

## SAPRIN Core Data Elements v2.7

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

<p>a. Type</p>	<p>i. <b>Residential:</b></p> <ul style="list-style-type: none"> <li>a. Flats</li> <li>b. Informal dwelling</li> <li>c. Formal dwelling</li> <li>d. Cluster housing</li> <li>e. Hostel</li> <li>f. Security village</li> <li>g. Gated compound</li> </ul> <p>ii. <b>Health service:</b></p> <ul style="list-style-type: none"> <li>a. Clinic</li> <li>b. Health Centre</li> <li>c. Hospital</li> <li>d. Drop-in centre</li> <li>e. Place of safety</li> <li>f. Alternative therapy</li> <li>g. Traditional healers</li> <li>h. Hospice</li> </ul> <p>iii. <b>Personal Services:</b></p> <ul style="list-style-type: none"> <li>a. Salon</li> <li>b. Nail bar</li> <li>c. Health and beauty</li> <li>d. Spa,</li> <li>e. Reflexology</li> </ul> <p>iv. <b>Retail:</b></p> <ul style="list-style-type: none"> <li>a. <b>Shops:</b> <ul style="list-style-type: none"> <li>i. shopping mall,</li> <li>ii. retail outlets for clothing</li> <li>iii. housewares</li> <li>iv. showrooms</li> <li>v. electronic and domestic appliances</li> <li>vi. communications equipment</li> <li>vii. data,</li> <li>viii. hardware</li> </ul> </li> <li>b. <b>Food stores:</b> <ul style="list-style-type: none"> <li>i. Butchery</li> <li>ii. Bakery</li> <li>iii. Grocery</li> <li>iv. Supermarket</li> <li>v. convenience store</li> </ul> </li> <li>c. <b>Pharmacy</b></li> </ul> <p>v. <b>Entertainment:</b></p> <ul style="list-style-type: none"> <li>a. <b>Social:</b> <ul style="list-style-type: none"> <li>i. Restaurants</li> <li>ii. Bars/Shebeens/Taverns</li> <li>iii. Takeaways</li> <li>iv. Clubs</li> <li>v. Cinemas</li> </ul> </li> <li>b. <b>Sports:</b> <ul style="list-style-type: none"> <li>i. Gymnasias</li> <li>ii. Sports clubs</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li>iii. Swimming pools</li> <li>iv. Stadiums</li> </ul>
	<ul style="list-style-type: none"> <li>vi. <b>Industrial:</b> <ul style="list-style-type: none"> <li>a. Factory (manufacturing of all kinds)</li> <li>b. <b>Workshop:</b> <ul style="list-style-type: none"> <li>i. Repair</li> <li>ii. Maintenance</li> </ul> </li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>vii. <b>Offices:</b> <ul style="list-style-type: none"> <li>a. Commercial space</li> <li>b. Professional services (e.g., engineers, solicitors, etc.)</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>viii. <b>Education:</b> <ul style="list-style-type: none"> <li>a. Creche</li> <li>b. Primary School</li> <li>c. Secondary School</li> <li>d. Tertiary College</li> <li>e. University</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>ix. <b>Travel related:</b> <ul style="list-style-type: none"> <li>a. <b>Transport:</b> <ul style="list-style-type: none"> <li>i. Petrol stations</li> <li>ii. Bus and taxi stand</li> <li>iii. Parking garages,</li> <li>iv. Airlines</li> </ul> </li> <li>b. <b>Short stay residential:</b> <ul style="list-style-type: none"> <li>i. Bed and breakfast</li> <li>ii. Formal hotel</li> <li>iii. Campsite</li> <li>iv. Lodge</li> <li>v. Guest house shop</li> </ul> </li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>x. <b>Public Services:</b> <ul style="list-style-type: none"> <li>a. <b>Other government services:</b> <ul style="list-style-type: none"> <li>i. Police</li> <li>ii. Social services</li> <li>iii. Licensing</li> <li>iv. Crematoria</li> <li>v. Post office</li> </ul> </li> <li>b. <b>Parastatal:</b> <ul style="list-style-type: none"> <li>i. Water</li> <li>ii. Electricity</li> <li>iii. Refuse disposal</li> <li>iv. Correctional services</li> </ul> </li> <li>c. <b>Community services:</b> <ul style="list-style-type: none"> <li>i. Church</li> <li>ii. Library</li> <li>iii. Community hall</li> </ul> </li> <li>d. <b>Stadium (non-specific public gathering)</b></li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>xi. <b>Outbuilding:</b> <ul style="list-style-type: none"> <li>a. Garage</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>b. Carport</li> <li>c. External toilet</li> <li>d. Shed</li> </ul> <p><b>xii. Inaccessible:</b></p> <ul style="list-style-type: none"> <li>a. Claimed</li> <li>b. Captured</li> <li>c. Derelict</li> </ul> <p><b>xiii. Open Space:</b></p> <ul style="list-style-type: none"> <li>a. Park</li> <li>b. Public open space</li> <li>c. Building site</li> <li>d. Playground</li> </ul> <p><b>xiv. Other (specify)</b></p>
b. Area	Village or other higher level spatial grouping of locations
c. 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 dwelling as the household, non-resident household members are individuals who do not share the same dwelling as the household, but who eat from the same pot when they are present in the household's dwelling.
