

# Essential Study Participant Details

1)

Date of screening visit (if applicable):  
{[screen\_date] text date\_dmy}

(DD-MM-YYYY)

2)

Case or control participant?  
{[case\_control] radio}

☐ {1} Case

☐ {2} Control

3)

Is this a paediatric participant or an adult participant?  
{[adult\_paed] radio}

☐ {1} Adult

☐ {2} Paediatric

4)

Study site participant recruited from:  
{[site] text}

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H3ABioNet & H3Africa Phenotype Standards

# Study Consent

Study description

Instructions for administration of consent

**PAGE ONE**

Who are we?

Name, job title, and institutional affiliation of the main researcher.

Include information about the principal investigator (If they are not the main researcher) and the rest of the research team (if they are directly in contact with the participants e.g. study clinicians). Include information about collaborators (If there are any).

Why are we doing this study?

We want to study something called "genes". These "genes" are present in all of us and are the same in all parts of our bodies. "Genes" are sometimes also called DNA, which is the name of the material they are made from. Genes are responsible for why people in families are often more like each other, and different from other families. For example, some families are generally taller or shorter than others. This kind of information is passed from both the father and the mother to their children and on to their grandchildren, from one generation to the next. Some of these genes may prevent some people from getting certain illnesses. Other genes may be one of the reasons why some people get sick or have side effects from some medicines when others do not. We are still learning how genes might contribute to different diseases, and how they work together with our lifestyle and other factors - such as our environment or what we eat - to affect our health. We want to explore whether genes may affect (specific health phenotype under study) in (specific target population if relevant).

What do we do to decide if you are eligible to be take part?

In our study, we want to learn more about [specific disease phenotype] in [target study population] so we are approaching any person who fits this description because they are the type of people who we want in our study.

How many people will take part in the study?

There will [insert number] of participants including yourself if you agree to participate in the study.

How long will the study last?

We expect the study to last for [insert time frame], but we will notify you immediately if there are any changes that impact you directly.

What will happen if you decide to take part in the study?

We will go through the participant information with you to ensure that you understand what the study is about, what is expected of you as the participant, and also, what is expected of us as the researchers. While going through this information we will be asking you some questions and at the end, you will be asked to give signed permission to participate in our study.

Participation in our study is voluntary and you have the option not to participate. Even after you have agreed to join our study, you can still change your mind and we will destroy your sample and remove you from the study. If you choose not to participate in our study or drop out later, it will NOT affect the care you are receiving at [insert health care facility].

What are the risks?

We will make sure that your health information and sample are protected and safely stored, because there is always some small risk that the special pattern of genes from your sample could be used to work out who you are and see your health information if other people were to get hold of this information. We will be very careful in making sure all this personal information is very secure so that this could not happen.

**PAGE TWO**

What happens if I get hurt taking part in this study?

This study poses minimal risk of physical harm to you as a participant. However, if you get hurt as a direct result of participating in the study, you should inform the principal investigator [full names and contact number] immediately and they will assist with the next steps.

Are there any benefits to you for being in the study?

You may not get any benefit directly from this study, but we hope that the information we get about your genes and your health may benefit others who have [specific health phenotype] and many different kinds of illnesses, in the future. You do not have to take part in this study, it is your choice if you want to take part, or not. If you do not want to take part, it will NOT affect the health care you receive at [specific health facility].

Will you receive any reward (money or food vouchers) for taking part in this study?

Participation in research is voluntary and research participants do not get paid for it. However, if you use your own money to travel from home for the specific purpose of taking part in our research we can reimburse you for that. We can also provide food or food vouchers if participating in our research requires a special diet or if you miss meals while participating in our research.

What will we ask for?

We will ask you a few simple questions about your life and where you grew up. In order to better understand your health, we will ask you for permission to look at your health records that [name of organisation/department] collects when you visit government health facilities like clinics or hospitals - such as any medical tests that have been done and any medication that you have been given at any government facility. We will also ask you to provide a swab or rinse of the inside of your mouth and we will use this to prepare a sample of your genes.

Do you agree for us to collect these body fluid samples and your health information for this study we have described about how genes might affect [specific health phenotype]?

{[consent\_data\_collection] yesno}

☐ Yes ☐ No

We would like to know more about your general health.

Do you agree for us to use your health information that is collected by health care workers (nurses, doctors, pharmacists) during your visits to health care facilities?

{[consent\_health\_information] yesno}

☐ Yes ☐ No

Medical record number:

{[consent\_med\_record] text}

{Branching logic (show if): [consent\_health\_information] = '1'}

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**PAGE THREE**

What will happen when the study is over?

Your sample will be destroyed unless you have agreed for us to use it in future studies.

Who will see the information which is collected about you during the study?

To make sure that your privacy is protected in this study, we will make sure that your information is used for this research without your name, or your date of birth, or any other identifying information attached to it. This way, no one working on this study will know who the information or the genetic sample comes from.

How will we protect your information?

All your genes together make a special pattern in all of your body that only you have, and this is why no two people are exactly alike. Because each person has their own special pattern of genes, researchers are very careful to protect the genetic samples that are collected and the information from these samples, and these samples and information will only be used in the way you have agreed to.

To make sure that your privacy is protected in this study, we will make sure that your information is used for this research without your name, or your date of birth, or any other identifying information attached to it. We will be very careful in making sure all this personal information is very secure and we will lock away any document with your name on it so that no-one can identify you from it. We will make sure all computers used for the study are kept securely and are protected by passwords.

Will your test results be shared with you?

We will not give you any individual results from the study of the samples you give us. This is because it will probably take a long time for this project to result in specific health information that is useful to patients.

If you agree for your information to be used in other studies in the future, it is possible that some new health information might be discovered in those studies. We will ask you if you would like to know any new information that might become available about your health.

Sometimes, what we find from our research might include new information about your health.

Would you like us to contact you again if we believe we have new information that may directly affect your health?

{[consent\_new\_info\_contact] yesno}

☐ Yes ☐ No

Would you like us to contact you again if there is some kind of action or treatment that might be able to help you with the health issue?

{[consent\_new\_tx\_contact] yesno}

☐ Yes ☐ No

Would you like us to contact you again if there is NO kind of action or treatment that might be able to help you with the health issue?

{[consent\_no\_tx\_contact] yesno}

☐ Yes ☐ No

**PAGE FOUR**

Will the results of the research be shared with you?

At the end of the study, we will put our general findings from the study in some pamphlets and posters at the clinics where people have joined this study. There, you will be able to read how this study is contributing to our understanding of health and disease. When we describe the results of this study in this way, we will only show summary results or overall study results from the whole study, and there will be no information about the individual people who took part in the study.

Sometimes researchers combine the genetic information from everyone in the study and provide a summary of genetic data for the whole group.

Do you agree for us to use your information when providing combined information about the whole research group (x total individuals in this study)?

{[consent\_grouped\_data] yesno}

☐ Yes ☐ No

What will we do with your data and samples?

Your sample will be stored at [name of storage facility] until the study is over. The information from your sample will be very securely stored at [name of storage facility]. The [name of storage facility] will lock away any document with your name on it so that no-one can identify you from it. We will make sure all computers used for the study are kept securely and are protected by passwords.

Your samples will never be sold, and we will not make any money from this research. The scientific results that we find from this study will be free and openly available to all scientists to help understand how we can better treat [specific disease]. In the future, commercial products might be developed by companies using the information that comes out of this study. If this happens, you will not be able to share in any profits.

Will any of your blood, tissue or other samples be stored and used for research in the future?

Your samples will only be stored and used for future studies if you give us permission to use them this way. If you do not give permission for your samples to be used for future studies, they will be destroyed at the end of this study. It is your choice to give permission for future use and that choice will not affect your participation in the current study and will not affect the health care you are receiving at [insert name of health care facility].

Do you agree for us to use your genetic samples together with your health information for other studies in the future that want to study the effect of genes on [specific health phenotype]?

{[consent\_genetic\_use] yesno}

☐ Yes ☐ No

Do you agree for us to use your genetic samples together with your health information for other studies in the future to study the effect of genes on other health conditions or related biological processes?

{[consent\_genetic\_futureuse] yesno}

☐ Yes ☐ No

**PAGE FIVE**

Sometimes what we find from a study like this might lead to new studies being done in the future. Can other researchers contact you in the future to invite you to take part in other research studies?

{[consent\_future\_contact] yesno}

☐ Yes ☐ No

If yes, how would you like to be contacted?

- ☐ {1} Telephone  
☐ {2} Letter  
☐ {3} Visit  
☐ {4} Email

{[consent\_future\_contacttype] radio}

{Branching logic (show if): [consent\_future\_contact] = '1'}

Can my samples and information be used in research outside the country?

There is an international study that is combining the results from [specify disease] studies like ours that are taking place around the world. The information from samples donated from everyone around the world will be made available to researchers in a large data storage resource in Europe called the European Genome Archive (EGA) and will be provided to other researchers who want to do more studies using the combined genetic and health information.

We will ask you if you would like your sample and health details to be included in this international study - you do not have to agree to join the international study, it is your choice.

Do you agree for us to share your DNA sample for genetic analysis together with your health information for International studies being done to better understand [specific disease]? Your genetic data and health data may be shared with other international researchers for other studies in the future

{[consent\_international] yesno}

☐ Yes ☐ No

Can my samples be used in studies about population origins and ancestry?

There are researchers who are interested in studying genes to find out more about the origins and ancestry of different populations. Our genes contain information that can be used to work out where our family and our ancestors come from - our origins.

Sometimes the information from genetic studies about our ancestry may be different to what we already believe about where our family came from, or who our ancestors were, but this information can also help us understand more about human history and how people migrated around the world in the past.

We will ask you if you would like your DNA sample to be included in studies about population origins and ancestry - you do not have to agree for your sample to be used in this kind of study, it is your choice.

Do you agree for us to share your DNA sample for genetic analysis in other research studies about population origins and ancestry?

{[consent\_popn\_ancestry] yesno}

☐ Yes ☐ No

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What to do if you have questions or change your mind about being in the study?

If you have any questions, you can contact [name of institutional review board (IRB)] and speak to [full names and contact number of the relevant person at the IRB]. If you change your mind and you no longer want your information or sample to be included in this study, or you have other questions you can also contact [full names and contact number of study principal investigator] with your questions, or to have your information removed from this study and to have your sample destroyed.



**PARTICIPANT AGREEMENT**

Date of consent: \_\_\_\_\_  
(DD-MM-YYYY)  
{[consent\_date] text date\_dmy}

Study ID Number: \_\_\_\_\_  
{[consent\_study\_id] text}

Participant full name: \_\_\_\_\_  
(Full name as on Identification Document)  
{[consent\_fullname] text}

Participant confirmation:  
  
{[consent\_confirmation] checkbox}  
  
☐ {1} I understand that signing this form electronically is the equivalent of signing a physical document

Participant signature:  
  
{[consent\_signature] file signature}  
  
\_\_\_\_\_

**STAFF MEMBER ADMINISTERING CONSENT**

Staff member name:

{[consent\_staff\_name] text}

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(Fullname)

Staff member signature:

{[consent\_staff\_signature] file signature}

## CONSENT AUDIO CONFIRMATION

Checklist for consent audio validation  
{[consent\_audio\_validation] checkbox}

- ☐ {1} Date of consent administration
- ☐ {2} Researcher verbally confirms identity
- ☐ {3} Research study named
- ☐ {4} Participant verbally confirms identity and participation in study
- ☐ {5} Quality of audio file checked before upload

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Audio verification  
{[consent\_audio] file}

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# Withdrawal of study consent

## WITHDRAWAL OF CONSENT

Date of withdrawal:

(DD-MM-YYYY)

{[consent\_withdrawal\_date] text date\_dmy}

Do you wish to withdraw your consent to participate in the entire study or parts of the study?

- ☐ {1} Complete withdrawal  
☐ {2} Partial withdrawal

{[consent\_withdrawal\_type] radio}

Please state from which part(s) of the study you would like to withdraw your consent:

{[consent\_partialwithdrawal] textarea}

{Branching logic (show if): [consent\_withdrawal\_type] = '2'}

Reason(s) for withdrawing consent:

The participant is not obliged to give a reason, therefore if no reason is given type "none given"

{[consent\_withdraw\_rsn] textarea}

Participant signature:

{[consent\_withdraw\_sign] file signature}

## STAFF MEMBER CONDUCTING STUDY WITHDRAWAL PROCESS

Staff Member Name:

(Full name)

{[consent\_withdraw\_staff] text}

Staff member designation

{[consent\_withdraw\_staffrole] text}

Staff Member Signature:

{[consent\_withdraw\_staffsign] file signature}

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Withdrawal - Core Instrument Version 2.0 Released September 2022  
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# Demographics Core

The participant's date of enrollment:  
{[enrol\_date] text date\_dmy}

\_\_\_\_\_  
(DD-MM-YYYY)

## DEMOGRAPHICS

What is the participant's date of birth?  
{[dob] text date\_dmy}

\_\_\_\_\_  
(DD-MM-YYYY)

About how old is the participant? ONLY If date of birth unknown)  
{[age\_approx] text integer}  
{Branching logic (show if): [dob]=" or [dob]=-992}

\_\_\_\_\_  
(Enter an integer number and select units of measure)

Approximated age measured in:  
{[age\_approxunits] radio}  
{Branching logic (show if): ([dob]=") or ([dob]=-992)}

- ☐ {1} Years  
☐ {2} Months  
☐ {3} Weeks  
☐ {4} Days

Calculated age in years:  
{[agecalc] calc}

\_\_\_\_\_

What was the participant's biological sex at birth?  
{[sex] radio}

- ☐ {1} Male  
☐ {2} Female  
☐ {3} Other

In which country was the participant born?  
 {[cob] dropdown autocomplete}

- ☐ {4} Afghanistan
- ☐ {248} Åland Islands
- ☐ {8} Albania
- ☐ {12} Algeria
- ☐ {16} American Samoa
- ☐ {20} Andorra
- ☐ {24} Angola
- ☐ {660} Anguilla
- ☐ {10} Antarctica
- ☐ {28} Antigua and Barbuda
- ☐ {32} Argentina
- ☐ {51} Armenia
- ☐ {533} Aruba
- ☐ {36} Australia
- ☐ {40} Austria
- ☐ {31} Azerbaijan
- ☐ {44} Bahamas (the)
- ☐ {48} Bahrain
- ☐ {50} Bangladesh
- ☐ {52} Barbados
- ☐ {112} Belarus
- ☐ {56} Belgium
- ☐ {84} Belize
- ☐ {204} Benin
- ☐ {60} Bermuda
- ☐ {64} Bhutan
- ☐ {68} Bolivia (Plurinational State of)
- ☐ {535} Bonaire, Sint Eustatius and Saba
- ☐ {70} Bosnia and Herzegovina
- ☐ {72} Botswana
- ☐ {74} Bouvet Island
- ☐ {76} Brazil
- ☐ {86} British Indian Ocean Territory (the)
- ☐ {96} Brunei Darussalam
- ☐ {100} Bulgaria
- ☐ {854} Burkina Faso
- ☐ {108} Burundi
- ☐ {132} Cabo Verde
- ☐ {116} Cambodia
- ☐ {120} Cameroon
- ☐ {124} Canada
- ☐ {136} Cayman Islands (the)
- ☐ {140} Central African Republic (the)
- ☐ {148} Chad
- ☐ {152} Chile
- ☐ {156} China
- ☐ {162} Christmas Island
- ☐ {166} Cocos (Keeling) Islands (the)
- ☐ {170} Colombia
- ☐ {174} Comoros (the)
- ☐ {180} Congo (the Democratic Republic of the)
- ☐ {178} Congo (the)
- ☐ {184} Cook Islands (the)
- ☐ {188} Costa Rica
- ☐ {384} Côte d'Ivoire
- ☐ {191} Croatia
- ☐ {192} Cuba
- ☐ {531} Curaçao
- ☐ {196} Cyprus
- ☐ {203} Czechia
- ☐ {208} Denmark
- ☐ {262} Djibouti
- ☐ {212} Dominica
- ☐ {214} Dominican Republic (the)
- ☐ {218} Ecuador
- ☐ {818} Egypt
- ☐ {222} El Salvador
- ☐ {226} Equatorial Guinea
- ☐ {232} Eritrea

- ☐ {233} Estonia
- ☐ {748} Eswatini
- ☐ {231} Ethiopia
- ☐ {238} Falkland Islands (the) [Malvinas]
- ☐ {234} Faroe Islands (the)
- ☐ {242} Fiji
- ☐ {246} Finland
- ☐ {250} France
- ☐ {254} French Guiana
- ☐ {258} French Polynesia
- ☐ {260} French Southern Territories (the)
- ☐ {266} Gabon
- ☐ {270} Gambia (the)
- ☐ {268} Georgia
- ☐ {276} Germany
- ☐ {288} Ghana
- ☐ {292} Gibraltar
- ☐ {300} Greece
- ☐ {304} Greenland
- ☐ {308} Grenada
- ☐ {312} Guadeloupe
- ☐ {316} Guam
- ☐ {320} Guatemala
- ☐ {831} Guernsey
- ☐ {324} Guinea
- ☐ {624} Guinea-Bissau
- ☐ {328} Guyana
- ☐ {332} Haiti
- ☐ {334} Heard Island and McDonald Islands
- ☐ {336} Holy See (the)
- ☐ {340} Honduras
- ☐ {344} Hong Kong
- ☐ {348} Hungary
- ☐ {352} Iceland
- ☐ {356} India
- ☐ {360} Indonesia
- ☐ {364} Iran (Islamic Republic of)
- ☐ {368} Iraq
- ☐ {372} Ireland
- ☐ {833} Isle of Man
- ☐ {376} Israel
- ☐ {380} Italy
- ☐ {388} Jamaica
- ☐ {392} Japan
- ☐ {832} Jersey
- ☐ {400} Jordan
- ☐ {398} Kazakhstan
- ☐ {404} Kenya
- ☐ {296} Kiribati
- ☐ {408} Korea (the Democratic People's Republic of)
- ☐ {410} Korea (the Republic of)
- ☐ {414} Kuwait
- ☐ {417} Kyrgyzstan
- ☐ {418} Lao People's Democratic Republic (the)
- ☐ {428} Latvia
- ☐ {422} Lebanon
- ☐ {426} Lesotho
- ☐ {430} Liberia
- ☐ {434} Libya
- ☐ {438} Liechtenstein
- ☐ {440} Lithuania
- ☐ {442} Luxembourg
- ☐ {446} Macao
- ☐ {450} Madagascar
- ☐ {454} Malawi
- ☐ {458} Malaysia
- ☐ {462} Maldives
- ☐ {466} Mali
- ☐ {470} Malta
- ☐ {584} Marshall Islands (the)
- ☐ {474} Martinique



