination centre vii. Dedicated vaccination centre viii. Place of worship ix. None, I would not get a COVID-19 vaccine anywhere x. Other, specify
<p>2. Household Status Observation</p>	<p>Set of data elements collected from a household informant, during a face to face or telephonic interview</p>
<p>a. Water source</p>	<p>The most commonly used (during last year) source of drinking water</p> <ol style="list-style-type: none"> i. Piped (tap) water in the dwelling/house ii. Piped (tap) water in yard iii. Borehole in yard iv. Rain-water tank in yard v. Neighbour's tap vi. Public/communal tap vii. Water-carrier/tanker viii. Water vendor ix. Borehole outside yard x. Flowing water/stream/river xi. Stagnant water/dam/pool xii. Well xiii. Spring xiv. Other (specify) xv. xvi. <p>Distance of water source from dwelling/house if not in yard</p> <ol style="list-style-type: none"> i. Less than 200 metres ii. 201-500 metres iii. 502 metres- 1kilometre iv. More than 1 kilometre v. Don't know

<p>b. Toilet</p>	<p>What kind of toilet does the household use</p> <ul style="list-style-type: none"> i. Flush toilet connected to a public sewerage system ii. Flush toilet connected to a septic or conservancy tank iii. Pour flush toilet connected to a septic tank (or septage pit) iv. Chemical toilet v. Pit latrine/toilet with ventilation pipe (VIP) vi. Pit latrine/toilet without ventilation pipe vii. Bucket toilet viii. Ecological sanitation systems (e.g. urine diversion) ix. Open defecation (e.g. no facilities, field, bush) x. Other (specify) xi. xii.
<p>c. Electricity supply</p>	<p>Is the household connected to the electricity grid?</p> <ul style="list-style-type: none"> i. Yes, interconnected grid electricity ii. Yes, off grid (generator, solar, other electricity sources) iii. No iv.