a. Identifier	A unique household identifier which the household retains irrespective of its current residence
3. Individual	Household members, where a <b>resident</b> is a member of a household who normally lives (i.e. intends to sleep the majority of the time) at the same dwelling as the household; and a <b>non-resident</b> is a member of a household who does not normally live at the same dwelling 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. Sex	Male (1), female(2) or unknown(0)
k. Birth	The Birth event of this individual or the DeliveryEvent resulting in the birth of this individual if the individual enters surveillance through birth
l. EndEvent	The death event of this individual or the Observation at which this individual was last observed
m. MotherId	The unique identifier of the mother of the individual, if the mother is enumerated in the surveillance
n. FatherId	The unique identifier of the father of the individual, if the father is enumerated in the surveillance

o. MotherSurname	The surname of the mother of the individual
p. MotherFirstName	The first name/s of the mother
q. FatherSurname	The surname of the father of the individual
r. FatherFirstName	The first name/s of the father
<b>B. Events</b>	<b>Demographic events that delineate episodes of observation during longitudinal surveillance</b>
<b>1. Migration</b>	<b>A change in location of usual residence</b>
a. Date	Date of migration
b. Type	<ul style="list-style-type: none"> <li>i. Internal (change of location within surveillance area)</li> <li>ii. External (change of location into/out of the surveillance area)</li> </ul>
c. Direction	<ul style="list-style-type: none"> <li>i. In (migration into this location)</li> <li>ii. Out (migration out of this location)</li> </ul>
d. Origin	Origin of the migration (location)
e. Destination	Destination of the migration (location)
f. Unit	Individual or household
<b>2. Birth</b>	<b>The birth event of an individual</b>
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
<b>3. PregnancyOutcome</b>	<b>The end event of a pregnancy</b>
a. Date	Date of birth
b. Type	<ul style="list-style-type: none"> <li>i. Spontaneous abortion</li> <li>ii. Assisted abortion</li> <li>iii. Caesarean</li> <li>iv. Assisted</li> <li>v. Normal vaginal</li> </ul> <p>Types i-ii is only applicable if the pregnancy end prior to the 28<sup>th</sup> week of pregnancy, types iii-v is applicable only on or after the 28<sup>th</sup> week of pregnancy</p>
c. Place	<ul style="list-style-type: none"> <li>i. In a health care facility</li> <li>ii. Outside a health care facility, but not at home</li> <li>iii. At home</li> </ul>
a. BirthAttendant	<ul style="list-style-type: none"> <li>i. Doctor</li> <li>ii. Midwife</li> <li>iii. Traditional birth attendant</li> <li>iv. Lay person</li> </ul>
b. LiveBirths	The number of babies born alive resulting from this delivery
c. Stillborn	The number of still born babies resulting from this delivery
<b>4. Death</b>	<b>The death of an individual</b>
a. Date	The date of the death
b. Place	<ul style="list-style-type: none"> <li>i. In a health care facility</li> <li>ii. Outside a health care facility, but not at home (road, etc)</li> <li>iii. At home</li> </ul>
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"> <li>i. Start</li> <li>ii. End</li> <li>iii. Household dissolution</li> </ul>
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"> <li>i. Start</li> <li>ii. End</li> </ul>
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"> <li>i. Start</li> <li>ii. Marriage</li> <li>iii. Separation</li> <li>iv. Divorce</li> <li>v. Partner died</li> </ul>
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	<p>The relationship between the individual member (to whom the membership belongs) and the current household head of the household</p> <ul style="list-style-type: none"> <li>i. Self (the individual who is the subject of the membership is the household head)</li> <li>ii. Spouse (incl partner in stable relationship)</li> <li>iii. Child (incl adopted/foster child)</li> <li>iv. Son/daughter-in-law (incl individuals in stable relationship with any child of the household head)</li> <li>v. Grandchild</li> <li>vi. Parent</li> <li>vii. Parent-in-law (incl parent of partner in stable relationship)</li> <li>viii. Grandparent</li> <li>ix. Other relative</li> <li>x. Domestic worker or tenant</li> <li>xi. Unrelated household member</li> </ul>
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	<p>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:</p> <ul style="list-style-type: none"> <li>i. Shelter. Do the partners live under the same roof?</li> <li>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?</li> <li>iii. Services. Do they share household responsibilities?</li> <li>iv. Social. Do they participate together in social activities; does their society recognise them as a couple?</li> <li>v. Support. Do they support each other financially?</li> <li>vi. Children. Do they have children together?</li> </ul>