- ☐ {478} Mauritania
- ☐ {480} Mauritius
- ☐ {175} Mayotte
- ☐ {484} Mexico
- ☐ {583} Micronesia (Federated States of)
- ☐ {498} Moldova (the Republic of)
- ☐ {492} Monaco
- ☐ {496} Mongolia
- ☐ {499} Montenegro
- ☐ {500} Montserrat
- ☐ {504} Morocco
- ☐ {508} Mozambique
- ☐ {104} Myanmar
- ☐ {516} Namibia
- ☐ {520} Nauru
- ☐ {524} Nepal
- ☐ {528} Netherlands (the)
- ☐ {540} New Caledonia
- ☐ {554} New Zealand
- ☐ {558} Nicaragua
- ☐ {562} Niger (the)
- ☐ {566} Nigeria
- ☐ {570} Niue
- ☐ {574} Norfolk Island
- ☐ {807} North Macedonia
- ☐ {580} Northern Mariana Islands (the)
- ☐ {578} Norway
- ☐ {512} Oman
- ☐ {586} Pakistan
- ☐ {585} Palau
- ☐ {275} Palestine, State of
- ☐ {591} Panama
- ☐ {598} Papua New Guinea
- ☐ {600} Paraguay
- ☐ {604} Peru
- ☐ {608} Philippines (the)
- ☐ {612} Pitcairn
- ☐ {616} Poland
- ☐ {620} Portugal
- ☐ {630} Puerto Rico
- ☐ {634} Qatar
- ☐ {638} Réunion
- ☐ {642} Romania
- ☐ {643} Russian Federation (the)
- ☐ {646} Rwanda
- ☐ {652} Saint Barthélemy
- ☐ {654} Saint Helena, Ascension and Tristan da Cunha
- ☐ {659} Saint Kitts and Nevis
- ☐ {662} Saint Lucia
- ☐ {663} Saint Martin (French part)
- ☐ {666} Saint Pierre and Miquelon
- ☐ {670} Saint Vincent and the Grenadines
- ☐ {882} Samoa
- ☐ {674} San Marino
- ☐ {678} Sao Tome and Principe
- ☐ {682} Saudi Arabia
- ☐ {686} Senegal
- ☐ {688} Serbia
- ☐ {690} Seychelles
- ☐ {694} Sierra Leone
- ☐ {702} Singapore
- ☐ {534} Sint Maarten (Dutch part)
- ☐ {703} Slovakia
- ☐ {705} Slovenia
- ☐ {90} Solomon Islands
- ☐ {706} Somalia
- ☐ {710} South Africa
- ☐ {239} South Georgia and the South Sandwich Islands
- ☐ {728} South Sudan
- ☐ {724} Spain
- ☐ {144} Sri Lanka

- ☐ {729} Sudan (the)
- ☐ {740} Suriname
- ☐ {744} Svalbard and Jan Mayen
- ☐ {752} Sweden
- ☐ {756} Switzerland
- ☐ {760} Syrian Arab Republic (the)
- ☐ {158} Taiwan (Province of China)
- ☐ {762} Tajikistan
- ☐ {834} Tanzania, the United Republic of
- ☐ {764} Thailand
- ☐ {626} Timor-Leste
- ☐ {768} Togo
- ☐ {772} Tokelau
- ☐ {776} Tonga
- ☐ {780} Trinidad and Tobago
- ☐ {788} Tunisia
- ☐ {792} Turkey
- ☐ {795} Turkmenistan
- ☐ {796} Turks and Caicos Islands (the)
- ☐ {798} Tuvalu
- ☐ {800} Uganda
- ☐ {804} Ukraine
- ☐ {784} United Arab Emirates (the)
- ☐ {826} United Kingdom of Great Britain and Northern Ireland (the)
- ☐ {581} United States Minor Outlying Islands (the)
- ☐ {840} United States of America (the)
- ☐ {858} Uruguay
- ☐ {860} Uzbekistan
- ☐ {548} Vanuatu
- ☐ {862} Venezuela (Bolivarian Republic of)
- ☐ {704} Viet Nam
- ☐ {92} Virgin Islands (British)
- ☐ {850} Virgin Islands (U.S.)
- ☐ {876} Wallis and Futuna
- ☐ {732} Western Sahara\*
- ☐ {887} Yemen
- ☐ {894} Zambia
- ☐ {716} Zimbabwe

What is the participant's native language?  
 {[native\_lang] dropdown autocomplete}

- ☐ {1} Abron
- ☐ {2} Afar
- ☐ {3} Afrikaans
- ☐ {4} Akan
- ☐ {5} Amharic,
- ☐ {6} Arabic
- ☐ {7} Bangi Me
- ☐ {8} Bayot
- ☐ {9} Berber
- ☐ {10} Bhojpuri
- ☐ {11} Cape Verdean Creole
- ☐ {12} Chewa
- ☐ {13} Comorian
- ☐ {14} Creole
- ☐ {15} Dangme
- ☐ {16} Dinka
- ☐ {17} Dompo
- ☐ {18} English
- ☐ {19} Ega
- ☐ {20} Ewe
- ☐ {21} Fon
- ☐ {22} French
- ☐ {23} Fulani
- ☐ {24} Fur
- ☐ {25} Ga
- ☐ {26} German
- ☐ {27} Gikuyu
- ☐ {28} Gomba
- ☐ {29} Gumuz
- ☐ {30} Hadza
- ☐ {31} Hausa
- ☐ {32} Hindi
- ☐ {33} Igbo
- ☐ {34} Irimba
- ☐ {35} Italian
- ☐ {36} Jalaa
- ☐ {37} Kanuri
- ☐ {38} Khoekhoe
- ☐ {39} Kimbundu
- ☐ {40} Kinyarwanda
- ☐ {41} Kirundi
- ☐ {42} Kituba
- ☐ {43} Kongo
- ☐ {44} Kujarge
- ☐ {45} Laal
- ☐ {46} Lingala
- ☐ {47} Lufu
- ☐ {48} Luganda
- ☐ {49} Luo
- ☐ {50} Maasai
- ☐ {51} Malagasy
- ☐ {52} Mauritian Creole
- ☐ {53} Mawa
- ☐ {54} Meyobe
- ☐ {55} Mimi
- ☐ {56} Mossi
- ☐ {57} Mpra
- ☐ {58} Nambya
- ☐ {59} Ndau
- ☐ {60} Ndebele
- ☐ {61} Nobiin
- ☐ {62} Noon
- ☐ {63} Oblo
- ☐ {64} Ongota
- ☐ {65} Oromo
- ☐ {66} Oropom
- ☐ {67} Portuguese
- ☐ {68} Rer Bare
- ☐ {69} Sena

- ☐ {70} Sepedi
- ☐ {71} Sesotho
- ☐ {72} Seychellois Creole
- ☐ {73} Shabo
- ☐ {74} Shona
- ☐ {75} Songhay
- ☐ {76} Somali
- ☐ {77} Sotho/Sesotho
- ☐ {78} Spanish
- ☐ {79} Swahili
- ☐ {80} Swati (Eswatini)
- ☐ {81} Swazi
- ☐ {82} Tamil
- ☐ {83} Telugu
- ☐ {84} Tigrinya
- ☐ {85} Tonga
- ☐ {86} Kalenjin
- ☐ {87} Tsonga
- ☐ {88} Twi
- ☐ {89} Tshiluba
- ☐ {90} Tshivenda
- ☐ {91} Tswana/Setswana
- ☐ {92} Umbundu
- ☐ {93} Venda
- ☐ {94} Weyto
- ☐ {95} Wutana
- ☐ {96} Wolof
- ☐ {97} Xhosa
- ☐ {98} Yeni
- ☐ {99} Yoruba
- ☐ {100} Zulu
- ☐ {777} Other

---

(If Other) Specify other native language:

{[native\_lang\_other] text}

{Branching logic (show if): [native\_lang]=777}

---

What is the participant's ethnic or tribal affiliation?  
 {[ethnicity] dropdown autocomplete}

- ☐ {1} Acholi
- ☐ {2} Afar
- ☐ {3} Afrikaner
- ☐ {4} Agaw
- ☐ {5} Aka
- ☐ {6} Akan
- ☐ {7} Aku
- ☐ {8} Alur
- ☐ {9} Ameru
- ☐ {10} Amhara
- ☐ {11} Anuak
- ☐ {12} Baka
- ☐ {13} Bambara
- ☐ {14} Banda
- ☐ {15} Banyoro
- ☐ {16} Basaa
- ☐ {17} Beja
- ☐ {18} Bemba
- ☐ {19} Berber
- ☐ {20} BetiPahuin
- ☐ {21} Biafada
- ☐ {22} Bilen
- ☐ {23} Cape Coloured
- ☐ {24} Chagga
- ☐ {25} Chewa
- ☐ {26} Chinese
- ☐ {27} Chokwe
- ☐ {28} Copt
- ☐ {29} Dendi
- ☐ {30} Dinka
- ☐ {31} Edo
- ☐ {32} English
- ☐ {33} Efik
- ☐ {34} Egyptian
- ☐ {35} Eket
- ☐ {36} Esan
- ☐ {37} Ewe
- ☐ {38} Fon
- ☐ {39} Fulani
- ☐ {40} Fur
- ☐ {41} Ga
- ☐ {42} Ganda
- ☐ {43} Gbaya
- ☐ {44} Goffal
- ☐ {45} Gurage
- ☐ {46} Gwari
- ☐ {47} Hausa
- ☐ {48} Herero
- ☐ {49} Himba
- ☐ {50} Hutu
- ☐ {51} Igbo
- ☐ {52} Ijaw
- ☐ {53} Indian
- ☐ {54} Italian
- ☐ {55} Jola
- ☐ {56} Kalanga
- ☐ {57} Kalenjin
- ☐ {58} Kamba
- ☐ {59} Kanuri
- ☐ {60} Khoikhoi
- ☐ {61} Kikuyu
- ☐ {62} Kongo
- ☐ {63} Kotoko
- ☐ {64} Kwama
- ☐ {65} Langi
- ☐ {66} Lemba
- ☐ {67} Lingala
- ☐ {68} Luba
- ☐ {69} Lugbara

- ☐ {70} Luhya
- ☐ {71} Luo
- ☐ {72} Maasai
- ☐ {73} Maghrebi
- ☐ {74} Makonde
- ☐ {75} Makua
- ☐ {76} Mande South
- ☐ {77} Mandingo
- ☐ {78} Marka
- ☐ {79} Mbunda
- ☐ {80} Mbundu
- ☐ {81} Mende
- ☐ {82} Moghamo
- ☐ {83} Mole-Dagbani
- ☐ {84} Mongo
- ☐ {85} Nambya
- ☐ {86} Ngamambo
- ☐ {87} North Ndebele
- ☐ {88} Nubian
- ☐ {89} Nuer
- ☐ {90} Oromo
- ☐ {91} Ovambo
- ☐ {92} Ovimbundu
- ☐ {93} Papel
- ☐ {94} Portuguese
- ☐ {95} Saho
- ☐ {96} Samburu
- ☐ {97} San
- ☐ {98} Sara
- ☐ {99} Serer
- ☐ {100} Shilluk
- ☐ {101} Shona
- ☐ {102} Sidama
- ☐ {103} Somali
- ☐ {104} Songhai
- ☐ {105} Sotho
- ☐ {106} South Ndebele
- ☐ {107} Spanish
- ☐ {108} Sua
- ☐ {109} Swahili
- ☐ {110} Swazi
- ☐ {111} Tigray-Tigrinya
- ☐ {112} Tigre
- ☐ {113} Tiv
- ☐ {114} Tonga
- ☐ {115} Toubou
- ☐ {116} Tsonga
- ☐ {117} Tswana
- ☐ {118} Tuareg
- ☐ {119} Tutsi
- ☐ {120} Twa
- ☐ {121} Urhobo
- ☐ {122} Venda
- ☐ {123} Wolof
- ☐ {124} Xhosa
- ☐ {125} Yeyi
- ☐ {126} Yoruba
- ☐ {127} Zaghawa
- ☐ {128} Zande
- ☐ {129} Zarma
- ☐ {130} Zulu
- ☐ {777} Other

---

(If Other) Specify other ethnic or tribal affiliation:

{[ethnicity\_other] text}

{Branching logic (show if): [ethnicity]=777}

What is the participant's biological father's country of birth?  
 {[fcob] dropdown autocomplete}

- ☐ {4} Afghanistan
- ☐ {248} Åland Islands
- ☐ {8} Albania
- ☐ {12} Algeria
- ☐ {16} American Samoa
- ☐ {20} Andorra
- ☐ {24} Angola
- ☐ {660} Anguilla
- ☐ {10} Antarctica
- ☐ {28} Antigua and Barbuda
- ☐ {32} Argentina
- ☐ {51} Armenia
- ☐ {533} Aruba
- ☐ {36} Australia
- ☐ {40} Austria
- ☐ {31} Azerbaijan
- ☐ {44} Bahamas (the)
- ☐ {48} Bahrain
- ☐ {50} Bangladesh
- ☐ {52} Barbados
- ☐ {112} Belarus
- ☐ {56} Belgium
- ☐ {84} Belize
- ☐ {204} Benin
- ☐ {60} Bermuda
- ☐ {64} Bhutan
- ☐ {68} Bolivia (Plurinational State of)
- ☐ {535} Bonaire, Sint Eustatius and Saba
- ☐ {70} Bosnia and Herzegovina
- ☐ {72} Botswana
- ☐ {74} Bouvet Island
- ☐ {76} Brazil
- ☐ {86} British Indian Ocean Territory (the)
- ☐ {96} Brunei Darussalam
- ☐ {100} Bulgaria
- ☐ {854} Burkina Faso
- ☐ {108} Burundi
- ☐ {132} Cabo Verde
- ☐ {116} Cambodia
- ☐ {120} Cameroon
- ☐ {124} Canada
- ☐ {136} Cayman Islands (the)
- ☐ {140} Central African Republic (the)
- ☐ {148} Chad
- ☐ {152} Chile
- ☐ {156} China
- ☐ {162} Christmas Island
- ☐ {166} Cocos (Keeling) Islands (the)
- ☐ {170} Colombia
- ☐ {174} Comoros (the)
- ☐ {180} Congo (the Democratic Republic of the)
- ☐ {178} Congo (the)
- ☐ {184} Cook Islands (the)
- ☐ {188} Costa Rica
- ☐ {384} Côte d'Ivoire
- ☐ {191} Croatia
- ☐ {192} Cuba
- ☐ {531} Curaçao
- ☐ {196} Cyprus
- ☐ {203} Czechia
- ☐ {208} Denmark
- ☐ {262} Djibouti
- ☐ {212} Dominica
- ☐ {214} Dominican Republic (the)
- ☐ {218} Ecuador
- ☐ {818} Egypt
- ☐ {222} El Salvador
- ☐ {226} Equatorial Guinea
- ☐ {232} Eritrea



- ☐ {233} Estonia
- ☐ {748} Eswatini
- ☐ {231} Ethiopia
- ☐ {238} Falkland Islands (the) [Malvinas]
- ☐ {234} Faroe Islands (the)
- ☐ {242} Fiji
- ☐ {246} Finland
- ☐ {250} France
- ☐ {254} French Guiana
- ☐ {258} French Polynesia
- ☐ {260} French Southern Territories (the)
- ☐ {266} Gabon
- ☐ {270} Gambia (the)
- ☐ {268} Georgia
- ☐ {276} Germany
- ☐ {288} Ghana
- ☐ {292} Gibraltar
- ☐ {300} Greece
- ☐ {304} Greenland
- ☐ {308} Grenada
- ☐ {312} Guadeloupe
- ☐ {316} Guam
- ☐ {320} Guatemala
- ☐ {831} Guernsey
- ☐ {324} Guinea
- ☐ {624} Guinea-Bissau
- ☐ {328} Guyana
- ☐ {332} Haiti
- ☐ {334} Heard Island and McDonald Islands
- ☐ {336} Holy See (the)
- ☐ {340} Honduras
- ☐ {344} Hong Kong
- ☐ {348} Hungary
- ☐ {352} Iceland
- ☐ {356} India
- ☐ {360} Indonesia
- ☐ {364} Iran (Islamic Republic of)
- ☐ {368} Iraq
- ☐ {372} Ireland
- ☐ {833} Isle of Man
- ☐ {376} Israel
- ☐ {380} Italy
- ☐ {388} Jamaica
- ☐ {392} Japan
- ☐ {832} Jersey
- ☐ {400} Jordan
- ☐ {398} Kazakhstan
- ☐ {404} Kenya
- ☐ {296} Kiribati
- ☐ {408} Korea (the Democratic People's Republic of)
- ☐ {410} Korea (the Republic of)
- ☐ {414} Kuwait
- ☐ {417} Kyrgyzstan
- ☐ {418} Lao People's Democratic Republic (the)
- ☐ {428} Latvia
- ☐ {422} Lebanon
- ☐ {426} Lesotho
- ☐ {430} Liberia
- ☐ {434} Libya
- ☐ {438} Liechtenstein
- ☐ {440} Lithuania
- ☐ {442} Luxembourg
- ☐ {446} Macao
- ☐ {450} Madagascar
- ☐ {454} Malawi
- ☐ {458} Malaysia
- ☐ {462} Maldives
- ☐ {466} Mali
- ☐ {470} Malta
- ☐ {584} Marshall Islands (the)
- ☐ {474} Martinique

