

Kenya - GENOMIC AND ENVIRONMENTAL RISK FACTORS FOR CARDIOMETABOLIC DISEASE IN KENYA, AWI-Gen PHASE II

Catheine Kyobutungi, Michele Ramsay

Report generated on: October 25, 2024

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Overview

Identification

ID NUMBER

DDI-KEN-APHRC-AWIGen2-2019-v1.0

Version

VERSION DESCRIPTION

PRODUCTION DATE

2024-09-19

NOTES

N/A

Overview

ABSTRACT

The Genomic and environmental risk factors for cardiometabolic disease in Africans (AWI-Gen) project was a collaborative study between the University of the Witwatersrand (Wits) and the INDEPTH Network funded under the Human Heredity and Health in Africa (H3Africa) initiative. The H3Africa was a ground-breaking initiative to build institutional and individual capacity to undertake genetic and genomic studies in the African region. This collaboration, involved five INDEPTH sites i.e. 1) Navrongo - Ghana; 2) Nanoro - Burkina Faso; 3&4) Agincourt and Digkale - South Africa; and 5) Nairobi - Kenya) plus the Soweto-based birth-to-twenty cohort. AWI-Gen phase I was a population based cross-sectional study with a research platform of over 12,045 participants aged 40-60 years from Burkina Faso, Ghana, Kenya and South Africa. It aimed to understand the interplay between genetic, epigenetic and environmental risk factors for obesity and related cardiometabolic diseases (CMD) in sub-Saharan Africa and it generated epi-demographic, environmental, health history, behavioral, anthropometric, physiological and genetic data across a range of rapidly transitioning African settings. This provided a unique resource to examine genetic associations and gene-environment interactions that will contribute to Afrocentric risk prediction models and African-appropriate Mendelian Randomization instruments, and exploit their potential to improve personal and population health - while strengthening regional research capacity. We plan to continue this work in AWIGEN-phase II among the same participants recruited in AWIGen-I offering an opportunity to examine data in a longitudinal manner.

The AWI-Gen phase II project aims to establish the genomic contribution to CMD and risk at a time when multiple interacting transitions, in the presence of high background HIV or malaria prevalence, are driving a rapid escalation in CMD across the African continent. The project capitalizes on the unique strengths of existing longitudinal cohorts and well-established health and demographic surveillance systems (HDSS) run by the partner institutions. The six study sites represent geographic and social variability of African populations which are also at different stages of the demographic and epidemiological transitions. The work in Kenya will be undertaken in the Nairobi Urban Health and Demographic Surveillance System (NUHDSS) run by African Population and Health Research Center (APHRC) following participants who were recruited in AWIGEN-Phase I.

AWI-Gen II consisted of five main aims: i) AIM-1 (Sub-study 1): Genetic associations studies to elucidate functional pathways involved in determining body composition and risk for CMD by detecting pivotal genomic and environmental contributors; ii) AIM 2 (Sub-study 2): Genomics and bioinformatics-impact of genomic diversity on disease risk and precision public health; iii) AIM 3 (Sub-study 3): Examine changes over the menopausal transition in body composition and CMD risk; iv) AIM 4 (Sub-study 4): Examine gut microbiome in older adults and its relationship to obesity, diabetes and glucose tolerance and ageing; and v) AIM 5 (Sub-study 5): Explore respiratory disease in context of multi-morbidity.

In this application, we sought ethical approval for the Kenya study only. The other partners sought approval from their appropriate ethics review authorities in their countries. The study budget was \$248,613 and was funded by National Institute of Health (NIH)-USA under H3Africa. Data collection was undertaken for approximately 12 months but sample processing, data analysis, manuscript writing, capacity building and policy engagement was continued up to three years after field work (up to 2022).

UNITS OF ANALYSIS

Individual

Household

Scope

NOTES

INDIVIDUAL: age, gender, BMI, Visceral fat levels, T2 diabetes status, blood pressure, socio-economic status, lifestyle (diet, tobacco, alcohol, exercise etc.) and HIV infection status. In addition, for participants in microbiome study were asked information on antibiotics use. There was repeated anthropometric measurements including height, weight, waist and hip circumference and ultrasound measurements of visceral and subcutaneous fat, and cIMT.

KEYWORDS

N/A

Coverage

GEOGRAPHIC COVERAGE

County coverage (Informal settlements of Korogocho and Viwandani in Nairobi)

UNIVERSE

The survey covered individual participants aged 45-65 years.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Catheine Kyobutungi	African Population and Health Research Center
Michele Ramsay	University of the Witwatersrand (Wits)

OTHER PRODUCER(S)

Name	Affiliation	Role
Shukri Mohamed	African Population and Health Research Center	Co-Investigator
Gershim Asiki	African Population and Health Research Center	Co-Investigator
Isaac Kisiangani	African Population and Health Research Center	Co-Investigator
Michèle Ramsay	University of the Witwatersrand	Co-Investigator
Furahini Tluway	University of the Witwatersrand	Co-Investigator
James Kawai	African Population and Health Research Center	Data Documentation Specialist
Bonface Ingumba	African Population and Health Research Center	Data Governance Officer

FUNDING

Name	Abbreviation	Role
Amsterdam Insitute of Global Health and Development (AIGHD) through the Dutch lottery.	AIGHD	Funder

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
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N/A		
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Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
African Population and Health Reseach Center	APHRC		Documentation of the DDI

DATE OF METADATA PRODUCTION

2024-09-19

DDI DOCUMENT VERSION

Version 1.0 (September 2024)

DDI DOCUMENT ID

DDI-KEN-APHRC-AWIGen2-2019-v1.0

Sampling

Sampling Procedure

a) Study design: A prospective cohort study to examine genetic associations and gene-environment interactions with measures of change in CMD and risk derived over 5 years (AWI-Gen I survey was in 2014/2015, and survey for phenotypic characteristics (under AWI-Gen II) among the same individuals will be repeated in 2019/2020). This was an extended baseline (AWI-Gen I) to provide longitudinal data (AWI-Gen II).

b) Study site (geographical)

The study in Kenya was conducted in Nairobi, specifically in Korogocho and Viwandani urban informal settlements which are covered by the NUHDSS.

c) Study populations

Sub-study 1 & 5: Adult (40-60 years at baseline) residents of Korogocho and Viwandani informal settlements registered in the NUHDSS.

Sample size

A sample size of 2000 per site (12000 in total) was used in AWIGEN-I based on power calculations and effect sizes. The power calculations show that we have power to detect realistic effect sizes, based on studies in other populations. Figure 2 illustrates the relationship between power and effect size for two different phenotypes, illustrating that the detectable effect size is realistic.

Power analysis for a sample size of 12000 individuals based on proposed candidate gene study for BMI (shown on the left) and for DXA (total body fat) (shown on the right). Given a sample size of 12000 in the AWI-Gen study, this graph shows effect size (x) which could be detected at a given power (y) for different minor allele frequencies (ranging from 0.05-0.45). For example, with a minor allele frequency of 0.25, we will have 80% power to detect an effect size (Beta) of 0.20 per allele change in BMI, and an effect size of 0.25 per allele change in body fat percentage.

For AWIGEN 2, we will follow the same participants. We anticipate a retention of 70% from the 2000 participants recruited in phase 1. Thus, our sample size for AWIGEN-11 was approximately 1400 participants for the Kenyan site for sub-studies 1 and 2.

For Sub-studies 3 & 4 we will randomly sample 250 individuals for each sub-study which is a large sample by most microbiome project standards.

For Sub-study 5 we will include all participants selected in Sub-study 1

Deviations from Sample Design

N/A

Response Rate

59%

Weighting

N/A

Questionnaires

Overview

The questionnaire for AWIGen 2 was a structured questionnaire developed by the University of Witwatersrand. The questionnaire was translated from English to Swahili. The individual questionnaire was administered to an adult (40-60 years old), which collected various information of the individual including, age, gender, BMI, Visceral fat levels, T2 diabetes status, blood pressure, socio-economic status, lifestyle (diet, tobacco, alcohol, exercise etc.) and HIV infection status. In addition, for participants in microbiome study we will ask information on antibiotics use. We will repeat the anthropometric measurements including height, weight, waist and hip circumference and ultrasound measurements of visceral and subcutaneous fat, and cIMT.

Data Collection

Data Collection Dates

Start	End	Cycle
2020-08-31	2021-07-28	N/A

Data Collection Mode

Other [oth]

Questionnaires

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Supervision

Field visits, weekly meetings and running weekly quality controls such as spotchecks, sit inn interviews, mirrow interview and observation interviews

Data Processing

Data Editing

Data was edited on REDCap during data entry and also secondary editing was performed once the files were submitted to the server.

Other Processing

N/A

Data Appraisal

Estimates of Sampling Error

N/A

File Description

Variable List

AWI-Gen 2

Content	The file contains Participant Identification, family composition, pregnancy and menopause (for female participants), Civil Status, Education & Employment, Orientation Score, Household Attributes, Substance Use, General Health-Cancer, General Health-Family History, General Health-Diet, General Health-Exposure to pesticides and pollutants, Infection History, Physical activity and Sleep, Anthropometric Measurements, Blood pressure and Pulse Measurements, Ultra sound and DXA Measurements, Respiratory Health, Spirometry Eligibility, Reversability test, Microbiome, Blood Collection, Urine Collection, Point of Care Testing and Trauma.
Cases	1190
Variable(s)	795
Structure	Type: Keys: ()
Version	Version 1.0 (September 2024)
Producer	APHRC
Missing Data	N/A

Variables

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V1	v1	1.1 AWI-Gen Participant Study code	discrete	character	AWI-Gen Participant Study Code
V3	siteid	Site ID	discrete	numeric	Site ID
V4	enrolmentdate	Enrolment Date	discrete	numeric	Enrolment Date
V5	genderjinsia	Gender (Jinsia)	discrete	numeric	Gender (Jinsia)
V6	dateofbirthknowntareheyakuzaliwa	Date of Birth known (Tarehe ya kuzaliwa inajulikana)	discrete	numeric	Date of Birth known
V7	dateofbirthtareheyakuzaliwa	Date of Birth (Tarehe ya kuzaliwa)	discrete	numeric	Date of Birth
V8	yearofbirthmwakawakuzaaliwa	Year of birth (Mwaka wa kuzaaliwa)	discrete	numeric	Year of birth
V9	ageumri	Age (Umri)	discrete	numeric	
V10	uniquesiteidentifykitambulishoma	Unique Site Identify (Kitambulisho maalum)	discrete	numeric	Unique Site Identify
V11	homelanguagelughaunayoongea	Home Language (Lugha unayoongea)	discrete	numeric	Home language
V12	ethnicitykabilalako	Ethnicity (Kabila lako)	discrete	numeric	Ethnicity
V13	ethnolinguisticdataavailable	Ethnolinguistic data available	discrete	numeric	Ethnolinguistic data available
V14	complete	Complete?	discrete	numeric	Complete
V15	v15	1.1.1 Is Unique Site Identifier [phase_1_arm_1][phase_1_unique_site_id] correct?	discrete	character	1.1.1 Is Unique Site Identifier [phase_1_arm_1][phase_1_unique_site_id] correct?
V16	v16	1.1.2 Please enter the correct Unique Site ID. (Tafadhali iandike nambari ya ut	discrete	character	1.1.2 Please enter the correct Unique Site ID.
V17	v17	1.1.3 Site name (Mahali pa utafiti)	discrete	character	1.1.3 Site name
V18	v18	1.1.4 Data collection date (Tarehe ya utafiti)	discrete	character	1.1.4 Data collection date
V19	v19	1.1.5 Start time of questionnaire (Wakati wa kuanza kuuliza maswali)	discrete	character	1.1.5 Start time of questionnaire
V20	v20	1.1.6 End time of questionnaire (Wakati wa kutamatisha kuuliza maswali)	discrete	character	1.1.6 End time of questionnaire
V21	v21	1.1.7 Cash compensation paid to participant? (Malipo ya fidia kwa washiriki)	discrete	character	1.1.7 Cash compensation paid to participant?
V22	v22	1.2.1 Date of birth unknown and approximate year of birth is [phase_1_arm_1][pha	discrete	character	1.2.1 Date of birth unknown and approximate year of birth is
V23	v23	1.2.2 Date of birth known and the correct date of birth is [phase_1_arm_1][phas	discrete	character	1.2.2 Date of birth known and the correct date of birth is
V24	v24	1.2.3 Date of birth known? (Tarehe Ya Kuzaliwa inajulikana)	discrete	character	1.2.3 Date of birth known?

V25	v25	1.2.4 What is your date of birth? (Tarehe Ya Kuzaliwa ni ngani?)	discrete	character	1.2.4 What is your date of birth?
V26	v26	1.2.5 What is your approximate year of birth? (Kadirio la mwaka wa kuzaliwa)	discrete	character	1.2.5 What is your approximate year of birth?
V27	v27	1.2.6 Age at collection (Umri wakati huu)	contin	numeric	1.2.6 Age at collection
V28	v28	1.2.7 Is your sex [phase_1_arm_1][phase_1_gender]? (Jinsia yako ni hii?)	discrete	character	
V29	v29	1.2.8 What is your sex? (Jinsia yako ni gani?)	discrete	character	1.2.7 What is your sex?
V30	v30	Gender (Jinsia)	discrete	numeric	
V31	v31	1.2.9 Is your Home Language [phase_1_arm][phase_1_home_language]? (Hii ndio lu	discrete	character	
V32	v32	1.2.9.1 Home Language (Lugha unayoongea)	discrete	character	1.2.8.1 Home Language
V33	v33	1.2.9.2 Other Home Language (Lugha nyingine unayoongea)	discrete	character	1.2.8.2 Other Home Language
V34	v34	Home Language (Lugha unayoongea)	contin	numeric	
V35	v35	1.2.10 Is your Ethnicity [phase_1_arm][phase_1_ethnicity]? (Kabila lako ni hii?)	discrete	character	
V36	v36	1.2.10.1 Ethnicity (Kabila)	discrete	character	1.2.9.1 Ethnicity
V37	v37	1.2.10.2 Other ethnicity (Kabila Nyingine)	discrete	numeric	1.2.9.2 Other ethnicity
V38	v38	1.2.11 Identity of participant confirmed? (Mshirika ametambulika?)	discrete	character	1.2.10 Identity of participant confirmed?
V39	v39	Complete?	discrete	character	Complete
V40	v40	2.1.1 Father ethnic/tribal affiliation (South Africa) (Kabila ya babako)	discrete	numeric	
V41	v41	2.1.2 If other, please specify (kabila nyingine, taja)	discrete	numeric	
V42	v42	2.1.3 Father home language (South Africa) (Lugha ya babako)	discrete	numeric	
V43	v43	2.1.4 If other, please specify (Lugha nyingine, taja)	discrete	numeric	
V44	v44	2.2.1 Paternal grandfather ethnic/tribal affiliation (South Africa) (kabila ya	discrete	numeric	
V45	v45	2.2.2 If other, please specify (Kabila nyingine, taja)	discrete	numeric	
V46	v46	2.2.3 Paternal grandfather home language (South Africa) (Lugha ya baba wa kumz	discrete	numeric	
V47	v47	2.2.4 If other, please specify (Lugha nyingine, taja)	discrete	numeric	
V48	v48	2.3.1 Paternal grandmother ethnic/tribal affiliation (South Africa) (kabila ya	discrete	numeric	
V49	v49	2.3.2 If other, please specify (Kabila nyingine, taja)	discrete	numeric	
V50	v50	2.3.3 Paternal grandmother home language (South Africa) (Lugha ya mama wa kumza	discrete	numeric	
V51	v51	2.3.4 If other, please specify (Lugha nyingine, taja)	discrete	numeric	
V52	v52	2.4.1 Mother ethnic/tribal affiliation (South Africa) (Kabila ya mamako)	discrete	numeric	
V53	v53	2.4.2 If other, please specify (kabila nyingine, taja)	discrete	numeric	
V54	v54	2.4.3 Mother home language (South Africa) (Lugha ya mamako)	discrete	numeric	
V55	v55	2.4.4 If other, please specify (Lugha nyingine, taja)	discrete	numeric	
V56	v56	2.5.1 Maternal grandfather ethnic/tribal affiliation (South Africa) (kabila ya	discrete	numeric	
V57	v57	2.5.2 If other, please specify (Kabila nyingine, taja)	discrete	numeric	