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"> <li>i. Old age</li> <li>ii. Disability</li> <li>iii. War veterans</li> <li>iv. Care dependency</li> <li>v. Foster child</li> <li>vi. Child support</li> <li>vii. Grant-in-aid</li> </ul>
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 dwelling, recorded as the number of months since the previous observation visit
d. MotherStatus	<ul style="list-style-type: none"> <li>i. Same household</li> <li>ii. Same area (village/isigodi)</li> <li>iii. Elsewhere in surveillance area</li> <li>iv. In the immediate surroundings outside surveillance area</li> <li>v. Elsewhere</li> <li>vi. Died</li> <li>vii. Unknown status</li> </ul>
e. FatherStatus	<ul style="list-style-type: none"> <li>i. Same household</li> <li>ii. Same area (village/isigodi)</li> <li>iii. Elsewhere in surveillance area</li> <li>iv. In the immediate surroundings outside surveillance area</li> <li>v. Elsewhere</li> <li>vi. Died</li> <li>vii. Unknown status</li> </ul>
f. HighestSchoolLevel Completed	Grade 1 – 12
g. HighestNonSchool Education	<ul style="list-style-type: none"> <li>i. Undergraduate degree</li> <li>ii. Postgraduate degree</li> <li>iii. ABET 1-4</li> <li>iv. NQF 1-4</li> </ul>
h. CurrentEducation	If the individual is currently attending an educational institution, at what level: <ul style="list-style-type: none"> <li>i. Creche</li> <li>ii. Pre-school</li> <li>iii. Grade 1-12</li> <li>iv. ABET 1-4</li> <li>v. NQF 1-4</li> <li>vi. Undergraduate degree</li> <li>vii. Post-graduate degree</li> <li>viii. Not attending</li> </ul>
i. Currently employed	<ul style="list-style-type: none"> <li>i. Yes</li> <li>ii. Part-time</li> <li>iii. No</li> </ul>

j. Not employed	Type/reason for unemployment <ul style="list-style-type: none"> <li>i. Caring for others/household duties</li> <li>ii. Looking for work</li> <li>iii. Student or in training</li> <li>iv. Unable to work due to illness/disability</li> <li>v. Other reason</li> </ul>
k. EmploymentSector	<ul style="list-style-type: none"> <li>i. Agriculture/Fishing/Forestry</li> <li>ii. Mining</li> <li>iii. Manufacturing</li> <li>iv. Electricity and water</li> <li>v. Construction</li> <li>vi. Wholesale/retail</li> <li>vii. Restaurant/Hotels/Sport/Tourism</li> <li>viii. Transport and communication</li> <li>ix. Finance</li> <li>x. Educational services</li> <li>xi. Health services</li> <li>xii. Legal services</li> <li>xiii. Research</li> <li>xiv. Domestic services</li> <li>xv. Armed forces</li> <li>xvi. Informal sector, e.g. street vendor</li> </ul>
l. EmploymentType	<ul style="list-style-type: none"> <li>i. Works as employee</li> <li>ii. Work for themselves</li> <li>iii. Do odd jobs/piece jobs</li> </ul>
m. Employer	<ul style="list-style-type: none"> <li>i. Central government</li> <li>ii. Provincial administration</li> <li>iii. Local / regional authority</li> <li>iv. Public corporation</li> <li>v. Private sector employer</li> <li>vi. Non-profit institution</li> <li>vii. Self-employment</li> <li>viii. Another household member</li> </ul>
n. FinancialStatus	Self-reported financial status <ul style="list-style-type: none"> <li>i. Very Comfortable</li> <li>ii. Comfortable</li> <li>iii. Just Getting By</li> <li>iv. Poor</li> <li>v. Extremely Poor</li> </ul>
o. MaritalStatus	<ul style="list-style-type: none"> <li>i. Never married</li> <li>ii. Married</li> <li>iii. Polygamous Marriage</li> <li>iv. Divorced/Separated</li> <li>v. Widowed</li> </ul>
p. PartnershipStatus	<ul style="list-style-type: none"> <li>i. Marital Partnership</li> <li>ii. Regular Partnership</li> <li>iii. Casual Partnership(s)</li> <li>iv. No Partnership</li> </ul>
q. HealthStatus	Self-reported health status <ul style="list-style-type: none"> <li>i. Excellent, Very Good or Good</li> <li>ii. Fair</li> <li>iii. Poor</li> </ul>
r. Tuberculosis	<ul style="list-style-type: none"> <li>i. Ever treated - Yes/No</li> <li>ii. Treatment started in last 12 months – Yes/No</li> <li>iii. Currently on TB treatment – Yes/No</li> </ul>

s. HIV	i. Ever received a test result for HIV - Yes/No ii. Ever had a positive HIV result – Yes/No
t. If HIV+	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)
u. If HIV-	i. When last HIV- result (>1yr, <1yr ago)
v. HIVResult	HIV serostatus from dried blood spot
w. Hypertension	i. Ever treated - Yes/No ii. Treatment started in last 12mos iii. Currently on treatment
x. Diabetes	i. Ever treated - Yes/No ii. Treatment started in last 12mos - Yes/No iii. Currently on treatment - Yes/No
y. Health care utilisation	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
z. Vaccination history (child <=6yr)	For each vaccination record: date received and source of information (Road to Health Card or recall) 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
aa.	