- ☐ {478} Mauritania
- ☐ {480} Mauritius
- ☐ {175} Mayotte
- ☐ {484} Mexico
- ☐ {583} Micronesia (Federated States of)
- ☐ {498} Moldova (the Republic of)
- ☐ {492} Monaco
- ☐ {496} Mongolia
- ☐ {499} Montenegro
- ☐ {500} Montserrat
- ☐ {504} Morocco
- ☐ {508} Mozambique
- ☐ {104} Myanmar
- ☐ {516} Namibia
- ☐ {520} Nauru
- ☐ {524} Nepal
- ☐ {528} Netherlands (the)
- ☐ {540} New Caledonia
- ☐ {554} New Zealand
- ☐ {558} Nicaragua
- ☐ {562} Niger (the)
- ☐ {566} Nigeria
- ☐ {570} Niue
- ☐ {574} Norfolk Island
- ☐ {807} North Macedonia
- ☐ {580} Northern Mariana Islands (the)
- ☐ {578} Norway
- ☐ {512} Oman
- ☐ {586} Pakistan
- ☐ {585} Palau
- ☐ {275} Palestine, State of
- ☐ {591} Panama
- ☐ {598} Papua New Guinea
- ☐ {600} Paraguay
- ☐ {604} Peru
- ☐ {608} Philippines (the)
- ☐ {612} Pitcairn
- ☐ {616} Poland
- ☐ {620} Portugal
- ☐ {630} Puerto Rico
- ☐ {634} Qatar
- ☐ {638} Réunion
- ☐ {642} Romania
- ☐ {643} Russian Federation (the)
- ☐ {646} Rwanda
- ☐ {652} Saint Barthélemy
- ☐ {654} Saint Helena, Ascension and Tristan da Cunha
- ☐ {659} Saint Kitts and Nevis
- ☐ {662} Saint Lucia
- ☐ {663} Saint Martin (French part)
- ☐ {666} Saint Pierre and Miquelon
- ☐ {670} Saint Vincent and the Grenadines
- ☐ {882} Samoa
- ☐ {674} San Marino
- ☐ {678} Sao Tome and Principe
- ☐ {682} Saudi Arabia
- ☐ {686} Senegal
- ☐ {688} Serbia
- ☐ {690} Seychelles
- ☐ {694} Sierra Leone
- ☐ {702} Singapore
- ☐ {534} Sint Maarten (Dutch part)
- ☐ {703} Slovakia
- ☐ {705} Slovenia
- ☐ {90} Solomon Islands
- ☐ {706} Somalia
- ☐ {710} South Africa
- ☐ {239} South Georgia and the South Sandwich Islands
- ☐ {728} South Sudan
- ☐ {724} Spain
- ☐ {144} Sri Lanka

- ☐ {729} Sudan (the)
- ☐ {740} Suriname
- ☐ {744} Svalbard and Jan Mayen
- ☐ {752} Sweden
- ☐ {756} Switzerland
- ☐ {760} Syrian Arab Republic (the)
- ☐ {158} Taiwan (Province of China)
- ☐ {762} Tajikistan
- ☐ {834} Tanzania, the United Republic of
- ☐ {764} Thailand
- ☐ {626} Timor-Leste
- ☐ {768} Togo
- ☐ {772} Tokelau
- ☐ {776} Tonga
- ☐ {780} Trinidad and Tobago
- ☐ {788} Tunisia
- ☐ {792} Turkey
- ☐ {795} Turkmenistan
- ☐ {796} Turks and Caicos Islands (the)
- ☐ {798} Tuvalu
- ☐ {800} Uganda
- ☐ {804} Ukraine
- ☐ {784} United Arab Emirates (the)
- ☐ {826} United Kingdom of Great Britain and Northern Ireland (the)
- ☐ {581} United States Minor Outlying Islands (the)
- ☐ {840} United States of America (the)
- ☐ {858} Uruguay
- ☐ {860} Uzbekistan
- ☐ {548} Vanuatu
- ☐ {862} Venezuela (Bolivarian Republic of)
- ☐ {704} Viet Nam
- ☐ {92} Virgin Islands (British)
- ☐ {850} Virgin Islands (U.S.)
- ☐ {876} Wallis and Futuna
- ☐ {732} Western Sahara\*
- ☐ {887} Yemen
- ☐ {894} Zambia
- ☐ {716} Zimbabwe

What is the participant's biological father's native language?  
 {[flang] dropdown autocomplete}

- ☐ {1} Abron
- ☐ {2} Afar
- ☐ {3} Afrikaans
- ☐ {4} Akan
- ☐ {5} Amharic,
- ☐ {6} Arabic
- ☐ {7} Bangi Me
- ☐ {8} Bayot
- ☐ {9} Berber
- ☐ {10} Bhojpuri
- ☐ {11} Cape Verdean Creole
- ☐ {12} Chewa
- ☐ {13} Comorian
- ☐ {14} Creole
- ☐ {15} Dangme
- ☐ {16} Dinka
- ☐ {17} Domp
- ☐ {18} English
- ☐ {19} Ega
- ☐ {20} Ewe
- ☐ {21} Fon
- ☐ {22} French
- ☐ {23} Fulani
- ☐ {24} Fur
- ☐ {25} Ga
- ☐ {26} German
- ☐ {27} Gikuyu
- ☐ {28} Gomba
- ☐ {29} Gumuz
- ☐ {30} Hadza
- ☐ {31} Hausa
- ☐ {32} Hindi
- ☐ {33} Igbo
- ☐ {34} Irimba
- ☐ {35} Italian
- ☐ {36} Jalaa
- ☐ {37} Kanuri
- ☐ {38} Khoekhoe
- ☐ {39} Kimbundu
- ☐ {40} Kinyarwanda
- ☐ {41} Kirundi
- ☐ {42} Kituba
- ☐ {43} Kongo
- ☐ {44} Kujarge
- ☐ {45} Laal
- ☐ {46} Lingala
- ☐ {47} Lufu
- ☐ {48} Luganda
- ☐ {49} Luo
- ☐ {50} Maasai
- ☐ {51} Malagasy
- ☐ {52} Mauritian Creole
- ☐ {53} Mawa
- ☐ {54} Meyobe
- ☐ {55} Mimi
- ☐ {56} Mossi
- ☐ {57} Mpra
- ☐ {58} Nambya
- ☐ {59} Ndau
- ☐ {60} Ndebele
- ☐ {61} Nobiin
- ☐ {62} Noon
- ☐ {63} Oblo
- ☐ {64} Ongota
- ☐ {65} Oromo
- ☐ {66} Oropom
- ☐ {67} Portuguese
- ☐ {68} Rer Bare
- ☐ {69} Sena

- ☐ {70} Sepedi
- ☐ {71} Sesotho
- ☐ {72} Seychellois Creole
- ☐ {73} Shabo
- ☐ {74} Shona
- ☐ {75} Songhay
- ☐ {76} Somali
- ☐ {77} Sotho/Sesotho
- ☐ {78} Spanish
- ☐ {79} Swahili
- ☐ {80} Swati (Eswatini)
- ☐ {81} Swazi
- ☐ {82} Tamil
- ☐ {83} Telugu
- ☐ {84} Tigrinya
- ☐ {85} Tonga
- ☐ {86} Kalenjin
- ☐ {87} Tsonga
- ☐ {88} Twi
- ☐ {89} Tshiluba
- ☐ {90} Tshivenda
- ☐ {91} Tswana/Setswana
- ☐ {92} Umbundu
- ☐ {93} Venda
- ☐ {94} Weyto
- ☐ {95} Wutana
- ☐ {96} Wolof
- ☐ {97} Xhosa
- ☐ {98} Yeni
- ☐ {99} Yoruba
- ☐ {100} Zulu
- ☐ {777} Other

---

(If Other) Specify the participant's biological  
 father's native language:  
 {[flang\_other] text}  
 {Branching logic (show if): [flang]=777}

---

What is the participant's biological father's  
ethno-linguistic tribal affiliation?  
{[fethnicity] dropdown autocomplete}

- ☐ {1} Acholi
- ☐ {2} Afar
- ☐ {3} Afrikaner
- ☐ {4} Agaw
- ☐ {5} Aka
- ☐ {6} Akan
- ☐ {7} Aku
- ☐ {8} Alur
- ☐ {9} Ameru
- ☐ {10} Amhara
- ☐ {11} Anuak
- ☐ {12} Baka
- ☐ {13} Bambara
- ☐ {14} Banda
- ☐ {15} Banyoro
- ☐ {16} Basaa
- ☐ {17} Beja
- ☐ {18} Bemba
- ☐ {19} Berber
- ☐ {20} BetiPahuin
- ☐ {21} Biafada
- ☐ {22} Bilen
- ☐ {23} Cape Coloured
- ☐ {24} Chagga
- ☐ {25} Chewa
- ☐ {26} Chinese
- ☐ {27} Chokwe
- ☐ {28} Copt
- ☐ {29} Dendi
- ☐ {30} Dinka
- ☐ {31} Edo
- ☐ {32} English
- ☐ {33} Efik
- ☐ {34} Egyptian
- ☐ {35} Eket
- ☐ {36} Esan
- ☐ {37} Ewe
- ☐ {38} Fon
- ☐ {39} Fulani
- ☐ {40} Fur
- ☐ {41} Ga
- ☐ {42} Ganda
- ☐ {43} Gbaya
- ☐ {44} Goffal
- ☐ {45} Gurage
- ☐ {46} Gwari
- ☐ {47} Hausa
- ☐ {48} Herero
- ☐ {49} Himba
- ☐ {50} Hutu
- ☐ {51} Igbo
- ☐ {52} Ijaw
- ☐ {53} Indian
- ☐ {54} Italian
- ☐ {55} Jola
- ☐ {56} Kalanga
- ☐ {57} Kalenjin
- ☐ {58} Kamba
- ☐ {59} Kanuri
- ☐ {60} Khoikhoi
- ☐ {61} Kikuyu
- ☐ {62} Kongo
- ☐ {63} Kotoko
- ☐ {64} Kwama
- ☐ {65} Langi
- ☐ {66} Lemba
- ☐ {67} Lingala
- ☐ {68} Luba
- ☐ {69} Lugbara

- ☐ {70} Luhya
- ☐ {71} Luo
- ☐ {72} Maasai
- ☐ {73} Maghrebi
- ☐ {74} Makonde
- ☐ {75} Makua
- ☐ {76} Mande South
- ☐ {77} Mandingo
- ☐ {78} Marka
- ☐ {79} Mbunda
- ☐ {80} Mbundu
- ☐ {81} Mende
- ☐ {82} Moghamo
- ☐ {83} Mole-Dagbani
- ☐ {84} Mongo
- ☐ {85} Nambya
- ☐ {86} Ngamambo
- ☐ {87} North Ndebele
- ☐ {88} Nubian
- ☐ {89} Nuer
- ☐ {90} Oromo
- ☐ {91} Ovambo
- ☐ {92} Ovimbundu
- ☐ {93} Papel
- ☐ {94} Portuguese
- ☐ {95} Saho
- ☐ {96} Samburu
- ☐ {97} San
- ☐ {98} Sara
- ☐ {99} Serer
- ☐ {100} Shilluk
- ☐ {101} Shona
- ☐ {102} Sidama
- ☐ {103} Somali
- ☐ {104} Songhai
- ☐ {105} Sotho
- ☐ {106} South Ndebele
- ☐ {107} Spanish
- ☐ {108} Sua
- ☐ {109} Swahili
- ☐ {110} Swazi
- ☐ {111} Tigray-Tigrinya
- ☐ {112} Tigre
- ☐ {113} Tiv
- ☐ {114} Tonga
- ☐ {115} Toubou
- ☐ {116} Tsonga
- ☐ {117} Tswana
- ☐ {118} Tuareg
- ☐ {119} Tutsi
- ☐ {120} Twa
- ☐ {121} Urhobo
- ☐ {122} Venda
- ☐ {123} Wolof
- ☐ {124} Xhosa
- ☐ {125} Yeyi
- ☐ {126} Yoruba
- ☐ {127} Zaghawa
- ☐ {128} Zande
- ☐ {129} Zarma
- ☐ {130} Zulu
- ☐ {777} Other

---

(If Other) Specify the participant's biological  
father's ethnic or tribal affiliation:  
{[fethnicity\_other] text}  
{Branching logic (show if): [fethnicity]=777}



What is the participant's biological mother's country of birth?  
 {[mcob] dropdown autocomplete}

- ☐ {4} Afghanistan
- ☐ {248} Åland Islands
- ☐ {8} Albania
- ☐ {12} Algeria
- ☐ {16} American Samoa
- ☐ {20} Andorra
- ☐ {24} Angola
- ☐ {660} Anguilla
- ☐ {10} Antarctica
- ☐ {28} Antigua and Barbuda
- ☐ {32} Argentina
- ☐ {51} Armenia
- ☐ {533} Aruba
- ☐ {36} Australia
- ☐ {40} Austria
- ☐ {31} Azerbaijan
- ☐ {44} Bahamas (the)
- ☐ {48} Bahrain
- ☐ {50} Bangladesh
- ☐ {52} Barbados
- ☐ {112} Belarus
- ☐ {56} Belgium
- ☐ {84} Belize
- ☐ {204} Benin
- ☐ {60} Bermuda
- ☐ {64} Bhutan
- ☐ {68} Bolivia (Plurinational State of)
- ☐ {535} Bonaire, Sint Eustatius and Saba
- ☐ {70} Bosnia and Herzegovina
- ☐ {72} Botswana
- ☐ {74} Bouvet Island
- ☐ {76} Brazil
- ☐ {86} British Indian Ocean Territory (the)
- ☐ {96} Brunei Darussalam
- ☐ {100} Bulgaria
- ☐ {854} Burkina Faso
- ☐ {108} Burundi
- ☐ {132} Cabo Verde
- ☐ {116} Cambodia
- ☐ {120} Cameroon
- ☐ {124} Canada
- ☐ {136} Cayman Islands (the)
- ☐ {140} Central African Republic (the)
- ☐ {148} Chad
- ☐ {152} Chile
- ☐ {156} China
- ☐ {162} Christmas Island
- ☐ {166} Cocos (Keeling) Islands (the)
- ☐ {170} Colombia
- ☐ {174} Comoros (the)
- ☐ {180} Congo (the Democratic Republic of the)
- ☐ {178} Congo (the)
- ☐ {184} Cook Islands (the)
- ☐ {188} Costa Rica
- ☐ {384} Côte d'Ivoire
- ☐ {191} Croatia
- ☐ {192} Cuba
- ☐ {531} Curaçao
- ☐ {196} Cyprus
- ☐ {203} Czechia
- ☐ {208} Denmark
- ☐ {262} Djibouti
- ☐ {212} Dominica
- ☐ {214} Dominican Republic (the)
- ☐ {218} Ecuador
- ☐ {818} Egypt
- ☐ {222} El Salvador
- ☐ {226} Equatorial Guinea
- ☐ {232} Eritrea

- ☐ {233} Estonia
- ☐ {748} Eswatini
- ☐ {231} Ethiopia
- ☐ {238} Falkland Islands (the) [Malvinas]
- ☐ {234} Faroe Islands (the)
- ☐ {242} Fiji
- ☐ {246} Finland
- ☐ {250} France
- ☐ {254} French Guiana
- ☐ {258} French Polynesia
- ☐ {260} French Southern Territories (the)
- ☐ {266} Gabon
- ☐ {270} Gambia (the)
- ☐ {268} Georgia
- ☐ {276} Germany
- ☐ {288} Ghana
- ☐ {292} Gibraltar
- ☐ {300} Greece
- ☐ {304} Greenland
- ☐ {308} Grenada
- ☐ {312} Guadeloupe
- ☐ {316} Guam
- ☐ {320} Guatemala
- ☐ {831} Guernsey
- ☐ {324} Guinea
- ☐ {624} Guinea-Bissau
- ☐ {328} Guyana
- ☐ {332} Haiti
- ☐ {334} Heard Island and McDonald Islands
- ☐ {336} Holy See (the)
- ☐ {340} Honduras
- ☐ {344} Hong Kong
- ☐ {348} Hungary
- ☐ {352} Iceland
- ☐ {356} India
- ☐ {360} Indonesia
- ☐ {364} Iran (Islamic Republic of)
- ☐ {368} Iraq
- ☐ {372} Ireland
- ☐ {833} Isle of Man
- ☐ {376} Israel
- ☐ {380} Italy
- ☐ {388} Jamaica
- ☐ {392} Japan
- ☐ {832} Jersey
- ☐ {400} Jordan
- ☐ {398} Kazakhstan
- ☐ {404} Kenya
- ☐ {296} Kiribati
- ☐ {408} Korea (the Democratic People's Republic of)
- ☐ {410} Korea (the Republic of)
- ☐ {414} Kuwait
- ☐ {417} Kyrgyzstan
- ☐ {418} Lao People's Democratic Republic (the)
- ☐ {428} Latvia
- ☐ {422} Lebanon
- ☐ {426} Lesotho
- ☐ {430} Liberia
- ☐ {434} Libya
- ☐ {438} Liechtenstein
- ☐ {440} Lithuania
- ☐ {442} Luxembourg
- ☐ {446} Macao
- ☐ {450} Madagascar
- ☐ {454} Malawi
- ☐ {458} Malaysia
- ☐ {462} Maldives
- ☐ {466} Mali
- ☐ {470} Malta
- ☐ {584} Marshall Islands (the)
- ☐ {474} Martinique