V58	v58	2.5.3 Maternal grandfather home language (South Africa) (Lugha ya baba wa kumza)	discrete	numeric	
V59	v59	2.5.4 If other, please specify (Lugha nyingine, taja)	discrete	numeric	
V60	v60	2.6.1 Maternal grandmother ethnic/tribal affiliation (South Africa) (kabila ya)	discrete	numeric	
V61	v61	2.6.2 If other, please specify (Kabila nyingine, taja)	discrete	numeric	
V62	v62	2.6.3 Maternal grandmother home language (South Africa) (Lugha ya mama wa kumza)	discrete	numeric	
V63	v63	2.6.4 If other, please specify (Lugha nyingine, taja)	discrete	numeric	
V64	v64	Complete?	discrete	character	
V65	v65	3.1 Do you have siblings with whom you share at least one parent? (half siblings	discrete	character	Do you have siblings with whom you share at least one parent? (half siblings and those that have passed away are included)
V66	v66	3.2 How many brothers? (Una ndugu wangapi wa kiume?)	contin	numeric	How many brothers?
V67	v67	3.3 How many of your brothers are still alive? (Una ndugu wa kiume wangapi wali	discrete	numeric	How many of your brothers are still alive?
V68	v68	3.4 How many sisters? (Una dada wangapi?)	discrete	numeric	How many sisters?
V69	v69	3.5 How many of your sisters are still alive? (Una dada wangapi waliohai?)	discrete	numeric	How many of your sisters are still alive?
V70	v70	3.6 Do you have any biological children? (Je, una watoto uliowazaa?)	discrete	character	Do you have any biological children?
V71	v71	3.7 How many biological sons? (Je una watoto wangapi wa kiume uliowazaa?)	discrete	numeric	How many biological sons?
V72	v72	3.8 How many of your biological sons are still alive? (Wangapi wa kiume uliowaz	discrete	numeric	How many of your biological sons are still alive?
V73	v73	3.9 How many biological daughters? (Je una watoto wangapi wa kike uliowazaa?)	discrete	numeric	How many biological daughters?
V74	v74	3.10 How many of your biological daughters are still alive? (Wangapi wa kike ul	discrete	numeric	How many of your biological daughters are still alive?
V75	v75	Complete?	discrete	character	Complete?
V76	v76	4.1 Are you pregnant? (Je, wewe ni mja mzito?)	discrete	character	Are you pregnant?
V77	v77	4.2 How many pregnancies have you had? (Je, hadi leo umeshika mimba mara ngapi	discrete	numeric	How many pregnancies have you had?
V78	v78	4.3 How many live births have you had? (Je, ni mara ngapi umemzaa mtoto aliye h	discrete	numeric	How many live births have you had?
V79	v79	4.4 Are you currently taking birth control pills, a birth control injection, or	discrete	character	Are you currently taking birth control pills, a birth control injection, or using coil?
V80	v80	4.5 Have you had a hysterectomy? (Umewahi kufanyiwa hysterectomy?)	discrete	character	Have you had a hysterectomy?
V81	v81	4.6 Do you have regular periods? (i.e. every 21-35 days) (Je, unapata hedhi yak	discrete	character	Do you have regular periods? (i.e. every 21-35 days)
V82	v82	4.7 Do you remember when your last period was? (Je, unakumbuka lini ilikikua mw	discrete	character	Do you remember when your last period was?
V83	v83	4.8.1 Month (Mwezi)	discrete	numeric	Month
V84	v84	4.8.2 Year (Mwaka)	contin	numeric	Year
V85	v85	4.10 Was your last period more than a year ago? (Je, hedhi yako ya mwisho iliku	discrete	character	Was your last period more than a year ago?
V86	v86	Complete?	discrete	character	Complete?
V87	v87	5.1.1 What is your marital status? (Hali yako ya ndoa)	discrete	character	What is your marital status?
V88	v88	5.2.1 What is the highest level of education you have reached? (Kiwango cha juu	discrete	character	What is the highest level of education you have reached?

V89	v89	5.2.2 What is the total number of successfully completed years at your highest l	discrete	numeric	What is the total number of successfully completed years at your highest level of education?
V90	v90	5.2.3 What is the total number of years of formal education that you have had?	contin	numeric	What is the total number of years of formal education that you have had?
V91	v91	5.3.1 What is your current employment status? (Ajira)	discrete	character	Adult (40-60 years old)
V92	v92	5.3.2 How many days a week do you work? (Ni siku ngapi kwa wiki unafanya kazi?)	discrete	numeric	How many days a week do you work?
V93	v93	Complete?	discrete	character	Complete?
V94	canyoureadthissentenceformepleas	6.1.1 Can you read this sentence for me please? Even if you can only read part o	discrete	character	Can you read this sentence for me please? Even if you can only read part of it?
V95	v95	6.1.2 At present how good is your memory? (Kwa sasa kumbukumbu yako iko sawa?)	discrete	numeric	At present how good is your memory?
V96	v96	6.1.3 Over the past month did you have any difficulty remembering things? (Mwez	discrete	numeric	Over the past month did you have any difficulty remembering things?
V97	v97	6.1.4 Over the past month did you have any difficulty concentrating? (Mwezi ul	discrete	numeric	Over the past month did you have any difficulty concentrating?
V98	v98	6.1.5 In the last 30 days, how much difficulty did you have in learning a new ta	discrete	numeric	In the last 30 days, how much difficulty did you have in learning a new task (for example, learning how to get to a new place, learning a new game, learning a new recipe)?
V99	v99	6.2.1 Now please tell me the words you can remember. (Hebu nielezi maneno unayo	discrete	character	Now please tell me the words you can remember.
V100	v100	6.2.1 Now please tell me the words you can remember. (Hebu nielezi maneno unayo	discrete	character	Now please tell me the words you can remember.
V101	v101	6.2.1 Now please tell me the words you can remember. (Hebu nielezi maneno unayo	discrete	character	Now please tell me the words you can remember.
V102	v102	6.2.1 Now please tell me the words you can remember. (Hebu nielezi maneno unayo	discrete	character	Now please tell me the words you can remember.
V103	v103	6.2.1 Now please tell me the words you can remember. (Hebu nielezi maneno unayo	discrete	character	Now please tell me the words you can remember.
V104	v104	6.2.1 Now please tell me the words you can remember. (Hebu nielezi maneno unayo	discrete	character	Now please tell me the words you can remember.
V105	v105	6.2.1 Now please tell me the words you can remember. (Hebu nielezi maneno unayo	discrete	character	Now please tell me the words you can remember.
V106	v106	6.2.1 Now please tell me the words you can remember. (Hebu nielezi maneno unayo	discrete	character	Now please tell me the words you can remember.
V107	v107	6.2.1 Now please tell me the words you can remember. (Hebu nielezi maneno unayo	discrete	character	Now please tell me the words you can remember.
V108	v108	6.2.1 Now please tell me the words you can remember. (Hebu nielezi maneno unayo	discrete	character	Now please tell me the words you can remember.
V109	v109	6.2.1 Now please tell me the words you can remember. (Hebu nielezi maneno unayo	discrete	character	Now please tell me the words you can remember.
V110	v110	6.2.1 Now please tell me the words you can remember. (Hebu nielezi maneno unayo	discrete	character	Now please tell me the words you can remember.
V111	v111	6.2.2 Immediate Recall Score (Matokeo ya kukumbuka kwa haraka)	discrete	numeric	Immediate Recall Score
V112	v112	6.3.1 What is the year? (Je, huu ni mwaka ngani?)	discrete	numeric	What is the year?
V113	v113	6.3.2 What is the month? (Huu ni mwezi gani?)	discrete	numeric	What is the month?

V114	v114	6.3.3 What is the day of the month? (Ni siku gani ya Mwezi?)	discrete	numeric	What is the day of the month?
V115	v115	6.3.4 What is the country that we are in? (Nchi gani tulimo?)	discrete	numeric	What is the country that we are in?
V116	v116	6.3.5 What is the sub-County/County? (Je ni ndogo ya kata/kata ipi?)	discrete	numeric	What is the Sub-County/County?
V117	v117	6.3.6 What is the village/town/city? (Je ni kijiji/jiji/jiji kuu ipi?)	discrete	numeric	What is the village/town/city?
V118	v118	6.3.7 Now let's list the days of the week forward. Please start from Sunday. (S	discrete	numeric	Now let's list the days of the week forward. Please start from Sunday.
V119	v119	6.3.8 Now please list the days of the week backwards, starting again from Sunday	discrete	numeric	Now please list the days of the week backwards, starting again from Sunday.
V120	v120	6.3.9 Orientation Score (Matokeo ya mwelekeo)	discrete	numeric	Orientation Score
V121	v121	Complete?	discrete	character	Complete?
V122	timefromsayingstandtosittingfort	6.4.1 Time from saying 'stand' to sitting for the 5th time, with seconds to one	discrete	numeric	Time from saying "stand" to sitting for the 5th time, with seconds to one decimal place.
V123	v123	6.4.2 Did the participant use their hands during the procedure? (Je Mshiriki a	discrete	numeric	Did the participant use their hands during the procedure?
V124	v124	6.4.3 Five sit-stands completed? (Amemaliza kusimama-kuketi mara tano?)	discrete	numeric	Five sit-stands completed?
V125	v125	6.4.4 If no, please comment why. (Kama ni la, tafadhali nukuu maoni ni kwa nini	discrete	numeric	If no, please comment why.
V126	v126	6.5.1 Which is the dominant hand? (Mkono ngani ndio yenye nguvu?)	discrete	numeric	Which is the dominant hand?
V127	v127	6.5.2 With how much force does the participant squeeze the dynamometer the first t	discrete	numeric	With how much force does the participant squeeze the dynamometer the first time?
V128	v128	6.5.3 With how much force does the participant squeeze the dynamometer the second	discrete	numeric	With how much force does the participant squeeze the dynamometer the second time?
V129	v129	6.5.4 With how much force does the participant squeeze the dynamometer the third t	discrete	numeric	With how much force does the participant squeeze the dynamometer the third time?
V130	v130	6.5.5 Did the participant manage to complete the procedure? (Je mshiriki aliwez	discrete	numeric	Did the participant manage to complete the procedure?
V131	v131	6.5.6 If no, please comment why (Kama ni la, tupe maoni zaidi)	discrete	numeric	If no, please comment why
V132	fromthetimesayingstarthowlongdoe	6.6.1 From the time saying 'start', how long does it take to walk from the start	discrete	numeric	From the time saying "start", how long does it take to walk from the start line on the 2.5m line, to turn around, and to walk back to the start line (in seconds to one decimal place)?
V133	v133	6.6.2 Did the participant need your physical support to walk during the procedur	discrete	numeric	Did the participant need your physical support to walk during the procedure?
V134	v134	6.6.3 Did the participant manage to complete the procedure? (Je, mshiriki aliwe	discrete	numeric	Did the participant manage to complete the procedure?
V135	v135	6.6.4 If no, please comment why (Kama ni la, tupe maoni zaidi)	discrete	numeric	If no, please comment why
V136	v136	Complete?	discrete	character	Complete?
V137	v137	6.7.1 Now please tell me the words you can remember. (Hebu nielezi majina unayo	discrete	character	Now please tell me the words you can remember.
V138	v138	6.7.1 Now please tell me the words you can remember. (Hebu nielezi majina unayo	discrete	character	Now please tell me the words you can remember.
V139	v139	6.7.1 Now please tell me the words you can remember. (Hebu nielezi majina unayo	discrete	character	Now please tell me the words you can remember.
V140	v140	6.7.1 Now please tell me the words you can remember. (Hebu nielezi majina unayo	discrete	character	Now please tell me the words you can remember.

V141	v141	6.7.1 Now please tell me the words you can remember. (Hebu nielezi majina unayo	discrete	character	Now please tell me the words you can remember.
V142	v142	6.7.1 Now please tell me the words you can remember. (Hebu nielezi majina unayo	discrete	character	Now please tell me the words you can remember.
V143	v143	6.7.1 Now please tell me the words you can remember. (Hebu nielezi majina unayo	discrete	character	Now please tell me the words you can remember.
V144	v144	6.7.1 Now please tell me the words you can remember. (Hebu nielezi majina unayo	discrete	character	Now please tell me the words you can remember.
V145	v145	6.7.1 Now please tell me the words you can remember. (Hebu nielezi majina unayo	discrete	character	Now please tell me the words you can remember.
V146	v146	6.7.1 Now please tell me the words you can remember. (Hebu nielezi majina unayo	discrete	character	Now please tell me the words you can remember.
V147	v147	6.7.1 Now please tell me the words you can remember. (Hebu nielezi majina unayo	discrete	character	Now please tell me the words you can remember.
V148	v148	6.7.1 Now please tell me the words you can remember. (Hebu nielezi majina unayo	discrete	character	Now please tell me the words you can remember.
V149	v149	6.7.2 Delayed Recall Score (Matokeo ya kuchelewa kukumbuka)	discrete	numeric	Delayed Recall Score
V150	v150	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V151	v151	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V152	v152	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V153	v153	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V154	v154	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V155	v155	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V156	v156	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V157	v157	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V158	v158	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V159	v159	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V160	v160	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?