2. Household Status Observation	Set of data elements collected from a household informant, during a face to face or telephonic interview
a. Water source	The most commonly used (during last year) source of drinking water i. Piped – to stand/house ii. Piped – Public tap/kiosk iii. Borehole/well iv. Rainwater v. Flowing river/stream vi. Dam/standing water vii. Protected spring viii. Water carrier or tanker
b. Toilet	What kind of toilet does the household use i. Flush ii. Ventilated improved pit iii. Other pit iv. Bucket v. Chemical
c. Electricity supply	Is the household connected to the electricity grid? i. Yes ii. No

d. Cooking fuel	<p>What is the main fuel used for cooking?</p> <ul style="list-style-type: none"> <li>i. Wood</li> <li>ii. Gas (LPG)</li> <li>iii. Coal</li> <li>iv. Electricity</li> </ul>																												
e. Dwelling construction	<p>What is the construction materials of the walls?</p> <ul style="list-style-type: none"> <li>i. Brick</li> <li>ii. Cement</li> <li>iii. Other modern building material</li> <li>iv. Stabilised mud</li> <li>v. Traditional mud</li> <li>vi. Wood</li> <li>vii. Other informal structures</li> </ul> <p>What is the construction material of the floor?</p> <ul style="list-style-type: none"> <li>i. Tiles</li> <li>ii. Cement</li> <li>iii. Modern carpet</li> <li>iv. Wood</li> <li>v. Other modern material</li> <li>vi. Dirt</li> <li>vii. Mat</li> <li>viii. Other traditional</li> </ul> <p>How many bedrooms does your household occupy at this dwelling?</p>																												
f. Assets	<p>Does the household have any of the following items in good working order?</p> <table border="0"> <tbody> <tr> <td>i. Telephone</td><td>xiv. Car or Bakkie</td></tr> <tr> <td>ii. Cellphone</td><td>xv. Motorcycle/Scooter</td></tr> <tr> <td>iii. Primus Cooker, Siken</td><td>xvi. Bicycle</td></tr> <tr> <td>iv. Electric hot plate</td><td>xvii. Kombi/Lorry/Tractor</td></tr> <tr> <td>v. Electric stove with oven</td><td>xviii. Bed</td></tr> <tr> <td>vi. Gas Cooker</td><td>xix. Table and chairs</td></tr> <tr> <td>vii. Fridge/Freezer</td><td>xx. Sofa/Sofa set</td></tr> <tr> <td>viii. Electric kettle</td><td>xxi. Kitchen sink</td></tr> <tr> <td>ix. Television set</td><td>xxii. Car battery for Electricity</td></tr> <tr> <td>x. Video cassette recorder/DVD</td><td>xxiii. Wheelbarrow</td></tr> <tr> <td>xi. Radio/Stereo</td><td>xxiv. Hoe, Spade or Garden Fork</td></tr> <tr> <td>xii. Sewing machine</td><td>xxv. Bed Nets</td></tr> <tr> <td>xiii. Block maker</td><td>xxvi. Cattle</td></tr> <tr> <td></td><td>xxvii. Other Livestock (chickens etc)</td></tr> </tbody> </table>	i. Telephone	xiv. Car or Bakkie	ii. Cellphone	xv. Motorcycle/Scooter	iii. Primus Cooker, Siken	xvi. Bicycle	iv. Electric hot plate	xvii. Kombi/Lorry/Tractor	v. Electric stove with oven	xviii. Bed	vi. Gas Cooker	xix. Table and chairs	vii. Fridge/Freezer	xx. Sofa/Sofa set	viii. Electric kettle	xxi. Kitchen sink	ix. Television set	xxii. Car battery for Electricity	x. Video cassette recorder/DVD	xxiii. Wheelbarrow	xi. Radio/Stereo	xxiv. Hoe, Spade or Garden Fork	xii. Sewing machine	xxv. Bed Nets	xiii. Block maker	xxvi. Cattle		xxvii. Other Livestock (chickens etc)
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g. Crime	<p>Has any resident member of the household been a victim of any of these crimes in the past 12 months?</p> <ul style="list-style-type: none"> <li>i. None</li> <li>ii. Theft</li> <li>iii. Assault</li> <li>iv. Murder</li> <li>v. Other crime</li> </ul>																												
h. Financial situation	<p>How would the household classify its financial situation these days?</p> <ul style="list-style-type: none"> <li>i. Very comfortable</li> <li>ii. Comfortable</li> <li>iii. Just getting by</li> <li>iv. Poor</li> <li>v. Extremely poor</li> </ul>																												