- ☐ {478} Mauritania
- ☐ {480} Mauritius
- ☐ {175} Mayotte
- ☐ {484} Mexico
- ☐ {583} Micronesia (Federated States of)
- ☐ {498} Moldova (the Republic of)
- ☐ {492} Monaco
- ☐ {496} Mongolia
- ☐ {499} Montenegro
- ☐ {500} Montserrat
- ☐ {504} Morocco
- ☐ {508} Mozambique
- ☐ {104} Myanmar
- ☐ {516} Namibia
- ☐ {520} Nauru
- ☐ {524} Nepal
- ☐ {528} Netherlands (the)
- ☐ {540} New Caledonia
- ☐ {554} New Zealand
- ☐ {558} Nicaragua
- ☐ {562} Niger (the)
- ☐ {566} Nigeria
- ☐ {570} Niue
- ☐ {574} Norfolk Island
- ☐ {807} North Macedonia
- ☐ {580} Northern Mariana Islands (the)
- ☐ {578} Norway
- ☐ {512} Oman
- ☐ {586} Pakistan
- ☐ {585} Palau
- ☐ {275} Palestine, State of
- ☐ {591} Panama
- ☐ {598} Papua New Guinea
- ☐ {600} Paraguay
- ☐ {604} Peru
- ☐ {608} Philippines (the)
- ☐ {612} Pitcairn
- ☐ {616} Poland
- ☐ {620} Portugal
- ☐ {630} Puerto Rico
- ☐ {634} Qatar
- ☐ {638} Réunion
- ☐ {642} Romania
- ☐ {643} Russian Federation (the)
- ☐ {646} Rwanda
- ☐ {652} Saint Barthélemy
- ☐ {654} Saint Helena, Ascension and Tristan da Cunha
- ☐ {659} Saint Kitts and Nevis
- ☐ {662} Saint Lucia
- ☐ {663} Saint Martin (French part)
- ☐ {666} Saint Pierre and Miquelon
- ☐ {670} Saint Vincent and the Grenadines
- ☐ {882} Samoa
- ☐ {674} San Marino
- ☐ {678} Sao Tome and Principe
- ☐ {682} Saudi Arabia
- ☐ {686} Senegal
- ☐ {688} Serbia
- ☐ {690} Seychelles
- ☐ {694} Sierra Leone
- ☐ {702} Singapore
- ☐ {534} Sint Maarten (Dutch part)
- ☐ {703} Slovakia
- ☐ {705} Slovenia
- ☐ {90} Solomon Islands
- ☐ {706} Somalia
- ☐ {710} South Africa
- ☐ {239} South Georgia and the South Sandwich Islands
- ☐ {728} South Sudan
- ☐ {724} Spain
- ☐ {144} Sri Lanka

- ☐ {729} Sudan (the)
- ☐ {740} Suriname
- ☐ {744} Svalbard and Jan Mayen
- ☐ {752} Sweden
- ☐ {756} Switzerland
- ☐ {760} Syrian Arab Republic (the)
- ☐ {158} Taiwan (Province of China)
- ☐ {762} Tajikistan
- ☐ {834} Tanzania, the United Republic of
- ☐ {764} Thailand
- ☐ {626} Timor-Leste
- ☐ {768} Togo
- ☐ {772} Tokelau
- ☐ {776} Tonga
- ☐ {780} Trinidad and Tobago
- ☐ {788} Tunisia
- ☐ {792} Turkey
- ☐ {795} Turkmenistan
- ☐ {796} Turks and Caicos Islands (the)
- ☐ {798} Tuvalu
- ☐ {800} Uganda
- ☐ {804} Ukraine
- ☐ {784} United Arab Emirates (the)
- ☐ {826} United Kingdom of Great Britain and Northern Ireland (the)
- ☐ {581} United States Minor Outlying Islands (the)
- ☐ {840} United States of America (the)
- ☐ {858} Uruguay
- ☐ {860} Uzbekistan
- ☐ {548} Vanuatu
- ☐ {862} Venezuela (Bolivarian Republic of)
- ☐ {704} Viet Nam
- ☐ {92} Virgin Islands (British)
- ☐ {850} Virgin Islands (U.S.)
- ☐ {876} Wallis and Futuna
- ☐ {732} Western Sahara\*
- ☐ {887} Yemen
- ☐ {894} Zambia
- ☐ {716} Zimbabwe

What is the participant's biological mother's native language?  
 {[mlang] dropdown autocomplete}

- ☐ {1} Abron
- ☐ {2} Afar
- ☐ {3} Afrikaans
- ☐ {4} Akan
- ☐ {5} Amharic,
- ☐ {6} Arabic
- ☐ {7} Bangi Me
- ☐ {8} Bayot
- ☐ {9} Berber
- ☐ {10} Bhojpuri
- ☐ {11} Cape Verdean Creole
- ☐ {12} Chewa
- ☐ {13} Comorian
- ☐ {14} Creole
- ☐ {15} Dangme
- ☐ {16} Dinka
- ☐ {17} Dompo
- ☐ {18} English
- ☐ {19} Ega
- ☐ {20} Ewe
- ☐ {21} Fon
- ☐ {22} French
- ☐ {23} Fulani
- ☐ {24} Fur
- ☐ {25} Ga
- ☐ {26} German
- ☐ {27} Gikuyu
- ☐ {28} Gomba
- ☐ {29} Gumuz
- ☐ {30} Hadza
- ☐ {31} Hausa
- ☐ {32} Hindi
- ☐ {33} Igbo
- ☐ {34} Irimba
- ☐ {35} Italian
- ☐ {36} Jalaa
- ☐ {37} Kanuri
- ☐ {38} Khoekhoe
- ☐ {39} Kimbundu
- ☐ {40} Kinyarwanda
- ☐ {41} Kirundi
- ☐ {42} Kituba
- ☐ {43} Kongo
- ☐ {44} Kujarge
- ☐ {45} Laal
- ☐ {46} Lingala
- ☐ {47} Lufu
- ☐ {48} Luganda
- ☐ {49} Luo
- ☐ {50} Maasai
- ☐ {51} Malagasy
- ☐ {52} Mauritian Creole
- ☐ {53} Mawa
- ☐ {54} Meyobe
- ☐ {55} Mimi
- ☐ {56} Mossi
- ☐ {57} Mpra
- ☐ {58} Nambya
- ☐ {59} Ndau
- ☐ {60} Ndebele
- ☐ {61} Nobiin
- ☐ {62} Noon
- ☐ {63} Oblo
- ☐ {64} Ongota
- ☐ {65} Oromo
- ☐ {66} Oropom
- ☐ {67} Portuguese
- ☐ {68} Rer Bare
- ☐ {69} Sena

- ☐ {70} Sepedi
- ☐ {71} Sesotho
- ☐ {72} Seychellois Creole
- ☐ {73} Shabo
- ☐ {74} Shona
- ☐ {75} Songhay
- ☐ {76} Somali
- ☐ {77} Sotho/Sesotho
- ☐ {78} Spanish
- ☐ {79} Swahili
- ☐ {80} Swati (Eswatini)
- ☐ {81} Swazi
- ☐ {82} Tamil
- ☐ {83} Telugu
- ☐ {84} Tigrinya
- ☐ {85} Tonga
- ☐ {86} Kalenjin
- ☐ {87} Tsonga
- ☐ {88} Twi
- ☐ {89} Tshiluba
- ☐ {90} Tshivenda
- ☐ {91} Tswana/Setswana
- ☐ {92} Umbundu
- ☐ {93} Venda
- ☐ {94} Weyto
- ☐ {95} Wutana
- ☐ {96} Wolof
- ☐ {97} Xhosa
- ☐ {98} Yeni
- ☐ {99} Yoruba
- ☐ {100} Zulu
- ☐ {777} Other

---

(If Other) Specify the participant's biological  
 mother's native language:  
 {[mlang\_other] text}  
 {Branching logic (show if): [mlang]=777}

---

What is the participant's biological mother's ethnic  
or tribal affiliation?  
{[methnicity] dropdown}

- ☐ {1} Acholi
- ☐ {2} Afar
- ☐ {3} Afrikaner
- ☐ {4} Agaw
- ☐ {5} Aka
- ☐ {6} Akan
- ☐ {7} Aku
- ☐ {8} Alur
- ☐ {9} Ameru
- ☐ {10} Amhara
- ☐ {11} Anuak
- ☐ {12} Baka
- ☐ {13} Bambara
- ☐ {14} Banda
- ☐ {15} Banyoro
- ☐ {16} Basaa
- ☐ {17} Beja
- ☐ {18} Bemba
- ☐ {19} Berber
- ☐ {20} BetiPahuin
- ☐ {21} Biafada
- ☐ {22} Bilen
- ☐ {23} Cape Coloured
- ☐ {24} Chagga
- ☐ {25} Chewa
- ☐ {26} Chinese
- ☐ {27} Chokwe
- ☐ {28} Copt
- ☐ {29} Dendi
- ☐ {30} Dinka
- ☐ {31} Edo
- ☐ {32} English
- ☐ {33} Efik
- ☐ {34} Egyptian
- ☐ {35} Eket
- ☐ {36} Esan
- ☐ {37} Ewe
- ☐ {38} Fon
- ☐ {39} Fulani
- ☐ {40} Fur
- ☐ {41} Ga
- ☐ {42} Ganda
- ☐ {43} Gbaya
- ☐ {44} Goffal
- ☐ {45} Gurage
- ☐ {46} Gwari
- ☐ {47} Hausa
- ☐ {48} Herero
- ☐ {49} Himba
- ☐ {50} Hutu
- ☐ {51} Igbo
- ☐ {52} Ijaw
- ☐ {53} Indian
- ☐ {54} Italian
- ☐ {55} Jola
- ☐ {56} Kalanga
- ☐ {57} Kalenjin
- ☐ {58} Kamba
- ☐ {59} Kanuri
- ☐ {60} Khoikhoi
- ☐ {61} Kikuyu
- ☐ {62} Kongo
- ☐ {63} Kotoko
- ☐ {64} Kwama
- ☐ {65} Langi
- ☐ {66} Lemba
- ☐ {67} Lingala
- ☐ {68} Luba
- ☐ {69} Lugbara

- ☐ {70} Luhya
- ☐ {71} Luo
- ☐ {72} Maasai
- ☐ {73} Maghrebi
- ☐ {74} Makonde
- ☐ {75} Makua
- ☐ {76} Mande South
- ☐ {77} Mandingo
- ☐ {78} Marka
- ☐ {79} Mbunda
- ☐ {80} Mbundu
- ☐ {81} Mende
- ☐ {82} Moghamo
- ☐ {83} Mole-Dagbani
- ☐ {84} Mongo
- ☐ {85} Nambya
- ☐ {86} Ngamambo
- ☐ {87} North Ndebele
- ☐ {88} Nubian
- ☐ {89} Nuer
- ☐ {90} Oromo
- ☐ {91} Ovambo
- ☐ {92} Ovimbundu
- ☐ {93} Papel
- ☐ {94} Portuguese
- ☐ {95} Saho
- ☐ {96} Samburu
- ☐ {97} San
- ☐ {98} Sara
- ☐ {99} Serer
- ☐ {100} Shilluk
- ☐ {101} Shona
- ☐ {102} Sidama
- ☐ {103} Somali
- ☐ {104} Songhai
- ☐ {105} Sotho
- ☐ {106} South Ndebele
- ☐ {107} Spanish
- ☐ {108} Sua
- ☐ {109} Swahili
- ☐ {110} Swazi
- ☐ {111} Tigray-Tigrinya
- ☐ {112} Tigre
- ☐ {113} Tiv
- ☐ {114} Tonga
- ☐ {115} Toubou
- ☐ {116} Tsonga
- ☐ {117} Tswana
- ☐ {118} Tuareg
- ☐ {119} Tutsi
- ☐ {120} Twa
- ☐ {121} Urhobo
- ☐ {122} Venda
- ☐ {123} Wolof
- ☐ {124} Xhosa
- ☐ {125} Yeyi
- ☐ {126} Yoruba
- ☐ {127} Zaghawa
- ☐ {128} Zande
- ☐ {129} Zarma
- ☐ {130} Zulu
- ☐ {777} Other



(If Other) Specify the participant's biological mother's ethnic or tribal affiliation:

{[methnicity\_other] text}

{Branching logic (show if): [methnicity]=777}

Is the participant currently attending school?

{[school\_current] radio}

☐ {1} Yes

☐ {0} No

(If Yes) What type of school?

{[schooltype] radio}

{Branching logic (show if): [school\_current]='1'}

☐ {1} Early Learning Centre / Nursery / Creche

☐ {2} Preschool / Kindergarten / Grade R

☐ {3} Public Primary school (Grade 1 - 7)

☐ {4} Private Primary school (Grade 1 - 7)

☐ {5} Public Secondary school (Grade 8 - 12)

☐ {6} Private Secondary school (Grade 8 - 12)

☐ {7} Special school / School for children with disabilities

☐ {8} Homeschool / Cottage school

☐ {9} Tertiary school / College / Technikon / University

(If No) What is the highest level of education achieved by the participant?

{[highest\_education] radio}

{Branching logic (show if): [school\_current]='0'}

☐ {0} No formal education

☐ {1} Primary

☐ {2} Secondary

☐ {3} Tertiary

What is the highest level of education achieved by the participant's primary caregiver?

{[caregiver\_education] radio}

{Branching logic (show if): [agecalc]< 19}

☐ {0} No formal education

☐ {1} Primary

☐ {2} Secondary

☐ {3} Tertiary

What is the employment status of the participant's primary caregiver?

{[caregiver\_employ] radio}

{Branching logic (show if): [agecalc]< 19}

☐ {1} Self employed

☐ {2} Formal full-time employment by someone else

☐ {3} Part-time employment by someone else

☐ {4} Informal employment (dependent on availability of work)

☐ {0} Unemployed

Demographics - Core Instrument Version 2.0 Released September 2022

H3ABioNet & H3Africa Phenotype Standards

Collection date of anthropometrics measures:  
 {[anthro\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## HEAD CIRCUMFERENCE

Head circumference measurement #1:

{[head\_circ\_1] text}

{Branching logic (show if): [agecalc]< 12}

(Please provide head measurement in centimetres.)

Head circumference measurement #2:

{[head\_circ\_2] text}

{Branching logic (show if): [agecalc]< 12}

(Please provide head measurement in centimetres.)

Head circumference measurement #3:

{[head\_circ\_3] text}

{Branching logic (show if): [agecalc]< 12}

(Please provide head measurement in centimetres.)

Calculated average head circumference (cm):

{[head\_circ\_avg] calc}

{Branching logic (show if): [agecalc]< 12}

(This field is automatically calculated.)

## HEIGHT

Height measurement #1:

{[height\_1] text integer}

(Provide measurement in centimetres.)

Height measurement #2:

{[height\_2] text integer}

(Provide measurement in centimetres.)

Height measurement #3:

{[height\_3] text integer}

(Provide measurement in centimetres.)

Calculated average height (cm):

{[height\_avg] calc}

(This field is automatically calculated.)

Approximate height reported by participant:

(Only if measuring height is not possible)

{[height\_self] text integer}

(Provide measurement in centimetres.)

**WEIGHT**

Weight measurement #1:

{[weight\_1] text float}

(Provide weight measurement in kilograms.)

Weight measurement #2:

{[weight\_2] text float}

(Provide weight measurement in kilograms.)

Weight measurement #3:

{[weight\_3] text float}

(Provide weight measurement in kilograms.)

Calculated average weight (kg):

{[weight\_avg] calc}

(This field is automatically calculated.)

Is the participant wearing a cast or medical prosthesis?

{[medpros] radio}

☐ {1} Yes☐ {0} No

Location of cast or medical prosthesis:

{[proslocation] text}

{Branching logic (show if): [medpros]=1}

Is the participant wearing street clothes during the weight measurements?

{[weightclothed] radio}

☐ {1} Yes☐ {0} No

Approximate weight reported by the participant:

(Only if measuring weight is not possible)

{[weight\_self] text float}

(Provide weight measurement in kilograms.)

**MID-UPPER ARM CIRCUMFERENCE**

Mid-upper arm circumference measurement #1:

{[arm\_circ\_1] text integer}

(Provide mid-upper arm measurement in centimetres.)

Mid-upper arm circumference measurement #2:

{[arm\_circ\_2] text integer}

(Provide mid-upper arm measurement in centimetres.)

Mid-upper arm circumference measurement #3:

{[arm\_circ\_3] text integer}

(Provide mid-upper arm measurement in centimetres.)

Calculated average mid-upper arm circumference (cm):

{[arm\_circ\_avg] calc}

(This field is automatically calculated.)

## HIP CIRCUMFERENCE

Hip circumference measurement #1:

{[hip\_circ\_1] text integer}

(Provide hip circumference measurement in centimetres.)

Hip circumference measurement #2:

{[hip\_circ\_2] text integer}

(Provide hip circumference measurement in centimetres.)

Hip circumference measurement #3:

{[hip\_circ\_3] text integer}

(Provide hip circumference measurement in centimetres.)

Calculated average hip circumference (cm):

{[hip\_circ\_avg] calc}

(This field is automatically calculated.)

## WAIST CIRCUMFERENCE

Waist circumference measurement #1:

{[waist\_circ\_1] text}

(Please provide waist measurement in centimetres.)

Waist circumference measurement #2:

{[waist\_circ\_2] text}

(Please provide waist measurement in centimetres.)

Waist circumference measurement #3:

{[waist\_circ\_3] text}

(Please provide waist measurement in centimetres.)