V161	v161	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V162	v162	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V163	v163	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V164	v164	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V165	v165	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V166	v166	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V167	v167	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V168	v168	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V169	v169	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V170	v170	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V171	v171	6.8.1 I want you to say YES if the word I read you is one you heard earlier and	discrete	character	I want you to say YES if the word I read you is one you heard earlier and NO if it is not a word you heard earlier. Do you have any questions? Are you ready?
V172	v172	6.8.2 Word Recognition Score (Matokea ya kutambua majina)	discrete	numeric	Word Recognition Score
V173	v173	6.9.1 Now I want to see how many different animals you can name. You have 60 sec	discrete	numeric	Now I want to see how many different animals you can name. You have 60 seconds. When I say, 'Start', say the animal names as fast as you can. Are you ready? (Pause) Start.
V174	v174	6.10 Cognition Comments (Maoni kuhusu kutambua)	discrete	numeric	Cognition Comments
V175	v175	Complete?	discrete	character	Complete?
V176	v176	7.1 How many people besides you live in your household? (Je, ni watu wangapi we	discrete	numeric	How many people besides you live in your household?
V177	v177	7.2 How many rooms are there in the house and outside structures used by househo	discrete	numeric	How many rooms are there in the house and outside structures used by household member?
V178	v178	7.3 How many rooms are used for sleeping in? (Ni vyumba vingapi vinatumika kul	discrete	numeric	How many rooms are used for sleeping in?
V179	electricityumeme	Electricity (Umeme)	discrete	character	Electricity
V180	solarenergynguvuzaumemewajuasola	Solar energy (Nguvu za umeme wa jua (solar))	discrete	character	Solar energy
V181	powergeneratorjeneratayumeme	Power generator (Jenerata ya umeme)	discrete	numeric	Power generator
V182	alternativepowersourcenjiambadal	Alternative power source (Njia mbadala ya umeme)	discrete	character	Alternative power source
V183	televisiontelevisheniruninga	Television (Televisheni/Runinga)	discrete	character	Television
V184	radioredio	Radio (Redio)	discrete	character	Radio

V185	motorvehiclengari	Motor vehicle (Ngari)	discrete	character	Motor vehicle
V186	motorcyclepikipiki	Motorcycle (Piki piki)	discrete	character	Motorcycle
V187	bicyclebaiskeli	Bicycle (Baiskeli)	discrete	character	Bicycle
V188	refrigeratorfrijijokovu	Refrigerator (Friji/Jokovu)	discrete	character	Refrigrator
V189	washingmachinemashineyakuoshangu	Washing machine (Mashine ya kuosha nguo)	discrete	character	Washing machine
V190	sewingmachinemashineyakushonangu	Sewing machine (Mashine ya kushona nguo/ Cherehani)	discrete	character	Sewing machine
V191	telephonesimu	Telephone (Simu)	discrete	numeric	Telephone
V192	mobilephonesimuyamkonorununu	Mobile phone (Simu ya mkono/ rununu)	discrete	character	Mobile phone
V193	microwavechombochakuchemshachaku	Microwave (Chombo cha kuchemsha chakula)	discrete	character	Microwave
V194	dvdplayerkinandaainayadvd	DVD player (Kinanda aina ya DVD)	discrete	character	DVD player
V195	satellitetvordstvtelevisheniyasa	Satellite TV or DSTV (Televisheni ya Satelite ama DSTV)	discrete	character	Satelite TV or DSTV
V196	computerorlaptopkompyutatarakili	Computer or laptop (Kompyuta/ Tarakilishi)	discrete	character	Computer or laptop
V197	internetbycomputerinternetyacomp	Internet by computer (Internet ya compyuta/Tarakilishi)	discrete	numeric	Internet by computer
V198	internetbymobilephoneinternetyas	Internet by mobile phone (Internet ya simu)	discrete	character	Internet by mobile phone
V199	electricironpasiyakutumiaumeme	Electric iron (Pasi ya kutumia umeme)	discrete	character	Electric iron
V200	fanpepeo	Fan (Pepeo)	discrete	character	Fan
V201	electricorgasstovestovuyagasiama	Electric or gas stove (Stovu ya gasi ama umeme)	discrete	character	Electric or gas stove
V202	kerosenestovestovuyamafutayataa	Kerosene stove (Stovu ya mafuta ya taa)	discrete	character	Kerosene stove
V203	plategasjikondogolakutumiagesi	Plate gas (Jiko ndogo la kutumia gesi)	discrete	numeric	Plate gas
V204	electricplatejikondogolakutumiau	Electric plate (Jiko ndogo la kutumia umeme)	discrete	character	Electric plate
V205	torchtochi	Torch (Tochi)	discrete	character	Torch
V206	gaslamptaayagesi	Gas lamp (Taa ya gesi)	discrete	character	Gas lamp
V207	kerosenelampwithglasstaayakutumi	Kerosene lamp with glass (Taa ya kutumia mafutaa ya taa)	discrete	character	Kerosene lamp
V208	toiletfacilitiesvioo	Toilet facilities (Vioo)	discrete	numeric	Toilet Facilities
V209	portablewatermaji	Portable water	discrete	numeric	Portable water
V210	grindingmillkisiagi	Grinding mill (Kisiagi)	discrete	numeric	Grinding mill
V211	tablemeza	Table (Meza)	discrete	character	Table
V212	sofasetmakochi	Sofa set (Makochi)	discrete	character	Sofa set
V213	wallclocksaayakutani	Wall clock (Saa ya ukutani)	discrete	character	Wall Clock
V214	bedkitanda	Bed (Kitanda)	discrete	character	Bed
V215	mattressgondoro	Mattress (Gondoro)	discrete	character	Mattress
V216	blanketsblanketi	Blankets (Blanketi)	discrete	character	Blankets
V217	cattlengmbe	Cattle (Ng'ā³mbe)	discrete	character	Cattle
V218	otherlivestockmifugowengine	Other livestock (Mifugo wengine)	discrete	character	Othere Livestock
V219	poultrykukubata	Poultry Kuku, bata	discrete	character	Poultry
V220	tractortrekta	Tractor (Trekta)	discrete	numeric	Tractor
V221	ploughjembelngmbe	Plough (Jembe la ng'ā³mbe)	discrete	numeric	Plough
V222	v222	Complete?	discrete	character	Complete
V223	v223	8.1.1 Have you ever smoked any tobacco products such as cigarettes, cigars or pi	discrete	character	Have you ever smoked any tobacco products such as cigarettes, cigars or pipes?
V224	v224	8.1.2 Have you smoked more than 100 times in your whole life? (Je, umewahi kuvu	discrete	character	Have you smoked more than 100 times in your whole life?
V225	v225	8.1.3 Do you currently smoke any tobacco products, such as cigarettes, cigars or	discrete	character	Do you currently smoke any tobacco products, such as cigarettes, cigars or pipes?

V226	v226	8.1.4 Did you smoke within the last hour? (Je, ulivuta tumbaku ndani ya saa lil	discrete	character	Did you smoke within the last hour?
V227	v227	8.1.5 What do you smoke? (Je, wewe huvuta nini kwa kawaida kati ya zilizotajwa?	discrete	character	What do you smoke?
V228	v228	8.1.5 What do you smoke? (Je, wewe huvuta nini kwa kawaida kati ya zilizotajwa?	discrete	character	What do you smoke?
V229	v229	8.1.5 What do you smoke? (Je, wewe huvuta nini kwa kawaida kati ya zilizotajwa?	discrete	character	What do you smoke?
V230	v230	8.1.5 What do you smoke? (Je, wewe huvuta nini kwa kawaida kati ya zilizotajwa?	discrete	character	What do you smoke?
V231	v231	8.1.5 What do you smoke? (Je, wewe huvuta nini kwa kawaida kati ya zilizotajwa?	discrete	character	What do you smoke?
V232	v232	8.1.5 What do you smoke? (Je, wewe huvuta nini kwa kawaida kati ya zilizotajwa?	discrete	character	What do you smoke?
V233	v233	8.1.5 What do you smoke? (Je, wewe huvuta nini kwa kawaida kati ya zilizotajwa?	discrete	character	What do you smoke?
V234	ifotherpleasespecifywhatyousmoke	If other, please specify what you smoke (Kama ni nyinginezo hebu taja ile unavu	discrete	character	If other, please specify what you smoke
V235	v235	8.1.6 How often do you smoke tobacco products? (Je wewe huvuta bidhaa za tumbak	discrete	character	How often do you smoke tobacco products?
V236	v236	8.1.7 On the days that you smoke, how many times do you smoke tobacco products?	discrete	character	On the days that you smoke, how many times do you smoke tobacco products?
V237	v237	8.1.8 How old were you when you started smoking? (Je ulikuwa na umri gani ulipo	contin	numeric	How old were you when you started smoking?
V238	v238	8.1.9 In which year did you stop smoking completely? (Je uliwacha kuvuta tumbak	contin	numeric	In which year did you stop smoking completely?
V239	v239	8.1.10 Have you ever used any smokeless tobacco such as snuff, snus, betel with	discrete	character	Have you ever used any smokeless tobacco such as snuff, snus, betel with tobacco or chewing?
V240	doyouusesnuffjewewehutumiaugorom	Do you snuff?	discrete	character	Do you use snuff?
V241	v241	8.1.12 How do you take snuff? (Wewe hutumia ugoro kivi?)	discrete	character	How do you take snuff?
V242	howoftendoyouusesnuffwewehutumia	8.1.13 How often do you use snuff? (Wewe hutumia ugoro mbaki mara ngapi?)	discrete	character	How often do you use snuff?
V243	onthedaysthatyouusesnuffhowmanyt	8.1.14 On the days that you use snuff, how many times a day do you use it? (Je,	discrete	character	On the days that you use snuff, how many times a day do you use it?
V244	v244	8.1.15 Do you use chewing tobacco? (Je wewe unatumia tumbaku ya kutafuna mdomon	discrete	character	Do you use chewing tobacco?
V245	v245	8.1.16 How often do you use chewing tobacco? (Je wewe hutumia tumbaku ya kutafu	discrete	character	How often do you use chewing tobacco?
V246	v246	8.1.17 On the days that you use chewing tobacco, how many times a day do you use	discrete	character	On the days that you use chewing tobacco, how many times a day do you use it?
V247	v247	8.2.1 Have you ever consumed an alcohol drink such as beer, wine, spirits, ferme	discrete	character	Have you ever consumed an alcohol drink such as beer, wine, spirits, fermented cider, or traditional beer?
V248	v248	8.2.2 Do you currently (in last 30 days) consume any alcohol drink such as beer,	discrete	character	Do you currently (in last 30 days) consume any alcohol drink such as beer, wine, spirits, fermented cider, or traditional beer?
V249	v249	8.2.3 How often do you have at least one alcoholic drink? (Je, wewe hunywa anga	discrete	character	How often do you have at least one alcoholic drink?
V250	v250	8.2.4 On the days that you drink alcohol drinks, how many alcoholic drinks do yo	discrete	numeric	On the days that you drink alcohol drinks, how many alcoholic drinks do you have?
V251	v251	8.2.5 Have you ever felt that you should cut down on your drinking? (Je umewahi	discrete	character	Have you ever felt that you should cut down on your drinking?

V252	v252	8.2.6 Have people annoyed you by criticizing your drinking? (Je, kuna watu amba	discrete	character	Have people annoyed you by criticizing your drinking?
V253	v253	8.2.7 Have you ever felt bad or guilty about your drinking? (Je umewahi kusikia	discrete	character	Have you ever felt bad or guilty about your drinking?
V254	haveyoueverhadanalcoholicdrinkfi	8.2.8 Have you ever had an alcoholic drink first thing in the morning to steady	discrete	character	Have you ever had an alcoholic drink first thing in the morning to steady your nerves or get rid of hangover?
V255	v255	8.2.9 In the past year, did you ever take ONE or more alcoholic drinks in a sing	discrete	character	In the past year, did you ever take ONE or more alcoholic drinks in a single morning, afternoon, or night? I understand that you may share drinks and that some drinks have different sizes, but please do your best to answer
V256	v256	8.2.10 What type of alcohol beverage do you, or did you usually drink? (Je, ni	discrete	character	What type of alcohol beverage do you, or did you usually drink?
V257	v257	8.2.10 What type of alcohol beverage do you, or did you usually drink? (Je, ni	discrete	character	What type of alcohol beverage do you, or did you usually drink?
V258	v258	8.2.10 What type of alcohol beverage do you, or did you usually drink? (Je, ni	discrete	character	What type of alcohol beverage do you, or did you usually drink?
V259	v259	8.2.10 What type of alcohol beverage do you, or did you usually drink? (Je, ni	discrete	character	What type of alcohol beverage do you, or did you usually drink?
V260	v260	8.2.10 What type of alcohol beverage do you, or did you usually drink? (Je, ni	discrete	character	What type of alcohol beverage do you, or did you usually drink?
V261	v261	8.2.10 What type of alcohol beverage do you, or did you usually drink? (Je, ni	discrete	character	What type of alcohol beverage do you, or did you usually drink?
V262	v262	8.2.8.1 If other, please specify other type of alcohol beverage (Kama ni nying	discrete	numeric	If other, please specify other type of alcohol beverage
V263	v263	8.3.1 Do you, or have you ever taken marijuana (dagga, weed)? (Je wewe unatumia	discrete	character	Do you, or have you ever taken marijuana (dagga, weed)?
V264	v264	8.3.2 Do you, or have you ever taken methamphetamines, cocaine or any other drug	discrete	character	Do you, or have you ever taken methamphetamines, cocaine or any other drugs (dagga, glue, heroin, crack, mandrax, acid)?
V265	v265	Complete?	discrete	character	Complete?
V266	v266	9.1.1 Breast cancer (Saratani ya matiti)	discrete	character	Breast cancer
V267	v267	9.1.1.1 Have you received treatment prescribed by a doctor to treat the illness?	discrete	character	Have you received treatment prescribed by a doctor to treat the illness?
V268	v268	9.1.1.2 Are you currently on treatment prescribed by a doctor? (Je, kwa sasa u	discrete	character	Are you currently on treatment prescribed by a doctor?
V269	v269	9.1.1.3 What medication has been prescribed? Please list names if possible. (Ni	discrete	character	What medication has been prescribed?
V270	v270	9.1.1.4 Are you currently taking any herbal or traditional remedy for any of the	discrete	character	Are you currently taking any herbal or traditional remedy for any of the above illnesses?
V271	v271	9.1.2 Cervical cancer (Saratani ya chumba cha uzazi)	discrete	character	Cervical cancer
V272	v272	9.1.2.1 Have you received treatment prescribed by a doctor to treat the illness?	discrete	character	Have you received treatment prescribed by a doctor to treat the illness?
V273	v273	9.1.2.2 Are you currently on treatment prescribed by a doctor? (Je, kwa sasa uk	discrete	character	Are you currently on treatment prescribed by a doctor?
V274	v274	9.1.2.3 What medication has been prescribed? Please list names if possible. (Ni	discrete	numeric	What medication has been prescribed?
V275	v275	9.1.2.4 Are you currently taking any herbal or traditional remedy for any of the	discrete	character	Are you currently taking any herbal or traditional remedy for any of the above illnesses?
V276	v276	9.1.3 Prostate cancer (Saratani ya kibofu)	discrete	character	Prostate cancer
V277	v277	9.1.3.1 Have you received treatment prescribed by a doctor to treat the illness?	discrete	numeric	Have you received treatment prescribed by a doctor to treat the illness?
V278	v278	9.1.3.2 Are you currently on treatment prescribed by a doctor? (Je, kwa sasa uk	discrete	numeric	Are you currently on treatment prescribed by a doctor?
V279	v279	9.1.3.3 What medication has been prescribed? Please list names if possible. (Ni	discrete	numeric	What medication has been prescribed?