i. Food security	<p>In the last 12 months did you or any other member of your household ever cut the size of your meals or skip meals because there was not enough money for food?</p> <p>i. Yes – how often (Almost every month, some months but not all, only once or twice)</p> <p>ii. No</p>
<b>3. Covid-19</b>	<b>Set of data elements on Covid-19 Surveillance collected from a household informant or individual during a face to face or telephonic interview</b>
a. Household actions as result of Covid-19	<p>i. Avoided crowded areas</p> <p>ii. Avoided socializing</p> <p>iii. Avoided church</p> <p>iv. Avoided going shopping (markets, stores)</p> <p>v. Avoided going to restaurants/bars/pubs</p> <p>vi. Avoided going to doctor/health centre/clinic</p> <p>vii. Avoided going to school/university</p> <p>viii. Avoided taking taxis</p> <p>ix. Avoided going outside</p> <p>x. Avoided going to work</p> <p>xi. Avoided travelling long distances</p> <p>xii. Tried to avoid physical contact with people</p> <p>xiii. Avoided family members</p> <p>xiv. Avoided friends</p> <p>xv. Washed hands more often</p> <p>xvi. Avoided touching own face</p> <p>xvii. Used face masks</p> <p>xviii. Used gloves</p> <p>xix. Used hand sanitizer</p> <p>xx. Other (specify)</p> <p>xxi. Nothing</p>
b. Knowledge of Covid-19 pandemic	<p>i. Less than I should know</p> <p>ii. A little, but not enough</p> <p>iii. Enough</p> <p>iv. A little more than most people</p> <p>v. I am up to date on the latest research</p>
c. Source of trusted Covid-19 information	<p>i. Newspapers/new websites</p> <p>ii. Radio</p> <p>iii. TV</p> <p>iv. Government websites</p> <p>v. Social media (Facebook, Twitter, YouTube)</p> <p>vi. Forwarded email, WhatsApp</p> <p>vii. Other websites</p> <p>viii. Friends, family, colleagues</p> <p>ix. Posters, billboards</p> <p>x. Health workers, clinic materials</p> <p>xi. Traditional healers</p> <p>xii. School</p> <p>xiii. Church</p> <p>xiv. Community leaders</p> <p>xv. Other (specify)</p>
d. Any visitors to household yesterday	<p>i. Yes</p> <p>ii. No</p> <p>iii. Don't know</p>
e. Any household member taking daily medication for long-term health condition	<p>i. Yes</p> <p>ii. No</p> <p>iii. Don't know</p>
f. Every in household taking daily medication for long-term health condition had access last 7 days	<p>i. Yes</p> <p>ii. No</p> <p>iii. Don't know</p>

g. Main reason why someone in household not able to access daily medication last 7 days	<ul style="list-style-type: none"> <li>i. Afraid of get medication because of COVID-19;</li> <li>ii. Lockdown restricted me from going out;</li> <li>iii. Unable to go out for other reasons;</li> <li>iv. Medicine out of stock;</li> <li>v. Unable to afford medication;</li> <li>vi. Other (specify)</li> </ul>
h. Anyone moved into household address last 4 months due to Covid-19	<ul style="list-style-type: none"> <li>i. Yes</li> <li>ii. No</li> </ul>
i. Anyone left household address since March 2020 due to Covid-19	<ul style="list-style-type: none"> <li>i. Yes</li> <li>ii. No</li> </ul>
j. Any household member unable to access healthcare in past 7 days	<ul style="list-style-type: none"> <li>i. Yes</li> <li>ii. No</li> <li>iii. Don't know</li> </ul>
k. Main reason unable to access healthcare	<ul style="list-style-type: none"> <li>i. Afraid to go out due to COVID-19</li> <li>ii. Lockdown restricted me from going out</li> <li>iii. Unable to go out for other reason</li> <li>iv. Unable to afford</li> <li>v. Clinic closed</li> <li>vi. Other (specify)</li> </ul>
l. Household able to get food necessities past 7 days	<ul style="list-style-type: none"> <li>i. Yes</li> <li>ii. No</li> <li>iii. Don't know</li> </ul>
m. Household current financial situation compared to before Covid-19 lockdown	<ul style="list-style-type: none"> <li>i. Much worse off;</li> <li>ii. A little worse off;</li> <li>iii. About the same;</li> <li>iv. A little better off;</li> <li>v. Much better off</li> </ul>