Calculated average waist circumference (cm):

{[waist\_circ\_avg] calc}

(This field is automatically calculated.)

Anthropometrics - Core Instrument Version 2.0 Released September 2022  
H3ABioNet & H3Africa Phenotype Standards

# Hypertension History Core

Collection date of hypertension information:  
 {[hypertens\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## HYPERTENSION HISTORY

Has a healthcare worker ever said the participant has  
 high blood pressure or hypertension?  
 {[hypertens] radio}

- ☐ {1} Yes  
☐ {0} No

(If Yes) At what age was the participant first told  
 this?

{[hypertens\_age] text integer}

(Provide age in years.)

{Branching logic (show if): [hypertens] = "1"}

(FOR Women): Was this during pregnancy only?

{[gesthypertens] radio}

{Branching logic (show if): [hypertens] = "1" and  
 [sex]=2}

- ☐ {1} Yes  
☐ {0} No

Has the participant ever taken medication for  
 hypertension/high blood pressure?

{[bpmeds] radio}

{Branching logic (show if): [hypertens] = "1"}

- ☐ {1} Yes now  
☐ {2} Yes not now  
☐ {0} No

(If Yes) At what age did they begin taking medicine  
 for hypertension/high blood pressure?

{[bpmedstart] text integer}

(Provide age in years.)

{Branching logic (show if): [bpmeds] = 1 or [bpmeds] =  
 2}

Hypertension History - Core Instrument Version 2.0 Released September 2022  
 H3ABioNet & H3Africa Phenotype Standards

# Blood Pressure Core

Date of blood pressure measurements:

{[bp\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## BLOOD PRESSURE MEASUREMENTS

For blood pressure measurements, specify Aneroid sphygmomanometers name and model:

{[bpdevice] text}

Blood pressure cuffs size used (S, M, L, XL):

{[bpdevice\_size] radio}

☐ {0} S ☐ {1} M ☐ {2} L  
☐ {3} XL

Systolic Pressure measurement #1:

{[bp\_systolic1] text float}

(mmHg)

Diastolic Pressure measurement #1:

{[bp\_diastolic1] text float}

(mmHg)

Systolic Pressure measurement #2:

{[bp\_systolic2] text float}

(mmHg)

Diastolic Pressure measurement #2:

{[bp\_diastolic2] text float}

(mmHg)

Systolic Pressure measurement #3:

{[bp\_systolic3] text float}

(mmHg)

Diastolic Pressure measurement #3:

{[bp\_diastolic3] text float}

(mmHg)

Average (calculated) systolic blood pressure measurement:

{[bp\_systolic\_avg] calc}

(This field is automatically calculated.)

Average (calculated) diastolic blood pressure measurement:

{[bp\_diastolic\_avg] calc}

(This field is automatically calculated.)

Blood Pressure - Core Instrument Version 2.0 Released September 2022

H3ABioNet & H3Africa Phenotype Standards

# Urine Results

---

108) Urine sample collection date:  
{[urine\_collectdate] text date\_dmy}

\_\_\_\_\_  
(DD-MM-YYYY)

---

109) Urinary albumin  
{[urine\_albumin] text float}

\_\_\_\_\_  
(mg/L)

---

110) Urinary creatinine  
{[urine\_creatinine] text float}

\_\_\_\_\_  
(mg/L)

---

111) Urinary total protein  
{[urine\_protein] text float}

\_\_\_\_\_  
(mg/L)

---

Urine Results - Core Instrument Version 2.0 Released September 2022  
H3ABioNet & H3Africa Phenotype Standards

# Smoking Exposure Core

Collection date of smoking exposure information:

{[smokexp\_collectdate] text date\_dmy}

{Branching logic (show if): [agecalc]< 19}

(DD-MM-YYYY)

## SMOKING EXPOSURE

Does anyone in the participant's household smoke cigarettes or other tobacco-based products?

{[hhsmokers] yesno}

{Branching logic (show if): [agecalc]< 19}

☐ Yes

☐ No

(If Yes) How many members in the household smoke?

{[numsmokers] text integer}

{Branching logic (show if): [agecalc]< 19 and

[hhsmokers] = '1'}

(If Yes) How frequently do they smoke?

{[freq\_hhsmoke] radio}

{Branching logic (show if): [agecalc]< 19 and

[hhsmokers] = '1'}

☐ {1} Once, daily

☐ {2} More than once, daily

☐ {3} Weekly

☐ {4} Infrequently

Smoking Exposure - Core Instrument Version 2.0 Released September 2022

H3ABioNet & H3Africa Phenotype Standards



# Smoking Status Core

Collection date of smoking status information:

{[smoke\_collectdate] text date\_dmy}

{Branching logic (show if): [agecalc]>=12}

(DD-MM-YYYY)

## SMOKING STATUS

Has the participant smoked at least 100 tobacco cigarettes in his/her entire life?

{[smoked100] yesno}

{Branching logic (show if): [agecalc]>18}

☐ Yes

☐ No

Has the participant used at least 1 tobacco cigarette in his/her entire life (including cigarette, e-cigarette, vape, cigar etc.)?

{[smoked1] yesno}

{Branching logic (show if): [agecalc]< 19 and [agecalc]>=12}

☐ Yes

☐ No

How old was the participant when he/she first started smoking tobacco cigarettes?

{[smoking\_onset] text integer}

{Branching logic (show if): [smoked100]= 1 or [smoked1] = 1}

(Provide age in years.)

What type of smoker would you currently say you are:

{[smoking\_status] radio}

{Branching logic (show if): [smoked100]= 1 or [smoked1] = 1}

☐ {1} An EVERY day smoker

☐ {2} A FAIRLY REGULAR (some days) smoker

☐ {3} A FORMER smoker

☐ {-992} Don't Know

☐ {-995} Refused

Has the participant EVER smoked tobacco cigarettes EVERY DAY for at least 6 months?

{[smoking\_daily6m] yesno}

{Branching logic (show if): [smoked100]= 1 or [smoked1] = 1}

☐ Yes

☐ No

On the days that you smoke, on average, how many tobacco cigarettes does the participant smoke?

OR

If you are a former smoker, on the days that you smoked, on average, how many tobacco cigarettes did you smoke?

{[smokes\_per\_day] text integer}

{Branching logic (show if): [smoked100]= 1 or [smoked1] = 1}

(Provide average number of cigarettes per day)

Over the past 30 days, on how many days did you smoke?

OR

If you are a former smoker, on average, on how many days did you smoke in a month?

{[smoke\_days\_1m] text integer}

{Branching logic (show if): [smoked100]= 1 or [smoked1] = 1}

(Every day smokers or former every day smokers should complete with '30'.)

(FOR Former Smokers): About how long has it been since you COMPLETELY quit smoking tobacco cigarettes?

{[quitsmoking] text integer}

{Branching logic (show if): [smoking\_status] = 3}

Length of time since quitting measured in:

{[quitsmokingunits] radio}

{Branching logic (show if): [smoking\_status] = 3}

☐ {1} Years

☐ {2} Months

☐ {3} Weeks

☐ {4} Days

## TOBACCO (NON-CIGARETTE) - PRODUCT USE

In his/her lifetime, has the participant ....

{1} Yes

{0} No

Smoked at least 50 cigars?

☐

☐

{[cigars] radio}

{Branching logic (show if):

[agecalc]>18}

Smoked a pipe at least 50 times?

☐

☐

{[pipe] radio}

{Branching logic (show if):

[agecalc]>18}

Used at least one cigarette or vape at

☐

☐

least 50 times?

{[vape] radio}

{Branching logic (show if):

[agecalc]>18}

Used snuff, (such as Skoal, Skoal Bandit or Copenhagen) at least 20 times?

☐

☐

{[snuff] radio}

{Branching logic (show if):

[agecalc]>18}

Used chewing tobacco (such as Redman, Levi Garrett or Beechnut) at least 20 times?

☐

☐

{[chewtobac] radio}

{Branching logic (show if):

[agecalc]>18}

Smoking Status - Core Instrument Version 2.0 Released September 2022  
H3ABioNet & H3Africa Phenotype Standards

# Alcohol Exposure Core

Collection date of alcohol exposure information:

{[alcexp\_collectdate] text date\_dmy}

{Branching logic (show if): [agecalc]< 19}

(DD-MM-YYYY)

## ALCOHOL EXPOSURE

Does anyone in the participant's household drink alcohol?

{[hhdrink] yesno}

{Branching logic (show if): [agecalc]< 19}

☐ Yes

☐ No

(If Yes) How many members in the household drink alcohol?

{[numhhdrink] text integer}

{Branching logic (show if): [agecalc]< 19 AND [hhdrink]="1"}

(If Yes) How frequently do they drink alcohol?

{[freq\_hhdrink] radio}

{Branching logic (show if): [agecalc]< 19 AND [hhdrink]="1"}

☐ {1} Once, daily

☐ {2} More than once, daily

☐ {3} Weekly

☐ {4} Infrequently

Alcohol Exposure - Core Instrument Version 2.0 Released September 2022

H3ABioNet & H3Africa Phenotype Standards

# Alcohol Consumption Core

Collection date for alcohol use information:  
 {[alcohol\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## ALCOHOL CONSUMPTION

In his/her entire life, has the participant had at least 1 drink of any kind of alcohol?  
 (not counting small tastes or sips)  
 {[alcohol\_any] yesno}  
 {Branching logic (show if): [agecalc]>18}

- ☐ Yes  
☐ No

About how old was the participant when he/she first started drinking alcohol?  
 (not counting small tastes or sips)  
 {[alcohol\_age] text integer}  
 {Branching logic (show if): [agecalc]>=12 and [alcohol\_any] = '1'}

(Provide age in years.)

During the past 30 days, on how many days did the participant drink one or more drinks of an alcoholic beverage?  
 {[alcohol\_30days] text integer}  
 {Branching logic (show if): [agecalc]>=12 and [alcohol\_any] = '1'}

(Enter "00" if the participant did not drink in the past 30 days.)

On the days that the participant drank during the past 30 days, how many drinks did he/she usually have each day?

(Enter "00" if the participant did not drink in the past 30 days.)

(Count as a drink a can or bottle of beer; a wine cooler or a glass of wine, champagne, or sherry; a shot of liquor or a mixed drink or cocktail.)  
 {[alcohol\_numdrinks] text integer}  
 {Branching logic (show if): [agecalc]>=12 and [alcohol\_any] = '1' and [alcohol\_30days]"00"}

What was the LARGEST number of drinks that he/she ever drank in a single day?  
 {[alcohol\_mostdrinks] text integer}  
 {Branching logic (show if): [agecalc]>=12 and [alcohol\_any] = '1'}

What is the participant's preferred alcoholic beverage?

{[alcohol\_prefbev] radio}  
 {Branching logic (show if): [agecalc]>18}

- ☐ {1} Beer  
☐ {2} Brandy  
☐ {3} Cider  
☐ {4} Gin  
☐ {5} Rum  
☐ {6} Tequila  
☐ {7} Vodka  
☐ {8} Whiskey  
☐ {9} Wine  
☐ {777} Other

---

(If Other) Specify preferred alcoholic beverage:

{[alcohol\_prefbevother] text}

{Branching logic (show if): [agecalc]>18 and  
[alcohol\_prefbev]='777'}

---

Alcohol Use - Core Instrument Version 2.0 Released September 2022  
H3ABioNet & H3Africa Phenotype Standards

# Drug Use Core

## DRUG USE

Collection date of drug use information:

{[drug\_collectdate] text date\_dmy}

{Branching logic (show if): [agecalc]>=12}

(DD-MM-YYYY)

## Has the participant ever used any of the following substances...

	{1} Yes	{0} No
Club Drugs {[clubdrugs] radio} {Branching logic (show if): [agecalc]>=12}	<input type="radio"/>	<input type="radio"/>
Cocaine / Crack Cocaine? {[cocaine] radio} {Branching logic (show if): [agecalc]>=12}	<input type="radio"/>	<input type="radio"/>
Hallucinogens? {[hallucinog] radio} {Branching logic (show if): [agecalc]>=12}	<input type="radio"/>	<input type="radio"/>
Heroin? {[heroin] radio} {Branching logic (show if): [agecalc]>=12}	<input type="radio"/>	<input type="radio"/>
Inhalents / Solvents? {[inhalents] radio} {Branching logic (show if): [agecalc]>=12}	<input type="radio"/>	<input type="radio"/>
Marijuana? {[marijuana] radio} {Branching logic (show if): [agecalc]>=12}	<input type="radio"/>	<input type="radio"/>
Painkillers? {[painkillers] radio} {Branching logic (show if): [agecalc]>=12}	<input type="radio"/>	<input type="radio"/>
Sedatives / Tranquilizers? {[sedatives] radio} {Branching logic (show if): [agecalc]>=12}	<input type="radio"/>	<input type="radio"/>
Stimulants? {[stimulants] radio} {Branching logic (show if): [agecalc]>=12}	<input type="radio"/>	<input type="radio"/>
Any other non-prescribed substances? {[othersubs] radio} {Branching logic (show if): [agecalc]>=12}	<input type="radio"/>	<input type="radio"/>

Club Drugs: Age of First Use?

{[clubdrugs\_age] text integer}

{Branching logic (show if): [clubdrugs] = '1'}

(Age in years.)

---

Club Drugs: Frequency Used in Past 30 Days?

{[clubdrugs\_days] text integer}

{Branching logic (show if): [clubdrugs] = '1'}

\_\_\_\_\_  
(Provide number of days used.)

---

Cocaine / Crack Cocaine: Age of First Use?

{[cocaine\_age] text integer}

{Branching logic (show if): [cocaine] = '1'}

\_\_\_\_\_  
(Age in years.)

---

Cocaine / Crack Cocaine: Frequency Used in Past 30 Days?

{[cocaine\_days] text integer}

{Branching logic (show if): [cocaine] = '1'}

\_\_\_\_\_  
(Provide number of days used.)

---

Hallucinogens: Age of First Use?

{[hallucin\_age] text integer}

{Branching logic (show if): [hallucinog] = '1'}

\_\_\_\_\_  
(Provide age in years.)

---

Hallucinogens: Frequency Used in Past 30 Days?

{[hallucin\_days] text integer}

{Branching logic (show if): [hallucinog] = '1'}

\_\_\_\_\_  
(Provide number of days used.)

---

Heroin: Age of First Use?

{[heroin\_age] text integer}

{Branching logic (show if): [heroin] = '1'}

\_\_\_\_\_  
(Provide age in years.)

---

Heroin: Frequency Used in Past 30 Days?

{[heroin\_days] text integer}

{Branching logic (show if): [heroin] = '1'}

\_\_\_\_\_  
(Provide number of days used.)

---

Inhalents / Solvents: Age of First Use?

{[inhalents\_age] text integer}

{Branching logic (show if): [inhalents] = '1'}

\_\_\_\_\_  
(Provide age in years.)

---

Inhalents / Solvents: Frequency Used in Past 30 Days?

{[inhalents\_days] text integer}

{Branching logic (show if): [inhalents] = '1'}

\_\_\_\_\_  
(Provide number of days used.)

---

Marijuana: Age of First Use?

{[marij\_age] text integer}

{Branching logic (show if): [marijuana] = '1'}

\_\_\_\_\_  
(Provide age in years.)

---

Marijuana: Frequency Used in Past 30 Days?

{[marij\_days] text integer}

{Branching logic (show if): [marijuana] = '1'}

\_\_\_\_\_  
(Provide number of days used.)

---

Painkillers: Age of First Use?

{[pain\_age] text integer}

{Branching logic (show if): [painkillers] = '1'}

\_\_\_\_\_  
(Provide age in years.)

---

Painkillers: Frequency Used in Past 30 Days?

{[pain\_days] text integer}

{Branching logic (show if): [painkillers] = '1'}

\_\_\_\_\_  
(Provide number of days used.)

---

Sedatives: Age of First Use?

{[sedatives\_age] text integer}

{Branching logic (show if): [sedatives] = '1'}

\_\_\_\_\_  
(Provide age in years.)

---

---

Sedatives: Frequency Used in Past 30 Days?

{[sedatives\_days] text integer}

{Branching logic (show if): [sedatives] = '1'}

\_\_\_\_\_  
(Provide number of days used.)

---

Stimulants: Age of First Use?

{[stim\_age] text integer}

{Branching logic (show if): [stimulants] = '1'}

\_\_\_\_\_  
(Provide age in years.)

---

Stimulants: Frequency Used in Past 30 Days?

{[stim\_days] text integer}

{Branching logic (show if): [stimulants] = '1'}

\_\_\_\_\_  
(Provide number of days used.)

---

(If Other) Specify the substances the participant has  
used in their lifetime:

{[othersubs\_specify] text}

{Branching logic (show if): [othersubs] = '1'}

\_\_\_\_\_

---

Other non-prescribed medications or substances: Age of  
First Use?

{[othersubs\_age] text integer}

{Branching logic (show if): [othersubs] = '1'}

\_\_\_\_\_  
(Provide age in years.)

---

Other non-prescribed medications or substances:  
Frequency Used in Past 30 Days?

{[othersubs\_days] text integer}

{Branching logic (show if): [othersubs] = '1'}

\_\_\_\_\_  
(Provide number of days used.)

---

Drug Use - Core Instrument Version 2.0 Released September 2022  
H3ABioNet & H3Africa Phenotype Standards



# Medication Log Core

Collection date for medication information:

{[medlog\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## MEDICATION LOG

Medication name:

{[med\_name] text}

Medication Coded Name:

{[med\_code] text}

Indication/reason for medication?

{[med\_indication] text}

Start date:

{[med\_startdate] text date\_dmy}

(DD-MM-YYYY)

Ongoing?