V280	v280	9.1.3.4 Are you currently taking any herbal or traditional remedy for any of the	discrete	numeric	Are you currently taking any herbal or traditional remedy for any of the above illnesses?
V281	v281	9.1.4 Oesophageal cancer (Saratani ya koo)	discrete	character	Oesophageal cancer
V282	v282	9.1.4.1 Have you received treatment prescribed by a doctor to treat the illness?	discrete	character	Have you received treatment prescribed by a doctor to treat the illness?
V283	v283	9.1.4.2 Are you currently on treatment prescribed by a doctor? (Je, kwa sasa uk	discrete	character	Are you currently on treatment prescribed by a doctor?
V284	v284	9.1.4.3 What medication has been prescribed? Please list names if possible. (Ni	discrete	numeric	What medication has been prescribed?
V285	v285	9.1.4.4 Are you currently taking any herbal or traditional remedy for any of the	discrete	character	Are you currently taking any herbal or traditional remedy for any of the above illnesses?
V286	v286	9.1.5 Other cancers (Saratani zingine)	discrete	character	Other cancers
V287	v287	9.1.5.1Specify other cancers (Kama ni saratani zingine taja)	discrete	character	Specify other cancers
V288	v288	9.1.5.2 Have you received treatment prescribed by a doctor to treat the illness?	discrete	character	Have you received treatment prescribed by a doctor to treat the illness?
V289	v289	9.1.5.3 Are you currently on treatment prescribed by a doctor? (Je, kwa sasa uk	discrete	character	Are you currently on treatment prescribed by a doctor?
V290	v290	9.1.5.4 What medication has been prescribed? Please list names if possible. (Ni	discrete	character	What medication has been prescribed?
V291	v291	9.1.5.5 Are you currently taking any herbal or traditional remedy for any of the	discrete	character	Are you currently taking any herbal or traditional remedy for any of the above illnesses?
V292	v292	Complete?	discrete	character	N/A
V293	v293	9.2.1 Weight problem/obesity (Shida na uzito wa mwili)	discrete	character	Weight problem/obesity
V294	v294	9.2.2 High blood pressure (Shinkizo la damu)	discrete	character	High blood pressure
V295	v295	9.2.3 High cholesterol (Wingi wa mafuta kwenye damu)	discrete	character	High cholesterol
V296	v296	9.2.4 Breast cancer (Saratani ya matiti)	discrete	character	Breast cancer
V297	v297	9.2.5 Cervical cancer (Saratani ya chumba cha uzazi)	discrete	character	Cervical cancer
V298	v298	9.2.6 Oesophageal cancer (Saratani ya koo)	discrete	character	Oesophageal cancer
V299	v299	9.2.7 Other cancer (Saratani zinginezo)	discrete	character	Other cancer
V300	v300	9.2.8 Asthma or reactive air disease (lung disease) (Ugonjwa wa pumu/Asthma)	discrete	character	Asthma or reactive air disease (lung disease)
V301	v301	9.3.1 Weight problem/obesity (Shida na uzito wa mwili)	discrete	character	Weight problem/obesity
V302	v302	9.3.2 High blood pressure (Shinkizo la damu)	discrete	character	High blood pressure
V303	v303	9.3.3 High cholesterol (Wingi wa mafuta kwenye damu)	discrete	character	High cholesterol
V304	v304	9.3.4 Prostate cancer (Saratani ya kibofu)	discrete	character	Prostate cancer
V305	v305	9.3.5 Other cancers (Saratani zinginezo)	discrete	character	Other cancers
V306	v306	9.3.6 Asthma or reactivate air disease (Ugonjwa wa pumu/Asthma ama magonjwa men	discrete	character	Asthma or reactive air disease
V307	v307	Complete?	discrete	character	Complete?
V308	v308	9.4.1 In a typical week, on how many days do you eat fruit? (Je, kwa wiki ya ka	discrete	numeric	In a typical week, on how many days do you eat fruit?
V309	v309	9.4.2 How many servings of fruit do you eat on a typical day? (Je wewe hula vip	contin	numeric	How many servings of fruit do you eat on a typical day?
V310	v310	9.4.3 In a typical week, on how many days do you eat vegetables? (Je, kwa wiki	discrete	numeric	In a typical week, on how many days do you eat vegetables?
V311	v311	9.4.4 How many servings of vegetables do you eat on a typical day? (Je wewe hul	discrete	numeric	How many servings of vegetables do you eat on a typical day?

V312	v312	9.4.5 Which are the main starchy staple foods that you eat most of? Please choos	discrete	character	Which are the main starchy staple foods that you eat most of? Please choose one or two of the following
V313	v313	9.4.5 Which are the main starchy staple foods that you eat most of? Please choos	discrete	character	Which are the main starchy staple foods that you eat most of? Please choose one or two of the following
V314	v314	9.4.5 Which are the main starchy staple foods that you eat most of? Please choos	discrete	character	Which are the main starchy staple foods that you eat most of? Please choose one or two of the following
V315	v315	9.4.5 Which are the main starchy staple foods that you eat most of? Please choos	discrete	character	Which are the main starchy staple foods that you eat most of? Please choose one or two of the following
V316	v316	9.4.5 Which are the main starchy staple foods that you eat most of? Please choos	discrete	character	Which are the main starchy staple foods that you eat most of? Please choose one or two of the following
V317	v317	9.4.5 Which are the main starchy staple foods that you eat most of? Please choos	discrete	character	Which are the main starchy staple foods that you eat most of? Please choose one or two of the following
V318	v318	9.4.5 Which are the main starchy staple foods that you eat most of? Please choos	discrete	character	Which are the main starchy staple foods that you eat most of? Please choose one or two of the following
V319	v319	9.4.5 Which are the main starchy staple foods that you eat most of? Please choos	discrete	character	Which are the main starchy staple foods that you eat most of? Please choose one or two of the following
V320	v320	9.4.5 Which are the main starchy staple foods that you eat most of? Please choos	discrete	character	Which are the main starchy staple foods that you eat most of? Please choose one or two of the following
V321	v321	9.4.5 Which are the main starchy staple foods that you eat most of? Please choos	discrete	character	Which are the main starchy staple foods that you eat most of? Please choose one or two of the following
V322	v322	9.4.5 Which are the main starchy staple foods that you eat most of? Please choos	discrete	character	Which are the main starchy staple foods that you eat most of? Please choose one or two of the following
V323	v323	9.4.5 Which are the main starchy staple foods that you eat most of? Please choos	discrete	character	Which are the main starchy staple foods that you eat most of? Please choose one or two of the following
V324	v324	9.4.5 Which are the main starchy staple foods that you eat most of? Please choos	discrete	character	Which are the main starchy staple foods that you eat most of? Please choose one or two of the following
V325	v325	9.4.5 Which are the main starchy staple foods that you eat most of? Please choos	discrete	character	Which are the main starchy staple foods that you eat most of? Please choose one or two of the following
V326	v326	9.4.6 In a typical week, on how many days do you eat such starchy staple foods?	discrete	numeric	In a typical week, on how many days do you eat such starchy staple foods?
V327	v327	9.4.7 How many servings of these starchy staple foods do you eat on a typical da	discrete	numeric	How many servings of these starchy staple foods do you eat on a typical day?
V328	v328	9.4.8 How many meals per week do you buy from a vendor or take-away or restauran	discrete	numeric	How many meals per week do you buy from a vendor or take-away or restaurant?
V329	v329	9.4.9 How many cans or bottles, or cups of sugary cold drinks (excluding fruit j	discrete	numeric	How many cans or bottles, or cups of sugary cold drinks (excluding fruit juice), do you drink in a week?
V330	v330	9.4.10 How many cans, bottles, or cups of juice do you drink in a week? (Je, ni	discrete	numeric	How many cans, bottles, or cups of juice do you drink in a week?
V331	v331	9.4.11 Has a doctor, nurse, or other healthcare worker ever told you to change y	discrete	character	Has a doctor, nurse, or other healthcare worker ever told you to change your diet (e.g to eat less sugar)?
V332	v332	9.4.12 Has a doctor, nurse, or other healthcare worker ever advised you to lose	discrete	character	Has a doctor, nurse, or other healthcare worker ever advised you to lose weight?
V333	v333	Complete?	discrete	character	N/A
V334	v334	9.5.1 Do you work with insecticides or pesticides? (Je wewe unatumia kemikali y	discrete	character	Do you work with insecticides or pesticides
V335	v335	9.5.2 How long (in years) have you been working with insecticides or pesticides?	contin	numeric	How long (in years) have you been working with insecticides or pesticides
V336	v336	9.5.3 Do you live close to a farm or region where insecticides or pesticides are	discrete	character	Do you live close to a farm or region where insecticides or pesticides are used

V337	v337	9.5.4 Do you know what type of pesticides or insecticides are used, either by you	discrete	character	Do you know what type of pesticides or insecticides are used, either by you, or within your area
V338	v338	9.5.5 Please list them if possible: (Tafadhali taja)	discrete	character	Please list them if possible:
V339	v339	9.6.1 Do you cook inside a kitchen or in an open environment? (Je, unapikia nda	discrete	character	Do you cook inside a kitchen or in an open environment?
V340	v340	9.6.1.1 Please specify other place of cooking (Tafadhali taja sehemu zingine za	discrete	numeric	Please specify other place of cooking
V341	v341	9.6.2 If cooking is done inside a kitchen, apart from the door is there a vent t	discrete	character	If cooking is done inside a kitchen, apart from the door is there a vent to the exterior (chimney, window, or other open connection)?
V342	v342	9.6.3 What type of energy source do you use for cooking in your house? (Ni aina	discrete	character	What type of energy source do you use for cooking in your house?
V343	v343	9.6.3 What type of energy source do you use for cooking in your house? (Ni aina	discrete	character	What type of energy source do you use for cooking in your house?
V344	v344	9.6.3 What type of energy source do you use for cooking in your house? (Ni aina	discrete	character	What type of energy source do you use for cooking in your house?
V345	v345	9.6.3 What type of energy source do you use for cooking in your house? (Ni aina	discrete	character	What type of energy source do you use for cooking in your house?
V346	v346	9.6.3 What type of energy source do you use for cooking in your house? (Ni aina	discrete	character	What type of energy source do you use for cooking in your house?
V347	v347	9.6.3 What type of energy source do you use for cooking in your house? (Ni aina	discrete	character	What type of energy source do you use for cooking in your house?
V348	v348	9.6.3 What type of energy source do you use for cooking in your house? (Ni aina	discrete	character	What type of energy source do you use for cooking in your house?
V349	v349	9.6.3.1 If other, please specify other energy source (Tafadhali taja nishati ny	discrete	character	If other, please specify other energy source
V350	v350	9.6.4 Did anyone smoke in your house in the past 12 months (this includes you)?	discrete	character	Did anyone smoke in your house in the past 12 months (this includes you)
V351	v351	9.6.5 On average, how often did someone smoke in your house in the past 12 month	discrete	character	On average, how often did someone smoke in your house in the past 12 months
V352	v352	9.6.6 Do you use insect repellent in your rooms (coils, aerosols, powered spray	discrete	character	Do you use insect repellent in your rooms (coils, aerosols, powered spray, any other repellent)
V353	v353	Complete?	discrete	character	N/A
V354	v354	10.1.1 Have you ever had malaria? (Je wewe umewahi ugua ugonjwa wa Malaria?)	discrete	character	Have you ever had malaria?
V355	v355	10.1.2 Have you had malaria fever in the last month? (Je umepata Malaria kwa mu	discrete	character	Have you had malaria fever in the last month
V356	v356	10.1.3 Have you traveled to an area with a high incidence of malaria, in the las	discrete	character	Have you traveled to an area with a high incidence of malaria, in the last 2 months?
V357	v357	10.2.1 Have you ever been told by a doctor, nurse or other healthcare worker tha	discrete	character	Have you ever been told by a doctor, nurse or other healthcare worker that you have TB
V358	v358	10.2.2 Have you been newly-diagnosed with TB in the last 12 months? (Je umepimw	discrete	character	Have you been newly-diagnosed with TB in the last 12 months
V359	v359	10.2.3 When was it diagnosed? (Je ulipimwa na kupatikana na kifua kikuu lini?)	discrete	character	When was it diagnosed
V360	v360	10.2.4 Have you ever received treatment for TB prescribed by a doctor, nurse, or	discrete	character	Have you ever received treatment for TB prescribed by a doctor, nurse, or other healthcare worker
V361	v361	10.2.5 Are you currently receiving treatment for TB prescribed by a doctor, nurs	discrete	character	Are you currently receiving treatment for TB prescribed by a doctor, nurse, or other healthcare worker
V362	v362	10.2.6 Have you ever been counselled by a doctor, nurse or other healthcare work	discrete	character	Have you ever been counselled by a doctor, nurse or other healthcare worker, on how you can avoid passing TB onto others
V363	v363	10.2.7 Are you currently taking any herbal or traditional remedy for TB? (Je, k	discrete	character	Are you currently taking any herbal or traditional remedy for TB?