n. In past 30 days has any sources of household income decreased	<ul style="list-style-type: none"> <li>i. Employment income – lost job;</li> <li>ii. Employment income – unpaid leave;</li> <li>iii. Business income;</li> <li>iv. Government grants;</li> <li>v. Money from friends or family;</li> <li>vi. Other (specify)</li> <li>vii. Household had no income before;</li> <li>viii. No income source has decreased</li> </ul>
o. Household received any Covid-19 support past 30 days	<ul style="list-style-type: none"> <li>i. Yes</li> <li>ii. No</li> <li>iii. Don't know</li> </ul>
p. How children accessed education past 7 days	<ul style="list-style-type: none"> <li>i. Aa</li> <li>ii. In person at school</li> <li>iii. Through a school-based internet program</li> <li>iv. Through TV/radio programs at home</li> <li>v. From household members at home</li> <li>vi. They received no education</li> <li>vii. It has been school holidays</li> </ul>
q. Household experienced difficulties providing childcare past 7 days	<ul style="list-style-type: none"> <li>i. Yes, a lot</li> <li>ii. Yes, a little</li> <li>iii. No</li> </ul>
r. Things in community changed for better or worse since March 2020	<ul style="list-style-type: none"> <li>i. Got better;</li> <li>ii. stayed the same;</li> <li>iii. got worse</li> </ul>

s. Things in community changed for better or worse since March 2020	i. Got better; ii. Stayed the same; iii. Got worse
t. Living arrangement changed because of the COVID-19 pandemic	i. Yes ii. No
u. Changed how	i. I moved to my current address temporarily; ii. Another person (e.g. sibling, adult, child, parent) has moved into my address; iii. Another person I lived with has moved elsewhere iv. Other (specify)
v. Compared to before Covid-19 how violence against women changed	i. Increased; ii. Stayed the same; iii. Decreased; iv. Don't know
w. Compared to before Covid-19 how violence against men changed	i. Increased; ii. Stayed the same; iii. Decreased; iv. Don't know
x. Compared to before Covid-19 how violence against children changed	i. Increased; ii. Stayed the same; iii. Decreased; iv. Don't know
y. Compared to before Covid-19 how child neglect changed	i. Increased; ii. Stayed the same; iii. Decreased; iv. Don't know
z. Compared to before Covid-19 marital problems changed	v. Increased; vi. Stayed the same; vii. Decreased; viii. Don't know
aa. People with Covid-19 deserve to be punished	i. Strongly disagree; ii. Disagree; iii. Agree; iv. Strongly agree
bb. People with Covid-19 are irresponsible	i. Strongly disagree; ii. Disagree; iii. Agree; iv. Strongly agree
cc. People with Covid-19 bring shame on their families	i. Strongly disagree; ii. Disagree; iii. Agree; iv. Strongly agree
dd. People with Covid-19 are dirty	i. Strongly disagree; ii. Disagree; iii. Agree; iv. Strongly agree
ee. People with Covid-19 are cursed	i. Strongly disagree; ii. Disagree; iii. Agree; iv. Strongly agree
ff. Afraid to visit someone recovered from Covid-19	i. Strongly disagree; ii. Disagree; iii. Agree; iv. Strongly agree



gg. If I get Covid friend or family would be angry at me	i. Very unlikely; ii. Unlikely; iii. Likely; iv. Very likely
hh. If I get Covid friend or family would be blame me	v. Very unlikely; vi. Unlikely; vii. Likely; viii. Very likely
ii. If I get Covid friend or family would say it's my fault	i. Very unlikely; ii. Unlikely; iii. Likely; iv. Very likely
jj. If I get Covid friend or family employer would fire me	i. Very unlikely; ii. Unlikely; iii. Likely; iv. Very likely
kk. If I get Covid workmates will discriminate me	i. Very unlikely; ii. Unlikely; iii. Likely; iv. Very likely
ll. If I get Covid workmate will blame me	i. Very unlikely; ii. Unlikely; iii. Likely; iv. Very likely
mm. If I get Covid it will be hard to tell other people	i. Very unlikely; ii. Unlikely; iii. Likely; iv. Very likely