{[med\_ongoing] yesno}

☐ Yes ☐ No

Stop date:

{[med\_stopdate] text date\_dmy}

{Branching logic (show if): [med\_ongoing]="0"}

(DD-MM-YYYY)

Dose amount:

{[med\_dose] text float}

Dose units:

{[med\_units] dropdown}

- ☐ {1} mg
- ☐ {2} ml
- ☐ {3} spray or puff
- ☐ {4} tablet
- ☐ {5} pill
- ☐ {6} softgel
- ☐ {7} capsule
- ☐ {8} application

Dose frequency:

{[med\_freq] dropdown}

- ☐ {1} once per day (QD)
- ☐ {2} twice a day (BID)
- ☐ {3} three times a day (TID)
- ☐ {4} four times a day (QID)
- ☐ {5} nightly (NOCT)
- ☐ {6} as needed (PRN)

---

Route of administration:  
{[med\_route] dropdown}

- ☐ {1} Orally    ☐ {2} Per rectum  
☐ {3} Intravenous    ☐ {4} Per vaginal  
☐ {5} Inhaled    ☐ {6} Intramuscularly  
☐ {7} Nasogastric    ☐ {8} Subcutaneously  
☐ {9} Sublingually    ☐ {10} Topical
- 

Medication Log - Core Instrument Version 2.0 Released September 2022  
H3ABioNet & H3Africa Phenotype Standards

# Diabetes History Core

Collection date for diabetes information:

{[diabetes\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## DIABETES HISTORY

Has a doctor or healthcare worker ever told the participant that he/she has diabetes (sugar in blood)?

☐ Yes  
☐ No

{[diabetes] yesno}

(FOR Women, If Yes): Did the doctor diagnose the participant with gestational diabetes (diabetes occurring ONLY during pregnancy)?

☐ Yes  
☐ No

{[gest\_diabetes] yesno}

{Branching logic (show if): [sex] = '2' and [diabetes] = '1'}

(If Yes) Did the doctor diagnose the participant with type 1 diabetes?

☐ Yes  
☐ No

{[type1\_diabetes] yesno}

{Branching logic (show if): [diabetes] = '1'}

(If Yes) Did the doctor diagnose the participant with type 2 diabetes?

☐ Yes  
☐ No

{[type2\_diabetes] yesno}

{Branching logic (show if): [diabetes] = '1'}

(If Yes) Is the participant currently taking medication for diabetes?

☐ Yes  
☐ No

{[diabetes\_meds] yesno}

{Branching logic (show if): [diabetes] = '1'}

(If Yes) Is the participant taking insulin?

☐ Yes  
☐ No

{[insulin] yesno}

{Branching logic (show if): [diabetes] = '1'}

At what age was the participant's diabetes first treated?

{[diab\_tx\_age] text integer}

(Provide age in years.)

{Branching logic (show if): [diabetes] = '1'}

Was insulin the participant's first diabetes medicine?

☐ Yes  
☐ No

{[insulin\_first] yesno}

{Branching logic (show if): [diabetes] = '1'}

Has anyone in the participant's family been diagnosed with diabetes (any type)?

☐ Yes  
☐ No

{[diabetes\_fam] yesno}

Diabetes History - Core Instrument Version 2.0 Released September 2022

H3ABioNet & H3Africa Phenotype Standards

# Asthma Core

Collection date for asthma information:

{[asthma\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## ASTHMA

Has a clinician or a doctor diagnosed the participant as an asthmatic?  
{[asthmatic] yesno}

☐ Yes  
☐ No

(If Yes) Is the participant on any chronic medication for management / treatment of asthma?  
{[asthma\_tx] yesno}  
{Branching logic (show if): [asthmatic]='1'}

☐ Yes  
☐ No

(If No) Does the participant experience any of the following signs and symptoms:  
{Branching logic (show if): [asthmatic]='0'}

Frequent coughing spells during play, at night or while laughing or crying?  
{[coughspells] yesno}  
{Branching logic (show if): [asthmatic]='0'}

☐ Yes  
☐ No

A chronic cough in the past 3 months or more?  
{[chroniccough] yesno}  
{Branching logic (show if): [asthmatic]='0'}

☐ Yes  
☐ No

Appear listless / unusually low in energy after physical play?  
{[listless] yesno}  
{Branching logic (show if): [asthmatic]='0'}

☐ Yes  
☐ No

Rapid breathing sessions from time to time?  
{[rapidbreath] yesno}  
{Branching logic (show if): [asthmatic]='0'}

☐ Yes  
☐ No

Complaining of a tight chest or sore chest?  
{[tightchest] yesno}  
{Branching logic (show if): [asthmatic]='0'}

☐ Yes  
☐ No

Complain of difficulty breathing OR (if infant) working harder to breathe (nostrils flaring, skin is sucking in around and between ribs or above the sternum, or exaggerated belly movement)?  
{[diffbreathe] yesno}  
{Branching logic (show if): [asthmatic]='0'}

☐ Yes  
☐ No

Making a whistling sound when breathing in or out?  
{[whistlebreath] yesno}  
{Branching logic (show if): [asthmatic]='0'}

☐ Yes  
☐ No

Difficulty eating OR (if infant) difficult sucking?  
{[difficultfeeding] yesno}  
{Branching logic (show if): [asthmatic]='0'}

☐ Yes  
☐ No

---

Has the participant ever required emergency medical  
care or hospitalisation for difficulty breathing?  
{[emerdiffbreath] yesno}

☐ Yes  
☐ No

---

Asthma - Core Instrument Version 2.0 Released September 2022  
H3ABioNet & H3Africa Phenotype Standards

# Dyslipidemia Core

Collection date for dyslipidemia information:  
 {[dyslip\_collectdate] text date\_dmy}

\_\_\_\_\_  
 (DD-MM-YYYY)

## DYSLIPIDEMIA

Has a doctor or healthcare worker ever told the participant that he/she has dyslipidemia?  
 {[dyslipidemia] yesno}

- ☐ Yes  
☐ No

(If Yes) At what age was the participant first told this?

{[dyslip\_age] text integer}

{Branching logic (show if): [dyslipidemia] = '1'}

\_\_\_\_\_  
 (Provide age in years.)

Was it confirmed with a laboratory test?

{[dyslip\_labtest] yesno}

{Branching logic (show if): [dyslipidemia] = '1'}

- ☐ Yes  
☐ No

Has the participant ever taken medication for dyslipidemia?

{[dyslip\_meds] radio}

{Branching logic (show if): [dyslipidemia] = '1'}

- ☐ {1} Yes now  
☐ {2} Yes not now  
☐ {0} No

(If Yes) At what age did the participant start taking medication for dyslipidemia?

{[dyslip\_medage] text integer}

{Branching logic (show if): [dyslipidemia] = '1' and  
 [dyslip\_meds] = '1'}

\_\_\_\_\_  
 (Provide age in years.)

Dyslipidemia - Core Instrument Version 2.0 Released September 2022  
 H3ABioNet & H3Africa Phenotype Standards

# Cancer - Core

Collection date for cancer core information:  
 {[cancer\_collectdate] text date\_dmy}

\_\_\_\_\_  
 (DD-MM-YYYY)

## CANCER

Has the participant ever had cancer?  
 {[cancer] yesno}

☐ Yes  
☐ No

(If Yes) Specify the number of unrelated cancer  
 diagnoses:

{[cancer\_num] text integer}

\_\_\_\_\_  
 (Number of unrelated cancer diagnoses.)

{Branching logic (show if): [cancer] = '1'}

(If Yes) Specify the cancer type/s:

{[cancer\_types] checkbox}

{Branching logic (show if): [cancer] = '1'}

- ☐ {1} Bone
- ☐ {2} Brain
- ☐ {3} Breast
- ☐ {4} Cervix
- ☐ {5} Colon/Rectum
- ☐ {6} Endometrium
- ☐ {7} Ovary
- ☐ {8} Lung
- ☐ {9} Lymphatic System
- ☐ {10} Ovary
- ☐ {11} Pancreas
- ☐ {12} Prostate
- ☐ {13} Skin
- ☐ {14} Thyroid
- ☐ {777} Other

(If Other) Specify the cancer type:

{[cancer\_types\_other] text}

{Branching logic (show if): [cancer\_types] = '777'}

\_\_\_\_\_

Cancer - Core Instrument Version 2.0 Released

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H3ABioNet & H3Africa Phenotype Standards

{[cancer\_core\_version] text}

\_\_\_\_\_

# Kidney Disease Core

Collection date for kidney information:  
 {[kidney\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## KIDNEY DISEASE HISTORY

Has a doctor or healthcare worker ever told the participant that he/she had kidney failure?  
 {[kidneyfail] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know

How old was the participant when this was first noted?

{[kidneyfail\_age] text integer}  
 {Branching logic (show if): [kidneyfail] = '1'}

(Provide age in years.)

(If Yes) Are one or both kidneys working well now?  
 {[kidneyswork] radio}  
 {Branching logic (show if): [kidneyfail] = '1'}

- ☐ {1} Yes, both kidneys working well  
☐ {2} Yes, one kidney working well  
☐ {0} No, neither kidneys working well  
☐ {-992} Don't know

Has the participant previously been on renal dialysis?  
 {[renal dialysis\_past] radio}  
 {Branching logic (show if): [kidneyfail] = '1'}

- ☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know

Has the participant ever had a kidney transplant?  
 {[kidneytransplant] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know

Has anyone in the participant's family either had kidney disease or died from it?  
 {[kidneyfamhist] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know

(If Yes) Is the type of kidney disease known?  
 {[kidneyfamtype] yesno}  
 {Branching logic (show if): [kidneyfamhist] = '1'}

- ☐ Yes  
☐ No

(If Yes) Specify kidney disease:  
 {[kidneyfamspec] text}  
 {Branching logic (show if): [kidneyfamhist] = '1'}

Has a doctor ever told the participant that his/her kidneys have compromised function?  
 {[kidneycomp] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know

Has a doctor or healthcare worker told the participant that he/she has a kidney disease?  
 {[kidneydisease] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know

Kidney Disease - Core Instrument Version 2.0 Released September 2022  
 H3ABioNet & H3Africa Phenotype Standards



# Stroke History Core

Collection date for stroke information:  
 {[strokehist\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## STROKE HISTORY

Was the participant ever told by a doctor or healthcare worker he/she had a stroke?  
 {[stroke] yesno}

- ☐ Yes  
☐ No

Was the participant ever told by a doctor or healthcare worker he/she had a TIA, ministroke, or transient ischemic attack?  
 {[tia] yesno}

- ☐ Yes  
☐ No

If yes, how long did the weakness last?  
 {[tia\_lasted] radio}  
 {Branching logic (show if): [tia]='1'}

- ☐ {1} A few minutes  
☐ {2} Less than 15 minutes  
☐ {3} Less than an hour  
☐ {4} A few hours  
☐ {5} More than a day

Has the participant ever had a sudden painless weakness on one side of his/her body?  
 {[weak\_oneside] yesno}

- ☐ Yes  
☐ No

Has the participant ever had a sudden numbness or a dead feeling on one side of his/her body?  
 {[numb\_oneside] yesno}

- ☐ Yes  
☐ No

Has the participant ever had a sudden painless loss of vision in one or both eyes?  
 {[lost\_vision] yesno}

- ☐ Yes  
☐ No

Has the participant ever suddenly lost one half of his/her vision?  
 {[half\_vision] yesno}

- ☐ Yes  
☐ No

Has the participant ever suddenly lost the ability to understand what people are saying?  
 {[lost\_understand] yesno}

- ☐ Yes  
☐ No

Has the participant ever suddenly lost the ability to express himself/herself verbally or in writing?  
 {[lost\_verbal] yesno}

- ☐ Yes  
☐ No

Stroke - Core Instrument Version 2.0 Released September 2022  
 H3ABioNet & H3Africa Phenotype Standards

Collection date for cardiovascular disease information:

{[cvd\_core\_collectdate] text date\_dmy}

(DD-MM-YYYY)

{Branching logic (show if): [agecalc]>18}

## ARRYTHMIA

Has a doctor or healthcare worker ever told the participant they have a heart rhythm problem called atrial fibrillation?

☐ Yes

☐ No

{[atrialfib] yesno}

{Branching logic (show if): [agecalc]>18}

(If Yes) Provide date of diagnosis:

{[atrialfib\_date] text date\_dmy}

{Branching logic (show if): [atrialfib] = '1' and [agecalc]>18}

(DD-MM-YYYY)

Did the participant go to a hospital/clinic or see a doctor regarding the matter?

☐ Yes

☐ No

{[atrialfib\_hosp] yesno}

{Branching logic (show if): [atrialfib] = '1' and [agecalc]>18}

Has the participant had a permanent pacemaker inserted?

☐ Yes

☐ No

{[pacemaker] yesno}

{Branching logic (show if): [agecalc]>18}

(If Yes) What year was the participant's pacemaker inserted?

{[pacemaker\_yr] text integer}

(YYYY)

{Branching logic (show if): [pacemaker] = '1' and [agecalc]>18}

## Is the participant taking any of the cardiovascular medications below:

	{1} Yes now	{2} Yes not now	{0} No
Anticoagulants (e.g. Coumadin; Warfarin; etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
{[anticoagul] radio}			
{Branching logic (show if): [agecalc]>18}			
Antiarrhythmics (e.g. Quinidine; Procainamide; Norpace; Disopyramide; etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
{[antiarrhthy] radio}			
{Branching logic (show if): [agecalc]>18}			

## RHEUMATIC FEVER/RHEUMATIC HEART DISEASE

Has a doctor or healthcare worker ever told the participant they have rheumatic fever (inflammatory rheumatism)?

☐ Yes  
☐ No

{[rheumfever] yesno}

{Branching logic (show if): [agecalc]>18}

(If Yes) Has the participant had it in the past 12 months?

☐ Yes  
☐ No

{[rheumpastyr] yesno}

{Branching logic (show if): [rheumfever] = '1' and [agecalc]>18}

Is the participant taking any medication for it?

☐ Yes  
☐ No

{[rheummeds] yesno}

{Branching logic (show if): [rheumfever] = '1' and [agecalc]>18}

(If Yes) Specify the medication being used:

{[rheumspecifics] text}

{Branching logic (show if): [rheummeds] = '1' and [agecalc]>18}

Cardiovascular Disease - Core Instrument Version 2.0 Released September 2022

H3ABioNet & H3Africa Phenotype Standards

---

Collection date for HIV information:

{[hiv\_collectdate] text date\_dmy}

\_\_\_\_\_  
(DD-MM-YYYY)

### HIV TESTING

Has the participant ever been tested for HIV?

{[hiv\_tested] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-995} Refused

When did the participant have his/her most recent HIV test?

{[hiv\_testdate] text date\_dmy}

{Branching logic (show if): [hiv\_tested] = '1'}

\_\_\_\_\_  
(DD-MM-YYYY)

What was the result of the participant's most recent HIV test?

{[hiv\_result] radio}

{Branching logic (show if): [hiv\_tested] = '1'}

- ☐ {1} Positive  
☐ {2} Negative  
☐ {3} Indeterminate  
☐ {4} Never obtained results  
☐ {-992} Don't know  
☐ {-995} Refused to answer

Is the participant currently on HIV treatment?

{[hiv\_tx] yesno}

{Branching logic (show if): [hiv\_result] = '2'}

- ☐ Yes  
☐ No

(If No) Has the participant recently (past 6 months) been on antiretroviral (ARV) treatment for HIV?

{[hiv\_arv\_6mth] yesno}

{Branching logic (show if): [hiv\_tx] = '0'}

- ☐ Yes  
☐ No

---

HIV - Core Instrument Version 2.0 Released September 2022  
H3ABioNet & H3Africa Phenotype Standards

# Infectious Diseases Core

Collection date for core infectious disease information:

{[infectdiscore\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## SELF-REPORTED INFECTIOUS DISEASE HISTORY

Has a doctor or healthworker ever told the participant that they have tuberculosis (TB)?  
{[tb] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know  
☐ {-995} Refused

How old was the participant when diagnosed with TB?  
{[tb\_age] text integer}  
{Branching logic (show if): [tb] = '1'}

(Provide age in years.)

Has a doctor or healthworker ever told the participant that they have malaria?  
{[malaria] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know  
☐ {-995} Refused

How old was the participant when diagnosed with malaria?  
{[malaria\_age] text integer}  
{Branching logic (show if): [malaria] = '1'}

(Provide age in years.)

Has a doctor or healthworker ever told the participant that they have sleeping sickness?  
{[sleepsick] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know  
☐ {-995} Refused

How old was the participant when diagnosed with sleeping sickness?  
{[sleepsick\_age] text integer}  
{Branching logic (show if): [sleepsick] = '1'}

(Provide age in years.)

Has a doctor or healthworker ever told the participant that they have hepatitis A?  
{[hep\_a] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know  
☐ {-995} Refused

How old was the participant when diagnosed with hepatitis A?  
{[hep\_a\_age] text integer}  
{Branching logic (show if): [hep\_a] = '1'}

(Provide age in years.)

Has a doctor or healthworker ever told the participant that they have hepatitis B?  
{[hep\_b] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know  
☐ {-995} Refused

How old was the participant when diagnosed with hepatitis B?  
{[hep\_b\_age] text integer}  
{Branching logic (show if): [hep\_b] = '1'}

(Provide age in years.)

---

Has a doctor or healthworker ever told the participant that they have hepatitis C?  
 {[hep\_c] radio}

☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know  
☐ {-995} Refused

---

How old was the participant when diagnosed with hepatitis C?  
 {[hep\_c\_age] text integer}  
 {Branching logic (show if): [hep\_c] = '1'}

\_\_\_\_\_  
 (Provide age in years.)

---

Has a doctor or healthworker ever told the participant that they have measles?  
 {[measles] radio}

☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know  
☐ {-995} Refused

---

How old was the participant when diagnosed with measles?  
 {[measles\_age] text integer}  
 {Branching logic (show if): [measles]='1'}

\_\_\_\_\_  
 (Provide age in years.)