<p>d. Cooking fuel</p>	<p>What is the main fuel used for cooking?</p> <ul style="list-style-type: none"> i. Electricity from grid ii. Solar energy iii. Generator energy iv. Gas (LPG) v. Paraffin vi. Wood vii. Coal viii. Animal dung ix. None x. Other, specify. xi. <p>Alternative cooking energy during loadshedding</p> <ul style="list-style-type: none"> i. Solar energy ii. Generator energy iii. Gas (LPG) iv. Paraffin v. Wood vi. Coal vii. Animal dung viii. None ix. Other, specify. <p>Alternative lighting energy during loadshedding</p> <ul style="list-style-type: none"> i. Solar energy ii. Generator energy iii. Gas (LPG) iv. Paraffin v. Candles vi. Battery operated light vii. None viii. Other, specify. <p>Main alternative source of energy during loadshedding if grid electricity is main source</p> <ul style="list-style-type: none"> i. Generator ii. Inverter operated from batteries charged when there is grid electricity. iii. Inverter operated from batteries charged from solar panels and/or wind. iv. Battery operated equipment or power bank v. None vi. Other, specify.
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<p>e. Location construction</p>	<p>What is the construction materials of the walls?</p> <ol style="list-style-type: none"> i. Brick ii. Cement block/concrete iii. Corrugated iron/zinc iv. Wood v. Plastic vi. Cardboard vii. Mud and cement mix viii. Wattle and daub ix. Tile x. Mud xi. Thatching/ grass xii. Asbestos xiii. Other (specify <p>What is the construction materials of the roof?</p> <ol style="list-style-type: none"> i. Cement block/concrete ii. Corrugated iron/zinc iii. Wood iv. Plastic v. Cardboard vi. Mud and cement mix vii. Wattle and daub viii. Tile ix. Mud x. Thatching/ grass xi. Asbestos xii. Other (specify <p>What is the construction material of the floor?</p> <ol style="list-style-type: none"> i. Earth/Sand ii. Dung iii. Wood/ Planks iv. Parquet/ polished wood v. Vinyl or asphalt strips vi. Ceramic tiles vii. Cement viii. Carpet <p>Other (specify How many bedrooms does your household occupy at this location?</p>																						
<p>f. Assets</p>	<p>Does the household have any of the following items in good working order?</p> <table border="0"> <tr> <td>i. Television set</td> <td>xii. Electric Stove/ Gas Stove</td> </tr> <tr> <td>ii. Swimming pool</td> <td>xiii. Microwave Oven</td> </tr> <tr> <td>iii. DVD player/ Blu ray player</td> <td>xiv. Built-in Kitchen sink</td> </tr> <tr> <td>iv. Pay TV (M-Net/DSTV/ Top TV) Subscription</td> <td>xv. Home security service</td> </tr> <tr> <td>v. Air c\conditioner (excluding fans)</td> <td>xvi. Home theatre system/ Hifi/Stereo</td> </tr> <tr> <td>vi. Computer/Desktop/ laptop</td> <td>xvii. Geyser (providing hot water)</td> </tr> <tr> <td>vii. Vacuum cleaner/ floor polisher</td> <td>xviii. Landline telephone</td> </tr> <tr> <td>viii. Dish washing machine</td> <td>xix. Cellphone smartphone</td> </tr> <tr> <td>ix. Tumble dryer</td> <td>xx. Livestock</td> </tr> <tr> <td>x. Fridge/Freezer</td> <td>xxi. Car or Bakkie</td> </tr> <tr> <td>xi.</td> <td>xxii.</td> </tr> </table>	i. Television set	xii. Electric Stove/ Gas Stove	ii. Swimming pool	xiii. Microwave Oven	iii. DVD player/ Blu ray player	xiv. Built-in Kitchen sink	iv. Pay TV (M-Net/DSTV/ Top TV) Subscription	xv. Home security service	v. Air c\conditioner (excluding fans)	xvi. Home theatre system/ Hifi/Stereo	vi. Computer/Desktop/ laptop	xvii. Geyser (providing hot water)	vii. Vacuum cleaner/ floor polisher	xviii. Landline telephone	viii. Dish washing machine	xix. Cellphone smartphone	ix. Tumble dryer	xx. Livestock	x. Fridge/Freezer	xxi. Car or Bakkie	xi.	xxii.
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<p>g. Household access to internet</p>	<p>i. From a network at home ii. From household members' cellphone(s) iii. From a network at work iv. From elsewhere (e.g. internet café) v. No access to internet</p>
<p>h. Household agricultural activity</p>	<p>i. Livestock production (cattle goats, sheep, pigs, etc) ii. Poultry production (chickens, ducks, geese, guinea fowl, ostrich, etc) iii. Vegetable production iv. Production of crops (grains, fruits, sugarcane, etc) v. Fodder grazing /pasture/grass for animals vi. Other vii. None</p>
<p>i. Crime</p>	<p>Has any resident member of the household been a victim of any of these crimes in the past 12 months?</p> <p>i. None ii. Theft iii. Assault iv. Murder v. Other crime</p>
<p>j. Financial situation</p>	<p>How would the household classify its financial situation these days?</p> <p>i. Very comfortable ii. Comfortable iii. Just getting by iv. Poor v. Extremely poor</p>

<p>k. Food security</p>	<p>Last 12 months:</p> <p>Worry about not enough</p> <ul style="list-style-type: none"> i. Yes ii. No iii. Don't know <p>Unable to eat healthy and nutritious</p> <ul style="list-style-type: none"> i. Yes ii. No iii. Don't know <p>Ate only a few kinds of foods</p> <ul style="list-style-type: none"> i. Yes ii. No iii. Don't know <p>Skipped a meal</p> <ul style="list-style-type: none"> i. Yes ii. No iii. Don't know <p>Ate less than thought</p> <ul style="list-style-type: none"> i. Yes ii. No iii. Don't know <p>Ran out of food</p> <ul style="list-style-type: none"> i. Yes ii. No iii. Don't know <p>Hungry but not eat</p> <ul style="list-style-type: none"> i. Yes ii. No iii. Don't know <p>Didn't eat all day</p> <ul style="list-style-type: none"> i. Yes ii. No iii. Don't know <p>Children skipped or cut meal size</p> <ul style="list-style-type: none"> i. Yes ii. No iii. Don't know
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