nn. If I get Covid I will feel ashamed	i. Very unlikely; ii. Unlikely; iii. Likely; iv. Very likely
oo. Ever been tested for COVID-19?	i. Yes; ii. No; iii. Don't know
pp. previously diagnosed with COVID-19?	i. Yes; ii. No; iii. Don't know
qq. When diagnosed with COVID-19?	i. Yes; ii. No; iv. Don't know
rr. Hospitalized for COVID-19?	i. Yes; ii. No; v. Don't know
ss. Vaccinated against Covid-19	i. Yes; ii. No; iii. Don't know
tt. When received first dose?	i. Date
uu. Which vaccine received first dose?	i. Jansen/J&J ii. Pfizer/BioNTech iii. Moderna iv. Astra-Zeneca/Oxford/ChadOx v. Don't know vi. Other (specify)

vv. Where received first dose?	<ul style="list-style-type: none"> <li>vii. Local clinic/hospital names;</li> <li>viii. private practitioner,</li> <li>ix. chemist,</li> <li>x. mobile vaccine facility (place)</li> </ul>
ww. Received a second dose?	<ul style="list-style-type: none"> <li>i. Yes;</li> <li>ii. No;</li> </ul>
xx. When received 2nd dose?	<ul style="list-style-type: none"> <li>i. Date</li> </ul>
yy. Which vaccine 2nd first dose?	<ul style="list-style-type: none"> <li>i. Jansen/J&amp;J</li> <li>ii. Pfizer/BioNTech</li> <li>iii. Moderna</li> <li>iv. Astra-Zeneca/Oxford/ChadOx</li> <li>v. Don't know</li> <li>ii. Other (specify)</li> </ul>
zz. Where received 2nd dose?	<ul style="list-style-type: none"> <li>i. Local clinic/hospital names;</li> <li>ii. private practitioner,</li> <li>iii. chemist,</li> <li>iii. mobile vaccine facility (place)</li> </ul>
aaa. Would you agree to vaccinate if a Covid-19 vaccine is available	<ul style="list-style-type: none"> <li>i. Definitely would</li> <li>ii. Probably would</li> <li>iii. Probably would not</li> <li>iv. Definitely would not</li> </ul>
bbb. Reasons choosing to vaccinate against COVID-19?	<ul style="list-style-type: none"> <li>i. To protect others in my family;</li> <li>ii. To protect my community from COVID-19;</li> <li>iii. To protect myself from getting sick with COVID-19;</li> <li>iv. I have a chronic health condition;</li> <li>v. If my doctor, nurse or health worker recommends it;</li> <li>vi. It would be the best way to avoid getting seriously ill from COVID-19;</li> <li>vii. It would allow me to feel safe around other people;</li> <li>viii. Life won't go back to normal until most people are vaccinated;</li> <li>ix. Other (soecify)</li> <li>x. None</li> </ul>
ccc. Reasons choosing not to vaccinate against COVID-19?	<ul style="list-style-type: none"> <li>i. I am allergic to vaccines;</li> <li>ii. I don't like needles;</li> <li>iii. I don't get vaccines in general;</li> <li>iv. People in my community do not get vaccines in general;</li> <li>v. I'm not concerned about getting ill from the coronavirus;</li> <li>vi. I would be concerned about getting infected with the coronavirus from the vaccine;</li> <li>vii. I am concerned about side effects from the vaccine;</li> <li>viii. I don't think that the vaccine will work;</li> <li>ix. The coronavirus outbreak is not as serious as some people say it is;</li> <li>x. It might be expensive;</li> <li>xi. It will be too late because we will have already been infected;</li> <li>xii. I expect vaccination site will require long/expensive travel;</li> <li>xiii. I expect vaccination site will be open inconvenient hours/require long wait times;</li> <li>xiv. Other (specify)</li> <li>xv. None</li> </ul>

ddd. Have any of the following symptoms currently?	<ul style="list-style-type: none"> <li>i. Fever <math>\geq 38^{\circ}\text{C}</math>;</li> <li>ii. Cough;</li> <li>iii. Chills;</li> <li>iv. Sore throat;</li> <li>v. Shortness of breath / breathing difficulties;</li> <li>vi. Nausea / Vomiting;</li> <li>vii. Diarrhoea;</li> <li>viii. Myalgia / Body pains;</li> <li>ix. General weakness;</li> <li>x. Irritability / Confusion;</li> <li>xi. Loss of taste (ageusia);</li> <li>xii. Loss of sense of smell (anosmia);</li> <li>xiii. Other (specify)</li> <li>xiv. None</li> </ul>