---

Has a doctor or healthworker ever told the participant that they have chickenpox?  
 {[chickpox] radio}

☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know  
☐ {-995} Refused

---

How old was the participant when diagnosed with chickenpox?  
 {[chickpox\_age] text integer}  
 {Branching logic (show if): [chickpox]='1'}

\_\_\_\_\_  
 (Provide age in years.)

---

Has a doctor or healthworker ever told the participant that they have meningitis?  
 {[meningitis] radio}

☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know  
☐ {-995} Refused

---

How old was the participant when diagnosed with meningitis?  
 {[meningitis\_age] text integer}  
 {Branching logic (show if): [meningitis]='1'}

\_\_\_\_\_  
 (Provide age in years.)

---

Has a doctor or healthworker ever told the participant that they have COVID-19?  
 {[covid19] radio}

☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know  
☐ {-995} Refused

---

How old was the participant when first diagnosed with COVID-19?  
 {[covid19\_age] text integer}  
 {Branching logic (show if): [meningitis]='1'}

\_\_\_\_\_  
 (Provide age in years.)

---

Infectious Diseases - Core Instrument Version 2.0 Released September 2022  
 H3ABioNet & H3Africa Phenotype Standards

# Malaria Signs and Symptoms

280) Collection date of malaria signs and symptoms:  
 {[malaria\_signs\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## MALARIA SIGNS AND SYMPTOMS

281) Abdominal Pain  
 {[std\_abdominal\_pain] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

282) Chills:  
 {[chills] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

283) Cough:  
 {[cough] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

284) (If Cough) Type of cough:  
 {[type\_of\_cough] radio}

- ☐ {1} Dry Cough  
☐ {2} Wet Cough (cough with mucous)

285) Diarrhea:  
 {[diarrhea] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

286) Fatigue:  
 {[fatigue] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

287) Fever:  
 {[fever] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

288) Headache:  
 {[headache] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

289) Jaundice:  
 {[jaundice] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

290) Malaise:  
 {[malaise] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

- 
- 291) Muscle pain:  
{[muscle\_pain] radio}
- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know
- 
- 292) Myalgia (joint pain):  
{[myalgia\_joint\_pain] radio}
- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know
- 
- 293) Nausea/vomiting:  
{[nausea\_vomiting] radio}
- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know
- 
- 294) Tachypnoea (fast breathing) (age appropriate):  
{[tachypnoea] radio}
- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know
- 
- 295) Tachycardia (age appropriate):  
{[tachycardia] radio}
- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know
- 
- 296) Other symptom/s:  
{[other\_malaria\_symps] radio}
- ☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know
- 
- 297) (If Other) Specify symptom/s:  
{[other\_malaria\_symptoms] textarea}
- 

Malaria Signs and Symptoms - Instrument Version 2.0 Released September 2022  
H3ABioNet & H3Africa Phenotype Standards



# Malaria Exposure and Treatment

Collection date for malaria information:

{[malaria\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## MALARIA EXPOSURE

Does the participant live in a malaria endemic region?

☐ Yes

☐ No

{[malaria\_region] yesno}

How often does the participant use a mosquito net or insecticide?

☐ {1} Consistently

☐ {2} Intermittently

☐ {3} Rarely

{[malaria\_net\_insecticide] radio}

{Branching logic (show if): [malaria]='1'}

## MALARIA CONTROL

Has the participant previously taken malaria chemoprophylaxis?

☐ Yes

☐ No

{[malaria\_prophylaxis] yesno}

(If Yes) What type of malaria chemoprophylaxis was taken?

{[malaria\_prophylaxis\_type] checkbox}

{Branching logic (show if): [malaria\_prophylaxis]='1'}

☐ {1} Atovaquone-Proguanil

☐ {2} Chloroquine

☐ {3} Doxycycline

☐ {4} Mefloquine

☐ {5} Primaquine

☐ {777} Other

(If Other) Specify other malaria chemoprophylaxis taken:

{[malaria\_prophylaxis\_other] text}

{Branching logic (show if):

[malaria\_prophylaxis\_type]='777'}

## MALARIA TREATMENT

Has the participant previously taken treatment for malaria?

☐ Yes

☐ No

{[malaria\_tx\_previous] yesno}

{Branching logic (show if): [malaria]='1'}

Is the participant currently on malaria treatment?

☐ Yes

☐ No

{[malaria\_tx\_current] yesno}

{Branching logic (show if): [malaria]='1'}

**SICKLE CELL DISEASE**

Is the participant a Sickle Cell Disease carrier?  
{[sickle\_cell\_carrier] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know

Has the participant been diagnosed with Sickle Cell  
Disease?  
{[sickle\_cell\_diag] yesno}

- ☐ Yes  
☐ No

Malaria Exposure and Treatment - Instrument Version 2.0 Released September 2022  
H3ABioNet & H3Africa Phenotype Standards

# Malaria Testing

Specimen collection date for malaria test:  
{[malaria\_spec\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## MALARIA TESTING

Malaria Test Type:  
{[malaria\_test\_type] radio}

- ☐ {1} Smear  
☐ {2} PCR  
☐ {3} RDT

Malaria Test Result:  
{[malaria\_test\_result] radio}

- ☐ {1} Falciparum  
☐ {2} Malariae  
☐ {3} Ovale  
☐ {4} Vivax  
☐ {777} Other species  
☐ {6} Negative  
☐ {7} Not Determined

(If Other Species) Specify other malaria species:  
{[malaria\_test\_other] text}  
{Branching logic (show if):  
[malaria\_test\_result]='777'}

Malaria Testing - Instrument Version 2.0 Released September 2022  
H3ABioNet & H3Africa Phenotype Standards

# Trypanosomiasis Signs and Symptoms

312) Collection date of sleeping sickness signs and symptoms:

{[tryp\_signs\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## TRYPANOSOMIASIS SIGNS AND SYMPTOMS

313) Confusion:

{[confusion] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

314) Fatigue:

{[fatigue\_2] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

315) Fever:

{[fever\_2] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

316) Headache:

{[headache\_2] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

317) Insomnia:

{[insomnia] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

318) Irritability:

{[irritability] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

319) Muscle pain:

{[muscle\_pain\_2] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

320) Myalgia (joint pain):

{[myalgia\_joint\_pain\_2] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

321) Sleepiness:

{[sleepiness] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

---

322) Sore/Swollen Lymph Nodes:  
{[sore\_swollen\_lymph\_nodes] radio}

☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

---

323) Rash:  
{[rash] radio}

☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

---

324) (If Rash) Type of rash:  
{[rash\_type] radio}

☐ {1} Purpura  
☐ {2} Urticaria  
☐ {3} Erythema  
☐ {4} Chilblains  
☐ {777} Other

---

325) (If Other) Specify type of rash:  
{[rash\_type\_other] text}

\_\_\_\_\_

---

326) Other symptom/s:  
{[other\_symptoms] radio}

☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know

---

327) (If Other) Specify symptom/s:  
{[other\_symptoms\_specify] textarea}

\_\_\_\_\_

---

Sleeping Sickness Signs and Symptoms - Instrument Version 2.0 Released September 2022  
H3ABioNet & H3Africa Phenotype Standards

# Trypanosomiasis / Sleeping Sickness

328) Specimen collection date for trypanosomiasis test:  
{[tryp\_spec\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## TRYPANOSOMIASIS / SLEEPING SICKNESS

329) Trypanosomiasis Test Type:  
{[test\_type] radio}

- ☐ {1} Card agglutination test for trypanosomiasis (CATT)
- ☐ {2} RDT
- ☐ {3} Lymph Examination
- ☐ {4} HCT (Woo Test)
- ☐ {5} PCR
- ☐ {6} MSC/Double Centrifugation

330) Trypanosomiasis Test Result:  
{[tryp\_test\_result] radio}

- ☐ {1} Positive
- ☐ {0} Negative

Trypanosomiasis Testing - Instrument Version 2.0 Released September 2022  
H3ABioNet & H3Africa Phenotype Standards

# Tuberculosis Signs and Symptoms

331) Collection date of tuberculosis signs and symptoms:  
 {[tb\_signs\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## TUBERCULOSIS SIGNS AND SYMPTOMS

332) Chest pain or pressure:  
 {[chest\_pain\_pressure] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

333) Chills:  
 {[chills\_2] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

334) Cough:  
 {[cough\_2] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

335) (If Cough) Type of cough:  
 {[type\_of\_cough\_2] radio}

- ☐ {1} Dry Cough  
☐ {2} Wet Cough (cough with mucous)

336) Fatigue:  
 {[fatigue\_3] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

337) Fever:  
 {[fever\_3] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

338) Loss of appetite:  
 {[loss\_of\_appetite] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

339) Night sweats:  
 {[night\_sweats] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

340) Unintentional weight loss:  
 {[weight\_loss] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

341) Other symptom/s:  
 {[other\_symptoms\_3] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know

---

342) (If Other) Specify symptom/s:  
{[other\_symptoms\_specify\_3] textarea}

---

TB Signs and Symptoms - Instrument Version 2.0 Released September 2022  
H3ABioNet & H3Africa Phenotype Standards



# Tuberculosis History

Collection date for tuberculosis history:  
 {[tb\_hist\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## TUBERCULOSIS HISTORY

Has the participant ever been vaccinated for TB?  
 {[tb\_vaccinated] yesno}

- ☐ Yes  
☐ No

Has the participant ever been in contact with someone  
 who was currently diagnosed with TB?  
 {[tb\_contact] yesno}

- ☐ Yes  
☐ No

(If Yes) Indicate the type of contact:  
 {[tb\_contact\_type] radio}  
 {Branching logic (show if): [tb\_contact]='1'}

- ☐ {1} Household  
☐ {2} Family/ Partner/ Friend outside the household  
☐ {3} Place of work/ study/ prayer/ recreation

When did the contact occur?  
 {[tb\_contact\_when] radio}  
 {Branching logic (show if): [tb\_contact]='1'}

- ☐ {1} Current  
☐ {2} Within the last 6 months  
☐ {3} Within the last 6-24 months  
☐ {4} Beyond the last 24 months

Has the participant previously been diagnosed with TB?  
 {[tb\_prev\_diag] yesno}

- ☐ Yes  
☐ No

(If Yes) Number of previous TB episodes:  
 {[tb\_prev\_episodes] text integer}  
 {Branching logic (show if): [tb\_prev\_diag]='1'}

(If Yes) Site/s of previous TB episodes:  
 {[tb\_prev\_sites] radio}  
 {Branching logic (show if): [tb\_prev\_diag]='1'}

- ☐ {1} Pulmonary  
☐ {2} Extrapulmonary TB  
☐ {3} Pulmonary and extrapulmonary TB

(If Extrapulmonary) Specify extrapulmonary sites  
 involved:  
 {[tb\_extrapul\_sites] checkbox}  
 {Branching logic (show if): [tb\_prev\_sites]='2' or  
 [tb\_prev\_sites]='3'}

- ☐ {1} Abdominal  
☐ {2} Bone/joint  
☐ {3} CNS Tuberculoma/s  
☐ {4} Disseminated  
☐ {5} Meningitis  
☐ {6} Miliary TB  
☐ {7} Pericardial effusion  
☐ {8} Peripheral nodes  
☐ {9} Pleural effusion  
☐ {10} Spinal  
☐ {777} Other

(If Other) Specify extrapulmonary sites:  
 {[tb\_extrapul\_sites\_other] text}  
 {Branching logic (show if):  
 [tb\_extrapul\_sites(777)]='1'}

Were any of these previous episodes rifampicin-resistant TB? ☐ Yes  
☐ No  
 {[tb\_rif\_resistant] yesno}  
 {Branching logic (show if): [tb\_prev\_diag]='1'}

Were any of these previous episodes multidrug resistant TB (MDR TB)? ☐ Yes  
☐ No  
 {[tb\_mdr] yesno}  
 {Branching logic (show if): [tb\_prev\_diag]='1'}

Were any of these previous episodes extensively drug resistant TB (XDR TB)? ☐ Yes  
☐ No  
 {[tb\_xdr] yesno}  
 {Branching logic (show if): [tb\_prev\_diag]='1'}

Has the participant ever previously taken preventive medication for TB? ☐ Yes  
☐ No  
 {[tb\_prevent\_rx] yesno}

Duration of preventive medication (In months):  
 {[tb\_prevent\_rxduration] text integer} \_\_\_\_\_  
 (Provide number of months.)

Has the participant ever taken medication for a previous latent TB infection (LTBI)? ☐ Yes  
☐ No  
 {[tb\_rx\_latent\_infect] yesno}  
 {Branching logic (show if): [tb\_prev\_diag]='1'}

Has the participant ever taken medication for a previous active TB infection? ☐ Yes  
☐ No  
 {[tb\_rx\_ever] yesno}  
 {Branching logic (show if): [tb\_prev\_diag]='1'}

LAST TB EPISODE MEDICATION  
 {Branching logic (show if): [tb\_rx\_latent\_infect]='1' or [tb\_rx\_ever]='1'}

Last TB (latent or active) episode medication: ☐ {1} Ethambutol (EMB)  
☐ {2} Isoniazid (INH)  
☐ {3} Pyrazinamide (PZA)  
☐ {4} Rifampin (RIF)  
☐ {5} Fluoroquinolone (FQ)  
☐ {6} Amikacin (AMK)  
☐ {7} Kanamycin (KAN)  
☐ {8} Capreomycin (CM)  
☐ {9} Fixed combination of INH  
☐ {10} Fixed combination of INH, RIF and PZA  
☐ {777} Other  
 {[prev\_tb\_rx] radio}  
 {Branching logic (show if): [tb\_rx\_latent\_infect]='1' or [tb\_rx\_ever]='1'}

(If Other) Specify other medication for last TB episode: \_\_\_\_\_  
 {[prev\_tb\_rx\_other] text}  
 {Branching logic (show if): [prev\_tb\_rx]='777'}

---

Did the participant complete TB medication for the last TB episode?

- ☐ Yes  
☐ No

{[prev\_tb\_rx\_completed] yesno}  
{Branching logic (show if): [tb\_rx\_latent\_infect]='1'  
or [tb\_rx\_ever]='1'}

---

(If Yes) Date TB medication was completed for last TB episode:

{[prev\_tb\_rx\_stopdate] text date\_dmy}

\_\_\_\_\_  
(DD-MM-YYYY)

{Branching logic (show if):  
[prev\_tb\_rx\_completed]='1'}

---

Outcome of last TB episode:

{[prev\_tb] radio}

{Branching logic (show if): [tb\_rx\_latent\_infect]='1'  
or [tb\_rx\_ever]='1'}

- ☐ {1} Defaulted  
☐ {2} Medication failed  
☐ {3} Recovered
- 

Tuberculosis History - Instrument Version 2.0 Released September 2022  
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# Tuberculosis Testing

TB Specimen Collection Date:

{[tb\_test\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## TUBERCULOSIS TESTING

TB Tests requested:

{[tb\_tests\_done] checkbox}

- ☐ {1} Smear  
☐ {2} Culture  
☐ {3} GeneXpert  
☐ {4} LPA

Smear Result:

{[tb\_smear\_results] radio}

{Branching logic (show if): [tb\_tests\_done(1)]='1'}

- ☐ {0} Negative  
☐ {4} Scanty positive  
☐ {1} 1+ smear positive  
☐ {2} 2+ smear positive  
☐ {3} 3+ smear positive

Culture Result:

{[tb\_culture\_results] radio}

{Branching logic (show if): [tb\_tests\_done(2)]='1'}

- ☐ {1} MTB Detected  
☐ {2} MTB Not Detected  
☐ {3} Invalid  
☐ {4} Contaminated  
☐ {0} No result

## TB Resistance Result:

{1} Resistant

{2} Susceptible

{3} Indeterminate

{0} Not Done

Amikacin (AMK):

{[tb\_resist\_amk] radio}

{Branching logic (show if):

[tb\_tests\_done(2)]='1' or

[tb\_tests\_done(4)]='1'}

☐

☐

☐

☐

Capreomycin (Cm):

{[tb\_resist\_cm] radio}

{Branching logic (show if):

[tb\_tests\_done(2)]='1' or

[tb\_tests\_done(4)]='1'}

☐

☐

☐

☐

Ethambutol (EMB):

{[tb\_resist\_emb] radio}

{Branching logic (show if):

[tb\_tests\_done(2)]='1' or

[tb\_tests\_done(4)]='1'}

☐

☐

☐

☐

Fluoroquinolone (FQ):

{[tb\_resist\_fq] radio}

{Branching logic (show if):

[tb\_tests\_done(2)]='1' or

[tb\_tests\_done(4)]='1'}

☐

☐

☐

☐

Isoniazid (INH): ☐ ☐ ☐ ☐

{[tb\_resist\_inh] radio}  
 {Branching logic (show if):  
 [tb\_tests\_done(2)]='1' or  
 [tb\_tests\_done(4)]='1'}

Kanamycin (KAN): ☐ ☐ ☐ ☐

{[tb\_resist\_kan] radio}  
 {Branching logic (show if):  
 [tb\_tests\_done(2)]='1' or  
 [tb\_tests\_done(4)]='1'}

Pyrazinamide (PZA): ☐ ☐ ☐ ☐

{[tb\_resist\_pza] radio}  
 {Branching logic (show if):  
 [tb\_tests\_done(2)]='1' or  
 [tb\_tests\_done(4)]='1'}

Rifampin (RIF): ☐ ☐ ☐ ☐

{[tb\_resist\_rif] radio}  
 {Branching logic (show if):  
 [tb\_tests\_done(2)]='1' or  
 [tb\_tests\_done(4)]='1'}

---

GeneXpert Result: ☐ {1} MTB detected  
 {[tb\_genexpert\_results] radio} ☐ {2} MTB not detected  
 {Branching logic (show if): [tb\_tests\_done(3)]='1'} ☐ {3} Indeterminate

---

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# Current Tuberculosis

Collection date for current tuberculosis information:

{[tb\_tb\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## CURRENT TUBERCULOSIS

Does the participant currently have TB?