V364	v364	10.3.1 Do you feel comfortable with answering questions about your HIV status?	discrete	character	Do you feel comfortable with answering questions about your HIV status
V365	v365	10.3.2 Have you ever been tested for HIV? (Je, umewahi pimwa virus vya ukimwi?)	discrete	character	Have you ever been tested for HIV
V366	v366	10.3.3 Do you know your HIV status? (Je, unajua hali yako?)	discrete	character	Do you know your HIV status
V367	v367	10.3.4 Have you ever tested positive for HIV? (Je, umewahi patikana na virusi y	discrete	character	Have you ever tested positive for HIV
V368	v368	10.3.5 When were you diagnosed? (Siku ngani ulipatikana na virusi?)	discrete	character	When were you diagnosed
V369	v369	10.3.6 Do you or have you used ARV medication prescribed by a doctor, nurse or h	discrete	character	Do you or have you used ARV medication prescribed by a doctor, nurse or healthcare worker to treat it
V370	v370	10.3.7 In which year did you first start treatment? (Ni mwaka gani ulianza mati	contin	numeric	In which year did you first start treatment
V371	v371	10.3.8 What ARV medication did you first start taking? (Ni madawa yapi ya ARV u	discrete	character	What ARV medication did you first start taking
V372	v372	10.3.9 Are you currently taking ARV medication? (Je, kwa sasa unatumia madawa y	discrete	character	Are you currently taking ARV medication
V373	v373	10.3.10 What ARV medication are you currently taking? (Kwa sasa madawa ngani ya	discrete	character	What ARV medication are you currently taking
V374	v374	10.3.11 Is your current ARV medication a single pill once a day? (Je, madawa ya	discrete	character	Is your current ARV medication a single pill once a day
V375	v375	10.3.12 What size pill is it? The size of an aspirin (small) or a very large pil	discrete	character	What size pill is it? The size of an aspirin (small) or a very large pill (large)
V376	v376	10.3.13 Are you currently taking any herbal or traditional remedy for HIV? (Je,	discrete	character	Are you currently taking any herbal or traditional remedy for HIV
V377	v377	10.4.1 Painful feet or hands? (Uchungu kwa miguu ama mikono?)	discrete	character	Painful feet or hands
V378	v378	10.4.2 Hypersensitivity reaction (or allergy)? (Mzio)	discrete	character	Hypersensitivity reaction (or allergy)
V379	v379	10.4.3 Kidney problems? (Shida za figo)	discrete	character	Kidney problems
V380	v380	10.4.4 Liver problems? (Shida za maini)	discrete	character	Liver problems
V381	v381	10.4.5 Change in body shape (buffalo hump or growth of breasts)? (Kubadilika kw	discrete	character	Change in body shape (buffalo hump or growth of breasts)
V382	v382	10.4.6 Change in mental state (such as forgetfulness, dizziness, hallucinations)	discrete	character	Change in mental state (such as forgetfulness, dizziness, hallucinations)
V383	v383	10.4.7 Change in cholesterol levels? (Mabadiliko ya mafuta/cholesterol mwilinin	discrete	character	Change in cholesterol levels
V384	v384	10.5.1 If you are HIV negative would you like to be tested for HIV? (Kama hauna	discrete	character	If you do not know your HIV status would you like to be tested for HIV
V385	v385	10.5.1 Do you agree to pre-HIV and post-HIV test counselling? (Je, unakubali u	discrete	character	Do you agree to pre-HIV and post-HIV test counselling
V386	v386	Complete?	discrete	character	Complete
V387	hasadoctornurseorotherhealthcare	11.1.1 Has a doctor, nurse, or other healthcare worker ever measured your blood	discrete	character	Has a doctor, nurse, or other healthcare worker ever measured your blood or urine for diabetes (sugar in the blood)
V388	v388	11.1.2 Have you ever been told by a doctor or healthcare worker, that you have d	discrete	character	Have you ever been told by a doctor or healthcare worker, that you have diabetes or high blood sugar (outside of pregnancy)
V389	v389	11.1.3 Have you been newly-diagnosed with diabetes in the last 12 months? (Je,	discrete	character	Have you been newly-diagnosed with diabetes in the last 12 months
V390	v390	11.1.4 Have you ever received treatment for diabetes prescribed by a doctor, nur	discrete	character	Have you ever received treatment for diabetes prescribed by a doctor, nurse, or other healthcare worker
V391	v391	11.1.5 Are you currently receiving treatment for diabetes prescribed by a doctor	discrete	character	Are you currently receiving treatment for diabetes prescribed by a doctor, nurse, or other healthcare worker
V392	v392	11.1.6 Are you doing anything to treat your diabetes? (Je, kwa hivi sasa unafa	discrete	character	Are you doing anything to treat your diabetes?

V393	v393	11.1.6 Are you doing anything to treat your diabetes? (Je, kwa hivi sasa unafa	discrete	character	Are you doing anything to treat your diabetes?
V394	v394	11.1.6 Are you doing anything to treat your diabetes? (Je, kwa hivi sasa unafa	discrete	character	Are you doing anything to treat your diabetes?
V395	v395	11.1.6 Are you doing anything to treat your diabetes? (Je, kwa hivi sasa unafa	discrete	character	Are you doing anything to treat your diabetes?
V396	v396	11.1.6 Are you doing anything to treat your diabetes? (Je, kwa hivi sasa unafa	discrete	character	Are you doing anything to treat your diabetes?
V397	v397	11.1.6 Are you doing anything to treat your diabetes? (Je, kwa hivi sasa unafa	discrete	character	Are you doing anything to treat your diabetes?
V398	v398	11.1.6.1 If other, please specify (Kama ni nyingine, tafadhali taja)	discrete	numeric	If other, please specify
V399	v399	11.1.7 Please list if possible, medicine you taking for diabetes? (Tafadhali	discrete	character	Please list if possible, medicine you taking for diabetes
V400	v400	11.1.8 Are you currently taking any herbal or traditional remedy for diabetes?	discrete	character	Are you currently taking any herbal or traditional remedy for diabetes
V401	v401	11.1.9 Do you have a family history of diabetes? (Je katika familia yako kuna h	discrete	character	Do you have a family history of diabetes
V402	v402	11.1.9.1 Mother (Mama)	discrete	character	Mother
V403	v403	11.1.9.2 Father (Baba)	discrete	character	Father
V404	v404	11.1.9.3 Brother 1 (Kaka wa kwanza)	discrete	character	Brother 1
V405	v405	11.1.9.4 Brother 2 (Kaka wa pili)	discrete	character	Brother 2
V406	v406	11.1.9.5 Brother 3 (Kaka wa tatu)	discrete	character	Brother 3
V407	v407	11.1.9.6 Brother 4 (Kaka wa nne)	discrete	character	Brother 4
V408	v408	11.1.9.7 Sister 1 (Dada wa kwanza)	discrete	character	Sister 1
V409	v409	11.1.9.8 Sister 2 (Dada wa pili)	discrete	character	Sister 2
V410	v410	11.1.9.9 Sister 3 (Dada wa tatu)	discrete	character	Sister 3
V411	v411	11.1.9.10 Sister 4 (Dada wa nne)	discrete	character	Sister 4
V412	v412	11.1.9.11 Son 1 (Mtoto wako mvulana wa kwanza)	discrete	character	Son 1
V413	v413	11.1.9.12 Son 2 (Mtoto wako mvulana wa pili)	discrete	character	Son 2
V414	v414	11.1.9.13 Son 3 (Mtoto wako mvulana wa tatu)	discrete	character	Son 3
V415	v415	11.1.9.14 Son 4 (Mtoto wako mvulana wa nne)	discrete	character	Son 4
V416	v416	11.1.9.15 Daughter 1 (Mtoto wako msichana wa kwanza)	discrete	character	Daughter 1
V417	v417	11.1.9.16 Daughter 2 (Mtoto wako msichana wa pili)	discrete	character	Daughter 2
V418	v418	11.1.9.17 Daughter 3 (Mtoto wako msichana wa tatu)	discrete	character	Daughter 3
V419	v419	11.1.9.18 Daughter 4 (Mtoto wako msichana wa nne)	discrete	character	Daughter 4
V420	v420	11.1.9.19 Other family member (Wengine wa familia)	discrete	character	Other family member
V421	v421	11.1.9.20 Please specify other family member(s) (Kama ni wengine wa familia, ta	discrete	character	Please specify other family member(s)
V422	v422	Complete?	discrete	character	N/A
V423	v423	11.2.1 Have you ever been told by a doctor, nurse, or other healthcare worker th	discrete	character	Have you ever been told by a doctor, nurse, or other healthcare worker that you have had a stroke
V424	v424	11.2.2 When was it first diagnosed? (year) (Je, kiharusi kiligunduliwa lini? (M	discrete	numeric	When was it first diagnosed
V425	v425	11.2.3 Have you ever been told by a doctor, nurse, or other healthcare worker th	discrete	character	Have you ever been told by a doctor, nurse, or other healthcare worker that you have had a ministroke, or transient ischemic attack (TIA)
V426	v426	11.2.4 Have you ever had sudden painless weakness on one side of your body? (Je	discrete	character	Have you ever had sudden painless weakness on one side of your body

V427	v427	11.2.5 Have you ever had sudden numbness or a dead feeling on one side of your body	discrete	character	Have you ever had sudden numbness or a dead feeling on one side of your body
V428	v428	11.2.6 Have you ever had sudden painless loss of vision in one or both eyes? (J)	discrete	character	Have you ever had sudden painless loss of vision in one or both eyes
V429	v429	11.2.7 Have you ever suddenly lost one half of your vision? (Je, umewahi kwa gh)	discrete	character	Have you ever suddenly lost one half of your vision
V430	v430	11.2.8 Have you ever suddenly lost the ability to understand what people are saying	discrete	character	Have you ever suddenly lost the ability to understand what people are saying
V431	v431	11.2.9 Have you ever suddenly lost the ability to express yourself verbally, or	discrete	character	Have you ever suddenly lost the ability to express yourself verbally, or in writing
V432	v432	11.3.1 Have you ever been told by a doctor, nurse, or other healthcare worker that	discrete	character	Have you ever been told by a doctor, nurse, or other healthcare worker that you have angina (chest pain due to heart disease)
V433	v433	11.3.2 Have you ever received treatment for chest pain due to heart disease prescribed	discrete	character	Have you ever received treatment for chest pain due to heart disease prescribed by a doctor, nurse or other healthcare worker
V434	v434	11.3.3 Are you currently taking any medication for angina prescribed by a doctor	discrete	character	Are you currently taking any medication for angina prescribed by a doctor or other healthcare worker for this
V435	v435	11.3.4 What medicine are you taking for this? (Je, ni madawa ngani unatumia ku)	discrete	character	What medicine are you taking for this
V436	v436	11.3.5 Are you currently taking any herbal or traditional remedy for angina? (J)	discrete	character	Are you currently taking any herbal or traditional remedy for angina
V437	v437	11.3.6 During the last months, have you experienced any pain or discomfort in your	discrete	character	During the last months, have you experienced any pain or discomfort in your chest, or pain going to the left arm or neck, when you walk uphill or hurry
V438	v438	11.3.7 During the last months, have you experienced any pain or discomfort in your	discrete	character	During the last months, have you experienced any pain or discomfort in your chest, or pain going to the left arm or neck, when you walk at an ordinary pace on level ground
V439	v439	11.3.8 What do you do if you get the pain or discomfort when you are walking? (J)	discrete	character	What do you do if you get the pain or discomfort when you are walking
V440	v440	11.3.9 Is the pain or discomfort relieved if you stand still? (Je, maumivu au u)	discrete	character	Is the pain or discomfort relieved if you stand still
V441	v441	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V442	v442	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V443	v443	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V444	v444	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V445	v445	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V446	v446	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V447	v447	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V448	v448	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V449	v449	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V450	v450	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort

V451	v451	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V452	v452	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V453	v453	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V454	v454	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V455	v455	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V456	v456	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V457	v457	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V458	v458	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V459	v459	11.3.10 Will you show me where you usually experience the pain or discomfort?	discrete	character	Will you show me where you usually experience the pain or discomfort
V460	v460	11.4.1 Have you ever been told by a doctor, nurse, or other healthcare worker that	discrete	character	Have you ever been told by a doctor, nurse, or other healthcare worker that you have had a heart attack
V461	v461	11.4.2 Did you ever receive medical treatment for your heart attack? (Je, umewa	discrete	character	Did you ever receive medical treatment for your heart attack
V462	v462	11.4.3 What medicine are you taking for your heart attack? (Madawa ngani unatu	discrete	character	What medicine are you taking for your heart attack
V463	v463	11.4.4 Are you currently taking any herbal or traditional remedy for your heart	discrete	character	Are you currently taking any herbal or traditional remedy for your heart attack
V464	v464	11.5.1 Have you ever been told by a doctor, nurse, or other healthcare worker that	discrete	character	Have you ever been told by a doctor, nurse, or other healthcare worker that you have had heart failure
V465	v465	11.5.2 Have you ever received medical treatment for heart failure prescribed by	discrete	character	Have you ever received medical treatment for heart failure prescribed by a doctor, nurse, or other healthcare worker
V466	v466	11.5.3 Are you currently on treatment for heart failure prescribed by a doctor,	discrete	character	Are you currently on treatment for heart failure prescribed by a doctor, nurse, or other healthcare worker
V467	v467	11.5.4 Are you taking medicine for this? (Ni madawa gani unatumia kutibu ugon	discrete	character	Are you taking medicine for this
V468	v468	11.5.5 Are you currently taking any herbal or traditional remedy for heart failure	discrete	character	Are you currently taking any herbal or traditional remedy for heart failure
V469	v469	Complete?	discrete	character	Complete
V470	v470	11.6.1 Has a doctor, nurse, or other healthcare worker ever measured your blood	discrete	character	Has a doctor, nurse, or other healthcare worker ever measured your blood pressure
V471	v471	11.6.2 Have you ever been told by a doctor, nurse, or other healthcare worker that	discrete	character	Have you ever been told by a doctor, nurse, or other healthcare worker that you have hypertension (high blood pressure)
V472	v472	11.6.3 Have you been newly-diagnosed with hypertension in the last 12 months? (discrete	character	Have you been newly-diagnosed with hypertension in the last 12 months
V473	v473	11.6.4 Have you ever received treatment for hypertension prescribed by a doctor,	discrete	character	Have you ever received treatment for hypertension prescribed by a doctor, nurse or other healthcare worker
V474	v474	11.6.5 Are you currently on treatment for hypertension prescribed by a doctor, n	discrete	character	Are you currently on treatment for hypertension prescribed by a doctor, nurse or other healthcare worker
V475	v475	11.6.6 Are you taking medicine for this? (Je ni matibabu ama dawa gani unatum	discrete	character	Are you taking medicine for this

V476	v476	11.6.7 Are you currently taking any herbal or traditional remedy for hypertension	discrete	character	Are you currently taking any herbal or traditional remedy for hypertension
V477	v477	11.7.1 Has a doctor, nurse or other healthcare worker ever measured your cholesterol	discrete	character	Has a doctor, nurse or other healthcare worker ever measured your cholesterol
V478	v478	11.7.2 Have you ever been told by your doctor or other healthcare worker told you	discrete	character	Have you ever been told by your doctor or other healthcare worker told you that you have high cholesterol
V479	v479	11.7.3 Have you ever been treated for high cholesterol by a doctor, nurse, or ot	discrete	character	Have you ever been treated for high cholesterol by a doctor, nurse, or other healthcare worker
V480	v480	11.7.4 Are you currently using any of the following to treat your high cholesterol	discrete	character	Are you currently using any of the following to treat your high cholesterol, as prescribed by a doctor, nurse, or other healthcare worker?
V481	v481	11.7.4 Are you currently using any of the following to treat your high cholesterol	discrete	character	Are you currently using any of the following to treat your high cholesterol, as prescribed by a doctor, nurse, or other healthcare worker?
V482	v482	11.7.4 Are you currently using any of the following to treat your high cholesterol	discrete	character	Are you currently using any of the following to treat your high cholesterol, as prescribed by a doctor, nurse, or other healthcare worker?
V483	v483	11.7.4 Are you currently using any of the following to treat your high cholesterol	discrete	character	Are you currently using any of the following to treat your high cholesterol, as prescribed by a doctor, nurse, or other healthcare worker?
V484	v484	11.7.4 Are you currently using any of the following to treat your high cholesterol	discrete	character	Are you currently using any of the following to treat your high cholesterol, as prescribed by a doctor, nurse, or other healthcare worker?
V485	v485	11.7.4.1 Specify other treatment (Taja matibabu ingine)	discrete	numeric	Specify other treatment
V486	v486	11.7.5 Are you taking medicine for this? (Je unatumia dawa kwa huu ugonjwa?)	discrete	character	Are you taking medicine for this
V487	v487	11.7.6 Are you currently taking any herbal or traditional remedy for high choles	discrete	character	Are you currently taking any herbal or traditional remedy for high cholesterol
V488	v488	Complete?	discrete	character	Complete
V489	v489	11.8.1 Has a doctor ever told you that you have thyroid disease? (Je, daktari w	discrete	character	Has a doctor ever told you that you have thyroid disease
V490	v490	11.8.2 Do you know what type of thyroid disease you were diagnosed with? (Je un	discrete	character	Do you know what type of thyroid disease you were diagnosed with
V491	v491	If yes, please specify	discrete	character	If yes, please specify
V492	v492	11.8.4 Have you ever been treated for it? (Je umewahi kupokea matibabu kuhusian	discrete	character	Have you ever been treated for it
V493	v493	11.8.5 What treatment did you use? (Je ulitumia matibabu ya aina gani?)	discrete	character	What treatment did you use
V494	v494	11.8.6 Do either of your parents have, or have they had, thyroid disease? (Je k	discrete	character	Do either of your parents have, or have they had, thyroid disease
V495	v495	11.8.7 Please specify which (Kama ndio, taja ni nani kati yao (mama, baba ama w	discrete	numeric	Please specify which
V496	v496	11.9.1 Has a doctor ever told you that you have kidney disease? (Je, daktari am	discrete	character	Has a doctor ever told you that you have kidney disease
V497	v497	11.9.2 Do you know what type of kidney disease? (/ Je, unajua ni aina gani ya m	discrete	character	Do you know what type of kidney disease
V498	v498	11.9.3 Please specify the type of kidney disease (Kama ndio, tafadhali nitajie)	discrete	character	Please specify the type of kidney disease
V499	v499	11.9.4 Has a doctor ever told you that your kidneys have low function? (Je, dak	discrete	character	Has a doctor ever told you that your kidneys have low function
V500	v500	11.9.5 Has anyone in your family either had kidney disease, or died from it? (J	discrete	character	Has anyone in your family either had kidney disease, or died from it
V501	v501	11.9.6 If yes, mother? (Kama ndio, mama?)	discrete	character	If yes, mother
V502	v502	11.9.7 If yes, father? (Kama ndio, baba?)	discrete	character	If yes, father
V503	v503	11.9.8 If yes, other? (Kama ndio, wengine?)	discrete	character	If yes, other