eee. If <2 years old, additional symptoms?	<ul style="list-style-type: none"> <li>i. Lethargy;</li> <li>ii. Poor feeding;</li> <li>iii. None</li> </ul>
fff. earliest date of symptoms onset	<ul style="list-style-type: none"> <li>i. Date</li> </ul>
ggg. Close physical contact with known COVID-19 case?	<ul style="list-style-type: none"> <li>i. Yes;</li> <li>ii. No;</li> <li>iii. Don't Know</li> </ul>
hhh. Contact setting	<ul style="list-style-type: none"> <li>i. Healthcare setting;</li> <li>ii. Household setting;</li> <li>iii. Workplace;</li> <li>iv. Public transport setting;</li> <li>v. Other (specify)</li> </ul>
iii. Left home past 7 days?	<ul style="list-style-type: none"> <li>i. Yes;</li> <li>ii. No;</li> <li>iii. Don't Know</li> </ul>
jjj. Left village/suburb past 7 days	<ul style="list-style-type: none"> <li>i. Yes;</li> <li>ii. No;</li> <li>iii. Don't Know</li> </ul>
kkk. Travelled to local town past 7 days?	<ul style="list-style-type: none"> <li>i. Yes;</li> <li>ii. No;</li> <li>iii. Don't Know</li> </ul>
lll. Travelled beyond subdistrict past 7 days?	<ul style="list-style-type: none"> <li>i. Yes;</li> <li>ii. No;</li> <li>iii. Don't Know</li> </ul>
mmm. Why left home?	<ul style="list-style-type: none"> <li>i. To get food/medication;</li> <li>ii. To go to work;</li> <li>iii. To visit friends or family;</li> <li>iv. To get exercise;</li> <li>v. To provide care to a vulnerable person;</li> <li>vi. Other (specify)</li> </ul>
nnn. Having little interest or pleasure in doing things past 14 days?	<ul style="list-style-type: none"> <li>i. Not at all;</li> <li>ii. Several days;</li> <li>iii. More than half the days;</li> <li>iv. Nearly every day</li> </ul>
ooo. Feeling down, depressed or hopeless past 14 days?	<ul style="list-style-type: none"> <li>i. Not at all;</li> <li>ii. Several days;</li> <li>iii. More than half the days;</li> <li>iv. Nearly every day</li> </ul>

ppp. Feeling nervous, anxious or on edge past 14 days?	<ul style="list-style-type: none"> <li>i. Not at all;</li> <li>ii. Several days;</li> <li>iii. More than half the days;</li> <li>iv. Nearly every day</li> </ul>
qqq. Not able to stop or control worrying past 14 days?	<ul style="list-style-type: none"> <li>i. Not at all;</li> <li>ii. Several days;</li> <li>iii. More than half the days;</li> <li>iv. Nearly every day</li> </ul>
rrr. Likelihood getting Covid?	<ul style="list-style-type: none"> <li>i. Certain;</li> <li>ii. Very likely;</li> <li>iii. Somewhat likely;</li> <li>iv. Not very likely;</li> <li>v. No chance at all;</li> <li>vi. I've already had Covid-19;</li> <li>vii. Don't know</li> </ul>
sss. Know someone diagnosed as having COVID-19?	<ul style="list-style-type: none"> <li>i. Yes;</li> <li>ii. No;</li> <li>iii. Don't Know</li> </ul>
ttt. concerned about exposure to COVID-19?	<ul style="list-style-type: none"> <li>i. Yes;</li> <li>ii. No;</li> <li>iii. Don't Know</li> </ul>
uuu. Cannot trust government tell truth about Covid-19	<ul style="list-style-type: none"> <li>i. Strongly agree;</li> <li>ii. Agree;</li> <li>iii. Neither agree nor disagree;</li> <li>iv. Disagree;</li> <li>v. Strongly disagree</li> </ul>
vvv. trust public health measures government is taking to combat Covid-19	<ul style="list-style-type: none"> <li>i. Strongly agree;</li> <li>ii. Agree;</li> <li>iii. Neither agree nor disagree;</li> <li>iv. Disagree;</li> <li>v. Strongly disagree</li> </ul>
www. Government not giving enough clear information about Covid-19	<ul style="list-style-type: none"> <li>i. Strongly agree;</li> <li>ii. Agree;</li> <li>iii. Neither agree nor disagree;</li> <li>iv. Disagree;</li> <li>v. Strongly disagree</li> </ul>
xxx. coronavirus info withheld from public	<ul style="list-style-type: none"> <li>i. Strongly agree;</li> <li>ii. Agree;</li> <li>iii. Neither agree nor disagree;</li> <li>iv. Disagree;</li> <li>v. Strongly disagree</li> </ul>