{[tb\_current] yesno}

☐ Yes

☐ No

Does the participant have active or latent TB?

{[tb\_curr\_type] radio}

{Branching logic (show if): [tb\_current]='1'}

☐ {1} Active

☐ {2} Latent

Date participant clinically diagnosed with TB:

{[tb\_curr\_diagdate] text date\_dmy}

(DD-MM-YYYY)

Site/s of current TB Disease:

{[tb\_curr\_site] radio}

{Branching logic (show if): [tb\_current]='1'}

☐ {1} Pulmonary

☐ {2} Extrapulmonary TB

☐ {3} Pulmonary and extrapulmonary TB

(If Extrapulmonary TB) Specify extrapulmonary sites involved:

{[tb\_curr\_extrapul\_site] checkbox}

{Branching logic (show if): [tb\_curr\_site]='2' or

[tb\_curr\_site]='3'}

☐ {1} Abdominal

☐ {2} Bone/joint

☐ {3} CNS Tuberculoma/s

☐ {4} Disseminated

☐ {5} Meningitis

☐ {6} Miliary TB

☐ {7} Pericardial effusion

☐ {8} Peripheral nodes

☐ {9} Pleural effusion

☐ {10} Spinal

☐ {777} Other

(If Other) Specify other extrapulmonary site:

{[tb\_extrapul\_other] text}

{Branching logic (show if):

[tb\_curr\_extrapul\_site(777)]='1'}

Is the participant currently taking preventive medication for TB?

{[tb\_curr\_rx\_prevent] yesno}

{Branching logic (show if): [tb\_current]='0'}

☐ Yes

☐ No

Is the participant currently on medication for TB (latent or active)?

{[tb\_curr\_rx] yesno}

{Branching logic (show if): [tb\_current]='1'}

☐ Yes

☐ No

---

(If Yes) Specify medication:

{[tb\_curr\_rx\_type] radio}

{Branching logic (show if): [tb\_curr\_rx]='1'}

- ☐ {1} Ethambutol (EMB)
- ☐ {2} Isoniazid (INH)
- ☐ {3} Pyrazinamide (PZA)
- ☐ {4} Rifampin (RIF)
- ☐ {5} Fluoroquinolone (FQ)
- ☐ {6} Amikacin (AMK)
- ☐ {7} Kanamycin (KAN)
- ☐ {8} Capreomycin (CM)
- ☐ {9} Fixed combination of INH
- ☐ {10} Fixed combination of INH, RIF and PZA
- ☐ {777} Other

---

(If Other) Specify other TB medication:

{[tb\_curr\_rx\_other] text}

{Branching logic (show if): [tb\_curr\_rx\_type]='777'}

---

---

Medication Start Date:

{[tb\_curr\_rx\_startdate] text date\_dmy}

{Branching logic (show if): [tb\_curr\_rx]='1'}

---

(DD-MM-YYYY)

---

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390) Collection date of STD signs and symptoms:  
 {[std\_signs\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## STD SIGNS AND SYMPTOMS

391) Abdominal pain:  
 {[abdominal\_pain] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

392) Bumps (Genital/Oral/Rectal)  
 {[bumps\_genital\_oral\_rectal] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

393) Fatigue:  
 {[fatigue\_1] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

394) Fever:  
 {[fever\_1] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

395) Genital discomfort/itching:  
 {[genital\_itching] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

396) Headache:  
 {[headache\_1] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

397) Jaundice:  
 {[jaundice\_1] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

398) Loss of appetite:  
 {[loss\_of\_appetite\_1] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

399) Muscle pain:  
 {[muscle\_pain\_1] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know



- 
- 400) Nausea/vomiting:  
{[nausea\_vomiting\_1] radio}
- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know
- 
- 401) Pain during sexual intercourse  
{[std\_pain\_during\_sex] radio}
- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know
- 
- 402) Painful Urination  
{[painful\_urination] radio}
- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know
- 
- 403) Swollen lymph nodes:  
{[swollen\_lymph\_nodes] radio}
- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know
- 
- 404) Unusual Discharge (Penal/Vaginal)  
{[std\_unusual\_discharge] radio}
- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know
- 
- 405) Other symptom/s:  
{[other\_symptoms\_1] radio}
- ☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know
- 
- 406) (If Other) Specify symptom/s:  
{[other\_symptoms\_specify\_1] textarea}
- 

STD Signs and Symptoms - Instrument Version 2.0 Released September 2022  
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# Sexually Transmitted Diseases

Collection date for sexually transmitted diseases information:

{[std\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## SEXUALLY TRANSMITTED DISEASES

Has the participant ever been diagnosed with a sexually transmitted disease (STD)(excluding HIV/AIDS)?

{[std\_diagnosed] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-995} Refused

(If Yes) Specify diagnosed STD/s:

{[std\_type] checkbox}

{Branching logic (show if): [std\_diagnosed]='1'}

- ☐ {1} Chlamydia  
☐ {2} Gonorrhoea  
☐ {3} Herpes Simplex  
☐ {4} Human papillomavirus (HPV)  
☐ {5} Syphilis  
☐ {777} Other

(If Other) Specify other diagnosed STD/s:

{[std\_other] text}

{Branching logic (show if): [std\_type(777)]='1'}

Sexually Transmitted Diseases - Instrument Version 2.0 Released September 2022

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# HIV Signs and Symptoms

411) Collection date of HIV signs and symptoms:  
 {[hiv\_signs\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## HIV SIGNS AND SYMPTOMS

412) Chills:  
 {[chills\_3] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

413) Cough:  
 {[cough\_3] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

414) (If Cough) Type of cough:  
 {[type\_of\_cough\_3] radio}

- ☐ {1} Dry Cough  
☐ {2} Wet Cough (cough with mucous)

415) Diarrhea:  
 {[diarrhea\_2] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

416) Fatigue:  
 {[fatigue\_4] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

417) Fever:  
 {[fever\_4] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

418) Muscle pain:  
 {[muscle\_pain\_3] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

419) Myalgia (joint pain):  
 {[myalgia\_joint\_pain\_3] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

420) Night sweats:  
 {[night\_sweats\_2] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

421) Pneumonia:  
 {[pneumonia] radio}

- ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

422) Rash:  
 {[rash\_2] radio}
 ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

423) (If Rash) Type of rash:  
 {[rash\_type\_2] radio}
 ☐ {1} Purpura  
☐ {2} Urticaria  
☐ {3} Erythema  
☐ {4} Chilblains  
☐ {777} Other

424) (If Other) Specify type of rash:  
 {[rash\_other\_2] text}

425) Sore throat:  
 {[sore\_throat] radio}
 ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

426) Sore/Swollen Lymph Nodes:  
 {[sore\_swollen\_lymph\_nodes\_2] radio}
 ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

427) Ulcers (Mouth/Skin):  
 {[ulcers] radio}
 ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

428) Unintentional weight loss:  
 {[weight\_loss\_2] radio}
 ☐ {1} Yes (ongoing)  
☐ {2} Yes (previously)  
☐ {0} No  
☐ {-992} Don't know

429) Other symptom/s:  
 {[other\_symptoms\_4] radio}
 ☐ {1} Yes  
☐ {0} No  
☐ {-992} Don't know

430) (If Other) Specify symptom/s:  
 {[other\_symptoms\_specify\_4] textarea}

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# Sexual Behaviour

Collection date for sexual behaviour information:

{[sex\_behav\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## SEXUAL BEHAVIOUR

Has the participant ever had any kind of sex?

{[ever\_had\_sex] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-995} Refused

Has the participant ever had vaginal sex?

{[ever\_vaginal\_sex] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-995} Refused

Has the participant ever performed oral sex on a woman?

{[oral\_sex\_woman] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-995} Refused

Has the participant ever performed oral sex on a man?

{[oral\_sex\_man] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-995} Refused

Has the participant ever had anal sex with a woman?

{[anal\_sex\_woman] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-995} Refused

Has the participant ever had anal sex with a man?

{[anal\_sex\_man] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-995} Refused

How old was the participant the first time they had any kind of sex?

{[age\_first\_time\_sex] text integer}

(Provide age in years.)

In his/her lifetime, with how many individuals has the participant had any kind of sex (opposite and same sex individuals)?

{[lifetime\_sex\_partners] text integer}

In the past 12 months, with how many individuals have you had any kind of sex (opposite and same sex individuals)?

{[mnth\_sex\_partners] text integer}

In the past 12 months, how often has the participant had sex without using safe sex practices?

{[num\_unsafe\_sex] radio}

- ☐ {1} Never  
☐ {2} Less than half of the time  
☐ {3} About half of the time  
☐ {4} Not always, but more than half of the time  
☐ {5} Always  
☐ {-995} Refused

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# HIV Exposure

442) Collection date for HIV exposure information:  
{[hiv\_expose\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## BLOOD TRANSFUSION

443) Has the participant ever had a blood transfusion?  
{[blood\_transfusion] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-995} Refused

444) (If Yes) At what age?  
{[blood\_transfusion\_age\_1] text integer}

(Age in years.)

## PEP/PREP TREATMENT

445) Has the participant ever been exposed to the blood of  
a known HIV+ individual?  
{[hiv\_blood\_exposed] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-995} Refused

446) Has the participant ever been on Pre-exposure  
prophylaxis (PrEP) treatment?  
{[hiv\_prep\_received] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-995} Refused

447) Has the participant ever been on Post-exposure  
prophylaxis (PEP) treatment?  
{[hiv\_pep\_received] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-995} Refused

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# HIV Detection

Specimen Collection Date:

{[hiv\_detect\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## HIV DETECTION TEST

HIV Test Type:

{[hiv\_test\_type] radio}

- ☐ {1} HIV-1 RNA/DNA NAAT
- ☐ {2} HIV-1 Culture
- ☐ {3} HIV-1 P24 Antigen
- ☐ {4} HIV-2 Culture
- ☐ {5} HIV-2 RNA/DNA NAAT

HIV Test Result:

{[hiv\_test\_result] radio}

- ☐ {1} Positive
- ☐ {0} Negative
- ☐ {2} Indeterminate

(If Positive) HIV Type:

{[hiv\_type] radio}

{Branching logic (show if): [hiv\_test\_result]='1'}

- ☐ {1} HIV-1
- ☐ {2} HIV-2

HIV Subtype:

{[hiv\_subtype] radio}

{Branching logic (show if): [hiv\_test\_result]='1'}

- ☐ {1} A
- ☐ {2} B
- ☐ {3} C
- ☐ {4} D
- ☐ {5} F
- ☐ {6} G
- ☐ {7} H
- ☐ {8} J
- ☐ {9} K

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# HIV Treatment

Collection date for HIV treatment information:  
 {[hiv\_art\_collectdate] text date\_dmy}

\_\_\_\_\_  
 (DD-MM-YYYY)

## HIV ARV TREATMENT

Is the participant currently on ART for HIV?  
 {[curr\_hiv\_tx] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-995} Refused

(If Yes) Treatment Start Date:  
 {[curr\_hiv\_tx\_start] text date\_dmy}  
 {Branching logic (show if): [curr\_hiv\_tx]='1'}

\_\_\_\_\_  
 (DD-MM-YYYY)

Specify current ART regimen:  
 {[curr\_hiv\_tx\_drugs] text}  
 {Branching logic (show if): [curr\_hiv\_tx]='1'}

\_\_\_\_\_  
 (ATC codes)

Was the participant previously on ART for HIV?  
 (including regimen changes and ART interruptions)  
 {[prev\_hiv\_tx] radio}

- ☐ {1} Yes  
☐ {0} No  
☐ {-995} Refused

(If Yes) Previous ART stop date?  
 {[prev\_hiv\_tx\_stopdate] text date\_dmy}  
 {Branching logic (show if): [prev\_hiv\_tx]='1'}

\_\_\_\_\_  
 (DD\_MM-YYYY)

Reason/s for stopping previous ART?  
 {[prev\_hiv\_tx\_stop\_rsn] checkbox}  
 {Branching logic (show if): [prev\_hiv\_tx]='1'}

- ☐ {1} Abnormal fat redistribution  
☐ {2} Adverse drug reaction, unspecified  
☐ {3} Availability of more effective treatment  
☐ {4} Concern for cardiovascular disease  
☐ {5} Drug toxicity  
☐ {6} Participant defaulted  
☐ {7} Hypersensitivity reaction  
☐ {8} Structured Treatment Interruption (STI)  
☐ {9} Treatment failure  
☐ {777} Other

(If Other) Specify other reason for stopping ART:  
 {[prev\_hiv\_tx\_stop\_other] text}  
 {Branching logic (show if): [prev\_hiv\_tx]='1' and  
 [prev\_hiv\_tx\_stop\_rsn(777)]='1'}

\_\_\_\_\_

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 H3ABioNet & H3Africa Phenotype Standards



461) Specimen collection date:  
{[cd4\_collect\_date] text date\_dmy} \_\_\_\_\_  
(DD-MM-YYYY)

**CD4 COUNT AND PERCENTAGE**

462) CD4 Count:  
{[cd4\_count] text integer} \_\_\_\_\_  
(in cells/ul)

463) CD4 Percentage:  
{[cd4\_percentage] text integer} \_\_\_\_\_  
(in %)

CD4 Count - Instrument Version 2.0 Released September 2022  
H3ABioNet & H3Africa Phenotype Standards

# HIV Viral Load

Specimen collection date:

{[hiv\_vl\_collectdate] text date\_dmy}

(DD-MM-YYYY)

## QUANTITATIVE HIV VIRAL LOAD

HIV Viral Load test type:

{[hiv\_vl\_test\_type] radio}

- ☐ {1} HIV-1 RNA/DNA NAAT
- ☐ {2} RT-PCR
- ☐ {3} bDNA
- ☐ {4} HIV-2 RNA/DNA NAAT
- ☐ {777} Other

(If Other) Specify other HIV Viral Load test type:

{[hiv\_vl\_other\_test] text}

{Branching logic (show if): [hiv\_vl\_test\_type]='777'}

HIV Viral Load detectable?

{[hiv\_vl\_detected] radio}

- ☐ {1} Detectable
- ☐ {2} Undetectable

Viral Load:

{[hiv\_vl\_result] text integer}

{Branching logic (show if): [hiv\_vl\_detected]='1'}

(copies/mL)

Quantitative Viral Load - Instrument Version 2.0 Released September 2022

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# HIV Blood Count

Please complete the survey below.

Thank you!

469) Specimen collection date:  
 {[hiv\_cbc\_collectdate] text date\_dmy} \_\_\_\_\_  
 (DD-MM-YYYY)

## COMPLETE BLOOD CELL COUNT

470) Red blood cell count (RBC):  
 {[hiv\_rbc] text float} \_\_\_\_\_  
 (in million cells/uL)

471) White blood cell count (WBC):  
 {[hiv\_wbc] text float} \_\_\_\_\_  
 (in 1000 cells/uL)

472) Hematocrit (HCT):  
 {[hiv\_hct] text float} \_\_\_\_\_  
 (%)

473) Haemoglobin (Hb):  
 {[hiv\_hb] text float} \_\_\_\_\_  
 (in g/dL)

474) Mean cell haemoglobin  
 {[hiv\_mean\_cell\_hb] text integer} \_\_\_\_\_  
 (in pg)

475) Mean Cell Hb Concentration (MCHC):  
 {[hiv\_mchc] text float} \_\_\_\_\_  
 (in g/dL)

476) Mean cell volume (MCV):  
 {[hiv\_mcv] text float} \_\_\_\_\_  
 (in fL)

477) Red cell distribution width (RDW):  
 {[hiv\_rdw] text float} \_\_\_\_\_  
 (%)

478) Eosinophils (absolute value):  
 {[hiv\_eosinophils] text float} \_\_\_\_\_  
 (cells/cu.mL)

479) Basophils (absolute value):  
 {[hiv\_basophils] text float} \_\_\_\_\_  
 (cells/cu.mL)

480) Neutrophils (absolute value):  
 {[hiv\_neutrophils] text float} \_\_\_\_\_  
 (cells/cu.mL)

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481) Monocytes (absolute value):  
{[hiv\_monocytes] text float}

\_\_\_\_\_  
(cells/cu.mL)

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482) Lymphocytes (absolute value):  
{[hiv\_lymphocytes] text float}

\_\_\_\_\_  
(cells/cu.mL)

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Complete Blood Count - Instrument Version 2.0 Released September 2022  
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# Liver Function Assay

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483) Specimen collection date:  
{[liver\_func\_collectdate] text date\_dmy} \_\_\_\_\_  
(DD-MM-YYYY)

## LIVER FUNCTION ASSAY

484) Alanine aminotransferase (ALT):  
{[hiv\_alt] text float} \_\_\_\_\_  
(U/L)

485) Aspartate aminotransferase (AST):  
{[hiv\_ast] text float} \_\_\_\_\_  
(U/L)

486) Alkaline phosphatase (ALP):  
{[hiv\_alp] text float} \_\_\_\_\_  
(U/L)

487) Bilirubin:  
{[hiv\_bilirubin] text float} \_\_\_\_\_  
(mg/dL)

488) Albumin:  
{[hiv\_albumin] text float} \_\_\_\_\_  
(g/dL)

489) Total protein:  
{[hiv\_total\_protein] text float} \_\_\_\_\_  
(g/dL)

490) Gamma-glutamyl transferase (GGT):  
{[hiv\_ggt] text float} \_\_\_\_\_  
(U/L)

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Liver Function Assay - Instrument Version 2.0 Released September 2022  
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