V504	v504	11.9.9 If other, who? (Kama wengine, nani?)	discrete	character	If other, who
V505	v505	11.9.10 Do you know what kind of kidney disease he or she had? (Je, unafahamu n	discrete	character	Do you know what kind of kidney disease he or she had
V506	v506	11.9.11 If yes, please specify (Kama ndio, nieleze/ taja)	discrete	numeric	If yes, please specify
V507	v507	11.10.1 Are your joints ever swollen or painful? (Je, viungo vyako vimewahi kuf	discrete	character	Are your joints ever swollen or painful
V508	v508	11.10.2 How many joints are swollen or painful? (Ni viungo ngapi vimefura au ku	discrete	character	How many joints are swollen or painful
V509	v509	11.10.3 Which joints are involved? Small joints (hands, feet) or Large joints (w	discrete	character	Which joints are involved? Small joints (hands, feet) or Large joints (wrists, elbows, shoulders, hips, knees, ankles)
V510	v510	11.10.4 Do they hurt mostly in the morning, afternoon or all the time (Je viung	discrete	character	Do they hurt mostly in the morning, afternoon or all the time
V511	v511	11.10.5 In retrospect, how long do you think that you've had these symptoms? (K	discrete	character	In retrospect, how long do you think that you've had these symptoms
V512	v512	11.10.6 Have you had the following laboratory tests performed to assess the arth	discrete	character	Have you had the following laboratory tests performed to assess the arthritis and been told the result
V513	v513	11.10.6 Rheumatoid Factor (RF)	discrete	character	Rheumatoid Factor (RF)
V514	v514	11.10.7 Anti-citrullinated protein antibody (ACPA)	discrete	character	Anti-citrullinated protein antibody (ACPA)
V515	v515	11.10.8 ESR and/or CRP	discrete	character	ESR and/or CRP
V516	v516	11.11.1.1 Has a doctor ever told you that you have osteoarthritis? (Je, daktari	discrete	character	
V517	v517	11.11.1.2 If YES which joint(s)/site(s)? (Kama ndio, ni mafundo/ sehemu ipi m	discrete	character	
V518	v518	11.11.1.2 If YES which joint(s)/site(s)? (Kama ndio, ni mafundo/ sehemu ipi m	discrete	character	
V519	v519	11.11.1.2 If YES which joint(s)/site(s)? (Kama ndio, ni mafundo/ sehemu ipi m	discrete	character	
V520	v520	11.11.1.2 If YES which joint(s)/site(s)? (Kama ndio, ni mafundo/ sehemu ipi m	discrete	character	
V521	v521	11.11.1.2 If YES which joint(s)/site(s)? (Kama ndio, ni mafundo/ sehemu ipi m	discrete	character	
V522	v522	11.11.1.2 If YES which joint(s)/site(s)? (Kama ndio, ni mafundo/ sehemu ipi m	discrete	character	
V523	v523	11.11.1.2 If YES which joint(s)/site(s)? (Kama ndio, ni mafundo/ sehemu ipi m	discrete	character	
V524	v524	11.11.2 Have you undergone hip replacement surgery for osteoarthritis?	discrete	character	
V525	v525	11.11.2.1 If YES, which hip? (Kama ndio, kiuno ipi)	discrete	numeric	
V526	v526	11.11.2.2 At what age did you have the first hip replacement surgery? (Ulikua u	discrete	numeric	
V527	v527	11.11.3 Have you undergone knee replacement surgery for osteoarthritis? (Je, uf	discrete	character	
V528	v528	11.11.3.1 If YES, which knee? (Kama ndio, goti ipi?)	discrete	numeric	
V529	v529	11.11.3.2 At what age did you have the first knee replacement surgery? (Ulikua	discrete	numeric	
V530	v530	Complete?	discrete	character	Complete?
V531	v531	12.1.2 Do you work over the weekend? (Je, wewe hufanya kazi hata mwisho wa wiki	discrete	character	Do you work over the weekend
V532	v532	12.2.1 Does your work involve mostly sitting or standing still, or walking for v	discrete	character	Does your work involve mostly sitting or standing still, or walking for very short periods (less than 10 minutes)
V533	v533	12.2.2 Does your work involve vigorous activities (heavy lifting, digging, manua	discrete	character	Does your work involve vigorous activities (heavy lifting, digging, manual labour or construction) for at least 10 minutes at a time

V534	v534	12.2.3 In a usual week, how many days are spent doing vigorous activities as par	discrete	numeric	In a usual week, how many days are spent doing vigorous activities as part of your work
V535	v535	12.2.4 On a usual day of vigorous work, how much time do you spend doing these a	contin	numeric	On a usual day of vigorous work, how much time do you spend doing these activities
V536	v536	12.2.4.1 On a usual day of vigorous work, how many hours are spent doing these a	discrete	numeric	On a usual day of vigorous work, how many hours are spent doing these activities? (hours)
V537	v537	12.2.4.2 On a usual day of vigorous work, how many hours are spent doing these a	contin	numeric	On a usual day of vigorous work, how many hours are spent doing these activities? (minutes)
V538	v538	12.2.5 Does your work involve moderate-intensity activities (brisk walking or ca	discrete	character	Does your work involve moderate-intensity activities (brisk walking or carrying light loads) for at least 10 minutes at a time?
V539	v539	12.2.6 In a usual week, how many days are spent doing moderate-intensity activit	discrete	numeric	In a usual week, how many days are spent doing moderate-intensity activities at work
V540	v540	12.2.7 On a usual work day, how much time do you spend doing moderate-intensity	contin	numeric	On a usual work day, how much time do you spend doing moderate-intensity activities
V541	v541	12.2.7.1 On a usual work day, how many hours are spent doing moderate-intensity	discrete	numeric	On a usual work day, how many hours are spent doing moderate-intensity activities (hours)
V542	v542	12.2.7.2 On a usual work day, how many hours are spent doing moderate-intensity	contin	numeric	On a usual work day, how many hours are spent doing moderate-intensity activities (minutes)
V543	v543	12.2.8 How long is your usual work day? (Je, siku ya kawaida ya wewe hufanya ka	contin	numeric	How long is your usual work day
V544	v544	12.2.8.1 How long is your usual work day (hours)? (Je, kwa siku moja ya kawaida	contin	numeric	How long is your usual work day (hours)
V545	v545	12.2.8.2 How long is your usual work day (minutes)? (Je, kwa siku moja ya kawai	contin	numeric	How long is your usual work day (minutes)
V546	v546	12.3.1 Do you walk or use a bicycle (for at least minutes at a time) to get to a	discrete	character	Do you walk or use a bicycle (for at least minutes at a time) to get to and from places
V547	v547	12.3.2 In a usual week, how many days do you walk or cycle, for at least 10 minu	discrete	numeric	In a usual week, how many days do you walk or cycle, for at least 10 minutes, to get to and from places
V548	v548	12.3.3 On a usual day, how much time do you spend walking or cycling for travel?	contin	numeric	On a usual day, how much time do you spend walking or cycling for travel
V549	v549	12.3.3.1 On a usual day, how many hours do you spend walking or cycling for trav	discrete	numeric	On a usual day, how many hours do you spend walking or cycling for travel?
V550	v550	12.3.3.2 On a usual day, how many minutes do you spend walking or cycling for tr	contin	numeric	On a usual day, how many minutes do you spend walking or cycling for travel?
V551	v551	12.4.1 In your spare time, do you engage in any vigorous or moderate-intensity p	discrete	character	In your spare time, do you engage in any vigorous or moderate-intensity physical activities lasting more than 10 minutes at a time
V552	v552	12.4.2 In your spare time do you do any vigorous activities like running, strenu	discrete	character	In your spare time do you do any vigorous activities like running, strenuous sport or exercise, for at least 10 minutes at a time
V553	v553	12.4.3 In a usual week, how many days do you engage in vigorous activities as pa	discrete	numeric	In a usual week, how many days do you engage in vigorous activities as part of your leisure time
V554	v554	12.4.4 In a normal day, how much leisure time is spent doing vigorous activities	contin	numeric	In a normal day, how much leisure time is spent doing vigorous activities
V555	v555	12.4.4.1 In a normal day, how many leisure hours are spent doing vigorous activ	discrete	numeric	In a normal day, how many leisure hours are spent doing vigorous activities?
V556	v556	12.4.4.2 In a normal day, how many leisure minutes are spent doing vigorous act	contin	numeric	In a normal day, how many leisure minutes are spent doing vigorous activities
V557	v557	12.4.5 In your spare time, do you engage in any moderately intense physical acti	discrete	character	In your spare time, do you engage in any moderately intense physical activities like walking or swimming, for at least 10 minutes at a time

V558	v558	12.4.6 In a normal week, how many days are spent engaging in moderately intense	discrete	numeric	In a normal week, how many days are spent engaging in moderately intense physical activities as part of your leisure time
V559	v559	12.4.7 How much leisure time is spent doing moderate-intensity activities in a n	contin	numeric	How much leisure time is spent doing moderate-intensity activities in a normal day
V560	v560	12.4.7.1 How many leisure hours are spent doing moderate-intensity activities in	discrete	numeric	How many leisure hours are spent doing moderate-intensity activities in a normal day
V561	v561	12.4.7.2 How many leisure minutes are spent doing moderate-intensity activities	contin	numeric	How many leisure minutes are spent doing moderate-intensity activities in a normal day
V562	v562	12.5.1 On a working day, how much time do you usually spend sitting or reclining	contin	numeric	On a working day, how much time do you usually spend sitting or reclining (excluding sleep)? This may include time sitting at a desk, visiting friends, reading, or sitting down to watch television during working hours and leisure or spare time
V563	v563	12.5.1.1 On a working day, how much time do you usually spend sitting or reclini	discrete	numeric	On a working day, how much time do you usually spend sitting or reclining (excluding sleep)? This may include time sitting at a desk, visiting friends, reading, or sitting down to watch television during working hours and leisure or spare time (hours).
V564	v564	12.5.1.2 On a working day, how much time do you usually spend sitting or reclini	contin	numeric	On a non-working day, how much time do you usually spend sitting or reclining (excluding sleep)? This may include time sitting at a desk, visiting friends, reading, or sitting down to watch television during working hours and leisure or spare time
V565	v565	12.5.2 On a non-working day, how much time do you usually spend sitting or recl	contin	numeric	On a non-working day, how much time do you usually spend sitting or reclining (excluding sleep)? This may include time sitting at a desk, visiting friends, reading, or sitting down to watch television during working hours and leisure or spare time
V566	v566	12.5.2.1 On a non-working day, how much time do you usually spend sitting or rec	discrete	numeric	On a non-working day, how much time do you usually spend sitting or reclining (excluding sleep)? This may include time sitting at a desk, visiting friends, reading, or sitting down to watch television during working hours and leisure or spare time (hours)
V567	v567	12.5.2.2 On a non-working day, how much time do you usually spend sitting or rec	contin	numeric	On a non-working day, how much time do you usually spend sitting or reclining (excluding sleep)? This may include time sitting at a desk, visiting friends, reading, or sitting down to watch television during working hours and leisure or spare time
V568	v568	12.6.1 What time do you go to sleep during the week? (Huenda kulala saa ngapi k	discrete	character	What time do you go to sleep during the week
V569	v569	12.6.2 What time do you wake up during the week? (Je, wewe huamka saa ngapi kil	discrete	character	What time do you wake up during the week
V570	v570	12.6.3 What time do you go to sleep during the weekend? (Je, wewe huenda kulala	discrete	character	What time do you go to sleep during the weekend
V571	v571	12.6.4 What time do you wake up during the weekend? (Je, wewe huamka saa ngapi	discrete	character	What time do you wake up during the weekend
V572	v572	12.6.5 How many people sleep in the same room as you, including you? (Je, ni w	discrete	numeric	How many people sleep in the same room as you, including you
V573	v573	12.6.6 Do the livestock sleep in the same room as you? (Je, mifugo pia hulala	discrete	character	Do the livestock sleep in the same room as you
V574	v574	12.6.7 What do you sleep on? (Wewe hulalia nini?)	discrete	character	What do you sleep on
V575	v575	12.6.8 Do you sleep in a mosquito net? (Je, wewe hulala ndani ya neti?)	discrete	character	Do you sleep under a mosquito net
V576	v576	12.6.9 When do you feel the most alert, awake, and energetic? (Ni wakati gani u	discrete	character	When do you feel the most alert, awake, and energetic

V577	v577	12.6.10 Do you have any difficulty falling asleep? (Je, uko na ugumu wa kupata	discrete	character	Do you have any difficulty falling asleep
V578	v578	12.6.11 Do you have any difficulty staying asleep? (Je, una ugumu wowote wa ku	discrete	character	Do you have any difficulty staying asleep
V579	v579	12.6.12 Do you have any problems waking up too early? (Je, una tatizo lolote	discrete	character	Do you have any problems waking up too early
V580	v580	12.6.13 Do you have problems with waking up still feeling tired? (Je, una tatiz	discrete	character	Do you have problems with waking up still feeling tired
V581	v581	12.6.14 How SATISFIED/DISSATISFIED are you with your CURRENT sleep pattern? (J	discrete	character	How SATISFIED/DISSATISFIED are you with your CURRENT sleep pattern
V582	v582	12.6.16 To what extent do you consider your sleep problem to INTERFERE with you	discrete	character	To what extent do you consider your sleep problem to INTERFERE with your daily functioning (e.g. daytime fatigue, mood, ability to function at work/daily chores, concentration, memory, mood, etc.) CURRENTLY
V583	v583	Complete?	discrete	character	Complete?
V584	v584	13.1.1 Standing height (mm) (Urefu)	contin	numeric	Standing height (cm)
V585	v585	13.2.1 Weight (kg) (Mizani)	contin	numeric	Weight (kg)
V586	v586	13.3.1 Waist circumference (cm) (Kipimo cha kiuno)	contin	numeric	Waist circumference (cm)
V587	v587	13.3.2 Waist circumference (cm) (Kipimo cha kiuno)	contin	numeric	Waist circumference (cm)
V588	v588	13.3.3 Average waist circumference (cm) (Wastani wa kipimo cha kiuno)	contin	numeric	Average waist circumference (cm)
V589	v589	13.4.1 Hip circumference (cm) (Mduara wa hip)	contin	numeric	Hip circumference (cm)
V590	v590	13.4.2 Hip circumference (cm) (Mduara wa hip)	contin	numeric	Hip circumference (cm)
V591	v591	13.4.3 Average hip circumference (cm) (Wastani wa mduara wa hip)	contin	numeric	Average hip circumference (cm)
V592	v592	13.5 Person performing measurements (Yule ambaye anafanya vipimo)	discrete	character	Person performing measurements
V593	v593	Complete?	discrete	character	N/A
V594	v594	14.1.1 Systolic measurement 1 (shinikizo la damu la systolic 1)	contin	numeric	Systolic measurement 1
V595	v595	14.1.2 Diastolic measurement 1 (shinikizo la damu la diastolic 1)	contin	numeric	Diastolic measurement 1
V596	v596	14.1.3 Pulse measurement 1 (kiwango cha mapigo 1)	contin	numeric	Pulse measurement 1
V597	v597	14.1.4 Time that first set of measurements were taken (Wakati kipimo cha kwanza	discrete	character	Time that first set of measurements were taken
V598	v598	14.2.1 Systolic measurement 2 (shinikizo la damu la systolic 2)	contin	numeric	Systolic measurement 2
V599	v599	14.2.2 Diastolic measurement 2 (shinikizo la damu la diastolic 2)	contin	numeric	Diastolic measurement 2
V600	v600	14.2.3 Pulse measurement 2 (kiwango cha mapigo 2)	contin	numeric	Pulse measurement 2
V601	v601	14.2.4 Time that second set of measurements were taken (Wakati kipimo cha pili	discrete	character	Time that second set of measurements were taken
V602	v602	14.3.1 Systolic measurement 3 (shinikizo la damu la systolic 3)	contin	numeric	Systolic measurement 3
V603	v603	14.3.2 Diastolic measurement 3 (shinikizo la damu la diastolic 3)	contin	numeric	Diastolic measurement 3
V604	v604	14.3.3 Pulse measurement 3 (kiwango cha mapigo 3)	contin	numeric	Pulse measurement 3
V605	v605	14.3.4 Time that third set of measurements were taken (Wakati kipimo cha tatu k	discrete	character	Time that third set of measurements were taken
V606	v606	14.4 Person performing measurements (Yule ambaye anatoa vipimo)	discrete	character	Person performing measurements
V607	v607	14.5.1 BP Systolic Average (Shinikizo la damu wastani la systolic)	contin	numeric	BP Systolic Average

V608	v608	14.5.2 BP Diastolic Average (shinikizo la damu wastani la diastolic)	contin	numeric	BP Diastolic Average
V609	v609	14.5.3 BP Pulse average (Wastani wa kiwango cha mapigo)	contin	numeric	BP Pulse average
V610	v610	Complete?	discrete	character	Complete
V611	v611	15.1.1 Was VAT and SCAT measured? (VAT na SCAT vilipimwa?)	discrete	character	Was VAT and SCAT measured
V612	v612	15.1.1.1 Comment if No (Maoni kama hakuna)	discrete	character	Comment if No
V613	v613	15.1.2 Name of ultrasound technician (Jina ya anayepima)	discrete	character	Name of ultrasound technician
V614	v614	15.1.3 Visceral (transverse) fat (cm), to two decimal points. (Mafuta ya viscer	contin	numeric	Visceral (medial) fat (cm), to two decimal points.
V615	v615	15.1.4 Subcutaneous (transverse) fat (cm), to two decimal points/ Mafuta ya subc	contin	numeric	Subcutaneous (transverse) fat (cm), to two decimal points
V616	v616	15.2.1 Was cIMT measured? (cIMT ilipimwa?)	discrete	character	Was cIMT measured
V617	v617	15.2.1.1 Comment if No (Maoni kama hakuna)	discrete	character	Comment if No
V618	v618	15.2.2 Name of ultrasound technician (Jina ya anayepima)	discrete	character	Name of ultrasound technician
V619	v619	15.2.3 Minimum cIMT on the right (mm), to two decimal places. (Kiwango cha chin	contin	numeric	Minimum cIMT on the right
V620	v620	15.2.4 Maximum cIMT on the right (mm), to two decimal places. (Kiwango cha juu	contin	numeric	Maximum cIMT on the right
V621	v621	15.2.5 Average cIMT on the right (mm), to two decimal places. (Wastani wa cIMT	contin	numeric	Average cIMT on the right
V622	v622	15.2.6 Minimum cIMT on the left (mm), to two decimal places. (Kiwango cha chin	contin	numeric	Minimum cIMT on the left
V623	v623	15.2.7 Maximum cIMT on the left (mm), to two decimal places. (Kiwango cha juu c	contin	numeric	Maximum cIMT on the left
V624	v624	15.2.8 Average cIMT on the left (mm), to two decimal places. (Wastani wa cIMT u	contin	numeric	Mean cIMT on the left
V625	v625	15.3.1 Was plaque measured? (Plaque ilipimwa?)	discrete	character	Was plaque measured
V626	v626	15.3.1.1 Comment if No (Maoni kama hakuna)	discrete	character	Comment if No
V627	v627	15.3.2 Name of ultrasound technician (Jina ya anayepima)	discrete	character	Name of ultrasound technician
V628	v628	15.3.3 Was plaque present on the right? (Plaque ilionekana upande wa kulia?)	discrete	character	Was plaque present on the right
V629	v629	15.3.4 Plaque thickness on the right (mm), to two decimal points. (Unene wa pla	contin	numeric	Minimum plaque thickness on the right
V630	v630	15.3.5 Was plaque present on the left? (Plaque ilionekana upande wa kushoto?)	discrete	character	Was plaque present on the left
V631	v631	15.3.6 Plaque thickness on the left (mm), to two decimal places. (Unene wa plaq	contin	numeric	Minimum plaque thickness on the left
V632	v632	15.4.1 Was the DXA Scan Completed? (Kipimo cha DXA scan kilimalizika?)	discrete	character	Was the DXA Scan Completed
V633	v633	15.4.1.1 Comment if No (Maoni kama hakuna)	discrete	character	Comment if No
V634	v634	15.4.2 Measurement 1 (Kipimo cha kwanza)	discrete	numeric	Measurement 1
V635	v635	15.4.3 Measurement 2 (Kipimo cha pili)	discrete	numeric	Measurement 2
V636	v636	15.4.4 Measurement 3 (Kipimo cha tatu)	discrete	numeric	Measurement 3
V637	v637	15.4.5 Measurement 4 (Kipimo cha nne)	discrete	numeric	Measurement 4
V638	v638	15.4.6 Measurement 5 (Kipimo cha tano)	discrete	numeric	Measurement 5
V639	v639	Complete?	discrete	character	Complete?
V640	doyoucurrentlysufferfromshortnes	Suffer from Short Breath?	discrete	character	Do you CURRENTLY suffer from shortness of breath and a productive cough that has not gone away over the last year

V641	v641	16.1.1.2 Have you EVER experienced shortness of breath and a productive cough th	discrete	character	Have you EVER experienced shortness of breath and a productive cough that persisted for a year or more
V642	v642	16.1.1.3 Do you bring up phlegm/sputum/mucus on most days? (Je, weve hutokwa na	discrete	character	Do you bring up phlegm/sputum/mucus on most days
V643	v643	16.1.1.4 Are you often too short of breath to leave the house, or short of breath	discrete	character	Are you often too short of breath to leave the house, or short of breath on dressing or undressing
V644	v644	16.1.1.5 Do you usually cough when you don't have a cold? (Je, weve hukohoa nya	discrete	character	Do you usually cough when you don't have a cold
V645	v645	16.1.1.6 Have you had wheezing or whistling in the chest in the past 12 months?	discrete	character	Have you had wheezing or whistling in the chest in the past 12 months
V646	v646	16.1.2 Has a doctor, nurse or healthcare professional ever told you that you have	discrete	character	Has a doctor, nurse or healthcare professional ever told you that you have asthma
V647	v647	16.1.2.1 At what age were you first diagnosed with asthma? (Ulikua na miaka mi	contin	numeric	At what age were you first diagnosed with asthma
V648	v648	16.1.2.2 Have you received treatment prescribed by a health professional for you	discrete	character	Have you received treatment prescribed by a health professional for your asthma
V649	v649	16.1.2.3 Are you currently on treatment prescribed by a health professional for	discrete	character	Are you currently on treatment prescribed by a health professional for asthma
V650	v650	16.1.3 Has a doctor, nurse or healthcare professional ever told you that you suffer	discrete	character	Has a doctor, nurse or healthcare professional ever told you that you suffer from any of the following conditions
V651	v651	16.1.3 Has a doctor, nurse or healthcare professional ever told you that you suffer	discrete	character	Has a doctor, nurse or healthcare professional ever told you that you suffer from any of the following conditions
V652	v652	16.1.3 Has a doctor, nurse or healthcare professional ever told you that you suffer	discrete	character	Has a doctor, nurse or healthcare professional ever told you that you suffer from any of the following conditions
V653	v653	16.1.3 Has a doctor, nurse or healthcare professional ever told you that you suffer	discrete	character	Has a doctor, nurse or healthcare professional ever told you that you suffer from any of the following conditions
V654	v654	16.1.3 Has a doctor, nurse or healthcare professional ever told you that you suffer	discrete	character	Has a doctor, nurse or healthcare professional ever told you that you suffer from any of the following conditions
V655	v655	16.1.3 Has a doctor, nurse or healthcare professional ever told you that you suffer	discrete	character	Has a doctor, nurse or healthcare professional ever told you that you suffer from any of the following conditions
V656	v656	16.1.3.2 Are you currently on treatment prescribed by a health professional for	discrete	character	Are you currently on treatment prescribed by a health professional for any of the above
V657	v657	16.1.4 Do you use any inhaled medication using a puffer? Please note that you will	discrete	character	Do you use any inhaled medication using a puffer
V658	v658	16.1.4.1 If yes, please list the medication and dosage. (Kama ndio, tafadhali n	discrete	character	If yes, please list the medication and dosage.
V659	v659	16.1.4.2 If yes, how many puffs at a time. (Kama ndio, ni mara ngapi?)	discrete	numeric	If yes, how many puffs at a time
V660	v660	16.1.4.3 If yes, how many times a day. (Kama ndio, ni mara ngapi kwa siku?)	discrete	numeric	If yes, how many times a day
V661	v661	16.1.5 Have you ever suffered from any of the following? (Je, umewahi kuugua m	discrete	character	Have you ever suffered from any of the following
V662	v662	16.1.5 Have you ever suffered from any of the following? (Je, umewahi kuugua m	discrete	character	Have you ever suffered from any of the following
V663	v663	16.1.5 Have you ever suffered from any of the following? (Je, umewahi kuugua m	discrete	character	Have you ever suffered from any of the following
V664	v664	16.1.5 Have you ever suffered from any of the following? (Je, umewahi kuugua m	discrete	character	Have you ever suffered from any of the following
V665	v665	16.1.5 Have you ever suffered from any of the following? (Je, umewahi kuugua m	discrete	character	Have you ever suffered from any of the following
V666	v666	Complete?	discrete	character	Complete?

V667	v667	16.2.1 Have you had chest trauma or any major surgery in the last 6 weeks involv	discrete	numeric	Have you had chest trauma or any major surgery in the last 6 weeks involving the eye, ear, chest, abdomen, brain, nose or throat
V668	v668	16.2.2 In the last 4 weeks have you had any chest pain due to heart disease that	discrete	numeric	In the last 4 weeks have you had any chest pain due to heart disease that is not well controlled, or been told that you have an aneurysm, or suffered from a heart attack or stroke
V669	v669	16.2.3 Have you recently or are you currently coughing up any blood? (Je, hivi	discrete	numeric	Have you recently or are you currently coughing up any blood
V670	v670	16.2.4 Has a health professional told you that you had or currently have an acut	discrete	numeric	Has a health professional told you that you had or currently have an acute retinal detachment
V671	v671	16.2.5 Are you in any pain now that could limit you from blowing with effort? (discrete	numeric	Are you in any pain now that could limit you from blowing with effort
V672	v672	16.2.6 Are you currently suffering from acute diarrhea, vomiting or nausea that	discrete	numeric	Are you currently suffering from acute diarrhea, vomiting or nausea that may limit you from blowing with effort
V673	v673	16.2.7 Does the participant have high blood pressure above 180mmHg systolic or 1	discrete	numeric	Does the participant have high blood pressure above 180mmHg systolic or 110mmHg diastolic (tested in section xxxx)
V674	v674	16.2.8 Have you been recently diagnosed with TB? (Je, umewahi patikana na kifua	discrete	numeric	Have you been recently diagnosed with TB
V675	v675	16.2.8.1 Did you start your treatment within the past 4 weeks? (Je, umeanza ma	discrete	numeric	Did you start your treatment within the past 4 weeks
V676	v676	16.2.9 Have you had a respiratory infection in the last 3 weeks? If yes, show	discrete	character	Have you had a respiratory infection in the last 3 weeks
V677	v677	16.2.9 Have you had a respiratory infection in the last 3 weeks? If yes, show	discrete	character	Have you had a respiratory infection in the last 3 weeks
V678	v678	16.2.9 Have you had a respiratory infection in the last 3 weeks? If yes, show	discrete	character	Have you had a respiratory infection in the last 3 weeks
V679	v679	16.2.9 Have you had a respiratory infection in the last 3 weeks? If yes, show	discrete	character	Have you had a respiratory infection in the last 3 weeks
V680	v680	16.2.9 Have you had a respiratory infection in the last 3 weeks? If yes, show	discrete	character	Have you had a respiratory infection in the last 3 weeks
V681	v681	16.2.9 Have you had a respiratory infection in the last 3 weeks? If yes, show	discrete	character	Have you had a respiratory infection in the last 3 weeks
V682	v682	16.2.9 If yes, do you feel well enough to participate in this test? (Kama ndio,	discrete	numeric	If yes, do you feel well enough to participate in this test
V683	v683	16.2.10 Are you wearing any tight clothing that interferes with your ability to	discrete	numeric	Are you wearing any tight clothing that interferes with your ability to breathe deeply
V684	v684	16.2.11 Are you wearing dentures? (Je, umevaa meno bandia?)	discrete	numeric	Are you wearing dentures
V685	theparticipantcannotdospirometry	The participant cannot do spirometry because of (Muhusika hawezi shiriki zoezi	discrete	numeric	The participant cannot do spirometry because of
V686	v686	16.2.12 Is participant able to take the spirometry test? (Je, muhusika anaweza	discrete	numeric	Is participant able to take the spirometry test
V687	v687	Complete?	discrete	character	Complete?
V688	v688	16.3.1 Confirm that the participant is eligible to perform the test (Nashuhudia	discrete	numeric	Confirm that the participant is eligible to perform the test
V689	v689	16.3.2 Person performing spirometry (Yule anafanyisha zoezi)	discrete	numeric	Person performing spirometry
V690	v690	16.3.3.1 Total number of blows (Idadi jumla ya vipulizo)	discrete	numeric	Total number of blows
V691	v691	16.3.3.2 Number of valid blows (Idadi ya vipulizo halali)	discrete	numeric	Number of valid blows
V692	v692	16.3.4 Was the FEV1/FVC ratio for one of the three valid blows less than 0.7? (discrete	numeric	Was the FEV1/FVC ratio for one of the three valid blows less than 0.7
V693	v693	16.3.5 Comments (Maoni)	discrete	numeric	Comments
V694	v694	Complete?	discrete	character	Complete?
V695	v695	16.4.1 Was the salbutamol administered? (Je, muhusika alipewa salbutamol?)	discrete	numeric	Was the salbutamol administered

V696	v696	16.4.1.1 What time was the salbutamol administered? (Ni saa ngapi alipewa salbut)	discrete	numeric	What time was the salbutamol administered
V697	v697	16.4.1.2 What time was the spirometry started? (Ni saa ngapi kipimo cha mapafu)	discrete	numeric	What time was the spirometry started
V698	v698	16.4.2 Person performing spirometry (Nani aanayefanya kipimo cha mapafu?)	discrete	numeric	Person performing spirometry
V699	v699	16.4.3 Total number of blows (Jumla ya vupulizo)	discrete	numeric	Total number of blows
V700	v700	16.4.4 Number of valid blows (Idadi ya vipulizo saa hii)	discrete	numeric	Number of valid blows
V701	v701	16.4.5 Comments	discrete	numeric	Comments
V702	v702	Complete?	discrete	character	Complete?
V703	v703	17.1.1 When did you last take an antibiotic? (Je, ni lini mwisho kuchukua anti)	discrete	character	When did you last take an antibiotic
V704	v704	17.1.2 When did you last have diarrhea? (Je, ni lini mwisho uliharisha?) Gi	discrete	character	When did you last have diarrhea
V705	v705	17.1.3 Have you ever been treated for worms in your intestine? (Je, umewahi kut	discrete	character	Have you ever been treated for worms in your intestine
V706	v706	17.1.6 How long ago did you take probiotics? (Kwa muda ngani umetumia probiotik	discrete	character	How long ago did you take probiotics
V707	v707	17.1.4 How long ago did you take medication for worms in your intestine (Umetum	discrete	character	How long ago did you take medication for worms in your intestine
V708	v708	17.1.5 Have you ever taken probiotics? (Je umewahi tumia probiotiki)	discrete	character	Have you ever taken probiotics
V709	v709	Complete?	discrete	character	Complete?
V710	v710	17.2.1 At what time did you last eat? (Ni saa ngapi ulikula chakula?)	discrete	character	At what time did you last eat
V711	v711	17.2.1.1 Hours last ate (Masaa uliyokula mwisho)	contin	numeric	Hours last ate
V712	v712	17.2.2 At what time did you last drink a sugar sweetened or alcohol containing b	discrete	character	At what time did you last drink a sugar sweetened or alcohol containing beverage
V713	v713	17.2.2.1 Hours last drunk (Masaa uliyokunywa mwisho)	contin	numeric	Hours last drunk
V714	v714	17.2.3 Fasting confirmed? (kufunga kulithibitisha)	discrete	character	Fasting confirmed
V715	v715	17.2.4 Have TWO RED tubes been drawn? (Chupa mbili ya nyekundu imetozwa?)	discrete	character	Have TWO RED tubes been drawn
V716	v716	17.2.4.1 If no, how many RED tubes are there? (Kama ni la, ni chupa ngapi za ny	discrete	numeric	If no, how many RED tubes are there
V717	v717	17.2.5 Has ONE PURPLE tube been drawn? (Chupa moja ya zambarau imetozwa?)	discrete	character	Has ONE PURPLE tube been drawn
V718	v718	17.2.5.1 If no, how many PURPLE tubes are there? (Kama ni la, ni chupa ngapi za	discrete	numeric	If no, how many PURPLE tubes are there
V719	v719	17.2.6 Has ONE GREY tube been drawn? (Chupa moja ya kijivu imetozwa?)	discrete	character	Has ONE GREY tube been drawn
V720	v720	17.2.6.1 If no, how many GREY tubes are there? (Kama ni la, ni chupa ngapi za k	discrete	numeric	If no, how many GREY tubes are there
V721	v721	17.2.7 Phlebotomist name (Jina la mtoza damu)	discrete	character	Phlebotomist name
V722	v722	17.2.8 Date blood taken (Tarehe damu ilichukuliwa)	discrete	character	Date blood taken
V723	v723	17.2.9 Time of blood collection (Wakati damu ilichukuliwa)	discrete	character	Time of blood collection
V724	v724	Complete?	discrete	character	Complete?
V725	v725	17.3.1 Has urine been collected? (Mkojo imechukuliwa)	discrete	character	Has urine been collected
V726	v726	17.3.2 If No, please specify reason(s) (Kama La, peana sababu)	discrete	numeric	If No, please specify reason(s)
V727	v727	17.3.3 What is the batch number of the urine container? (Alama ya utambulisho k	discrete	character	What is the batch number of the urine container

V728	v728	17.3.4 What is the expiry date of the urine container? (Tarehe ya mwisho ya kut	discrete	character	What is the expiry date of the urine container
V729	v729	17.3.5 Name of specimen collector	discrete	character	Name of specimen collector
V730	v730	17.3.6 Date urine taken (Terehe mkojo ulichukuliwa)	discrete	character	Date urine taken
V731	v731	17.3.7 Time of urine collection (Wakati mkojo ulichukuliwa)	discrete	character	Time of urine collection
V732	v732	Complete?	discrete	character	Complete?
V733	v733	18.1.1 Does participant want to have glucose or cholesterol tested? (Je, muhusi	discrete	character	Does participant want to have glucose or cholesterol tested
V734	v734	18.1.1.1 Comment, if No (Toa maoni kama ni La)	discrete	character	Comment, if No
V735	v735	18.1.2 What is the serial number of instrument? (Nini ndio numbari ya utabulish	discrete	character	What is the serial number of instrument
V736	v736	18.1.3 What is the batch number of the test strip? (Alama ya utambulisho kwenye	discrete	character	What is the batch number of the test strip
V737	v737	***18.1.4 What is the expiry date of the test strip? (Tarehe ya mwisho kutumia	discrete	character	What is the expiry date of the test strip
V738	v738	18.1.5 Date test administered (Terehe uchunguzi ulifanywa)	discrete	character	Date test administered
V739	v739	18.1.6 Time test administered (Wakati uchunguzi ulifanywa)	discrete	character	Time test administered
V740	v740	18.1.7 Name of researcher providing test (Jina la yule alifanya uchunguzi)	discrete	character	Name of researcher providing test
V741	v741	18.1.8 What is the Glucose test result? (Majibu ya sukari ni yapi?)	contin	numeric	What is the Glucose test result
V742	v742	18.1.9 What is the Cholesterol test result? (Majibu ya mafuta ni yapi)	contin	numeric	What is the Cholesterol test result
V743	v743	18.1.10 Were the glucose test results provided to participant? (Je, majibu ya k	discrete	character	Were the glucose test results provided to participant
V744	v744	18.1.10.1 If no, please specify reason(s) (Kama La, toa sababu)	discrete	character	If no, please specify reason(s)
V745	v745	18.1.11 Were the cholesterol test results provided to participant? (Je, majibu	discrete	character	Were the cholesterol test results provided to participant
V746	v746	18.1.11.1 If no, please specify reason(s) (Kama La, toa sababu)	discrete	numeric	If no, please specify reason(s)
V747	v747	18.1.12 Were the glucose test results discussed with the participant? (Je, maji	discrete	character	Were the glucose test results discussed with the participant
V748	v748	18.1.13 Were the cholesterol test results discussed with the participant? (Je,	discrete	character	Were the cholesterol test results discussed with the participant
V749	v749	18.1.14 Was participant recommended to seek further advice from a health care wo	discrete	character	Was participant recommended to seek further advice from a health care worker
V750	v750	18.2.1 Was the test conducted? (Je umewahi kupimwa virusi vya Ukimwi?)	discrete	character	Was the test conducted
V751	v751	18.2.1.1 Comment if No (Maoni kama ni La)	discrete	character	Comment if No
V752	v752	18.2.2 Was HIV pre-test counselling provided? (Je, ushauri ulitolewa kabla ya	discrete	character	Was HIV pre-test counselling provided
V753	v753	18.2.3 Name of health care worker providing pre-test counselling (Jina aliye to	discrete	character	Name of health care worker providing pre-test counselling
V754	v754	18.2.4 Serial number of test kit (Numbari ya mfululizo ya kifaa)	discrete	character	Serial number of test kit
V755	v755	18.2.5 What is the batch number of the test strip? (Numbari ya utambulisho ya m	discrete	character	What is the batch number of the test strip
V756	v756	***18.2.6 What is the expiry date of the test strip? (Tarehe ya mwisho kutumia	discrete	character	What is the expiry date of the test strip
V757	v757	18.2.7 Date test administered (Terehe kipimo kilifanywa)	discrete	character	Date test administered
V758	v758	18.2.8 Name of researcher completing the test (Jina la mtafiti aliyemaliza kip	discrete	character	Name of researcher completing the test
V759	v759	18.2.9 What is the HIV test result (Majibu yalikuwa yapi?)	discrete	character	What is the HIV test result

V760	v760	18.2.10 Was test result provided to participant? (Je, kipimo kilitolewa kwa muh	discrete	character	Was test result provided to participant
V761	v761	18.2.11 Was post test counselling provided? Answer MUST be Yes if test was condu	discrete	character	Was post test counselling provided
V762	v762	18.2.12 Name of health care worker providing post-test counselling (Jina la muu	discrete	character	Name of health care worker providing post-test counselling
V763	v763	18.2.13 If this was a first-time positive test, was participant referred for sec	discrete	character	If this was a first-time positive test, was participant referred for secondary testing
V764	v764	18.2.14 Was the participant recommended to seek further advice from a health car	discrete	character	Was the participant recommended to seek further advice from a health care worker
V765	v765	Complete?	discrete	character	Complete?
V766	v766	19.1.1 A serious illness, injury or an assault? (Ugonjwa mbaya, kuumia au kusha	discrete	character	A serious illness, injury or assault that happened to a close relative
V767	v767	19.1.2 A serious illness, injury or assault that happened to a close relative?	discrete	character	A serious illness, injury or assault that happened to a close relative
V768	v768	19.2.1 Your parent, child or spouse died? (Mzazi wako, mtoto au mwenzi wako ali	discrete	character	Your parent, child or spouse died
V769	v769	19.2.2 A close family friend or another relative (aunt, cousin, grandparent) die	discrete	character	A close family friend or another relative (aunt, cousin, grandparent) died
V770	v770	19.2.3 You had a separation due to marital difficulties? (Ulikuwa na kujitenga	discrete	character	You had a separation due to marital difficulties
V771	v771	19.2.4 You broke off a steady relationship? (Ulivunja uhusiano thabiti?)	discrete	character	You broke off a steady relationship
V772	v772	19.2.5 You had a serious problem with a close friend, neighbour or relative? (U	discrete	character	You had a serious problem with a close friend, neighbour or relative
V773	v773	19.2.6 You became unemployed or you were seeking work unsuccessfully for more th	discrete	character	You became unemployed or you were seeking work unsuccessfully for more than one month
V774	v774	19.2.7 You were sacked, fired or laid off from your job? (Ulikuwa umefutwa kazi	discrete	character	You were sacked, fired or laid off from your job
V775	v775	19.2.8 You had a major financial crisis? (Ulikua na shida kubwa ya kifedha?)	discrete	character	You had a major financial crisis
V776	v776	19.2.9 You had problems with the police and/or a court appearance? (Ulikua na s	discrete	character	You had problems with the police and/or a court appearance
V777	v777	19.2.10 Something you valued was lost or stolen? (Kitu ulicho kipa dhamani ki	discrete	character	Something you valued was lost or stolen
V778	v778	Complete?	discrete	character	Complete?
V779	v779	20.1 Sections 1-12: General Questionnaire (Sehemu 1-12: Ujumbe wa Kijumula)	discrete	character	General Questionnaire
V780	commentifnomaonikamala	Comment if No (Maoni kama la)	discrete	numeric	Comment if No
V781	v781	20.2 Section 13: Anthropometric Measurements (Sehemu 13: Vipimo vya mwili)	discrete	character	Anthropometric Measurements
V782	v782	Comment if No (Maoni kama la)	discrete	character	Comment if No
V783	v783	20.3 Section 14: Blood Pressure and Pulse Measurements (Sehemu 14: Vipimo vya m	discrete	character	Blood Pressure and Pulse Measurements
V784	v784	Comment if No (Maoni kama la)	discrete	character	Comment if No
V785	v785	20.4 Section 15: Ultrasound and DXA Measurement	discrete	character	Ultrasound and DXA Measurements
V786	v786	Comment if No (Maoni kama la)	discrete	character	Comment if No
V787	v787	20.5 Section 16: Respiratory Health, Spirometry & Reversibility Spirometry (Seh	discrete	character	Respiratory Health, Spirometry & Reversibility Spirometry
V788	v788	Comment if No (Maoni kama la)	discrete	character	Comment if No
V789	v789	20.6 Section 17: Blood Collection, Urine Collection & Microbiome (Sehemu 17: Da	discrete	character	Blood Collection, Urine Collection & Microbiome
V790	v790	Comment if No (Maoni kama la)	discrete	character	Comment if No
V791	v791	20.7 Section 18: Point of Care Testing (Sehemu 18: Vipimo vya hapo)	discrete	character	Point of Care Testing
V792	v792	Comment if No (Maoni kama la)	discrete	character	Comment if No

V793	v793	20.8 Section 19: Trauma (Sehemu 19: Kiwewe)	discrete	character	Trauma
V794	v794	Comment if No (Maoni kama la)	discrete	numeric	Comment if No
V795	v795	Complete?	discrete	character	Complete?
V796	V796		discrete	character	AWI-Gen Participant Study code