



## Africa Centre Demographic Information System (ACDIS)

### Dataset Documentation

# HIV Surveillance 2012

#### Change History

<u>Who</u>	<u>When</u>	<u>What</u>
Colin Newell	10 <sup>th</sup> January 2012	Original

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**welcome**trust

<b>Dataset name</b>	HIV 2012 <b>NB Data Collection not complete at time of writing (Jan 2012)</b>
<b>Description</b>	<p>The “Eligibility List” for the 2012 Round of the HIV Surveillance used 17 November 2011 as its reference date. The criteria for inclusion were all males and females aged 15 and over.</p> <p>Note that unlike in earlier years, no non-residents are included.</p> <p>The total number eligible, was 41,730, so this is the number of rows in the dataset.</p> <p>The field visits took place from January 2012 to Dec 2012. At the time of visit some people included in the Eligibility List were found to in fact be ineligible – perhaps because they were dead, very sick, or had outmigrated – events either not known about at the time the Eligibility List was compiled, or occurring between the drawing up of the Eligibility List and the actual visit. These ‘retrospective ineligibilities’ are identifiable in the dataset as ‘Premature Completions’ with reasons such as “Death or “Outmigration”. There were also some individuals who could not be contacted, even after repeated visits and ‘tracking’ attempts for those who were reported to have moved. These are identifiable as <i>PrematureCompletionReason</i> = Non-Contact. Additionally some people were contacted but refused to participate in the survey. They are identifiable by <i>VisitType</i> = Refusal. Finally there are some who participated in the survey, but refused the HIV test offered. They are identifiable as <i>HIVRefused</i> = ‘Y’.</p>
<b>Rows/Units of analysis</b>	Eligible individuals – see text above for details
<b>Unique identifier(s)</b>	QuestionnaireId
<b>Approx. number of rows</b>	41,730



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### BioMeasures Form

DSRound: B09 Type: B WeekBlock: AA01 SSID 15246

**BMF**

Version 7, 22 Oct 2010  
20:13:01:09 10/01/10

**Section 1. Identification**

Surname, Firstname(s) **Surname58582**, FN158582 Age **16** years Sex **FEM**

DSID **JJTD-L** Visit Ref.# \_\_\_\_\_ Visit Date \_\_\_\_\_

Staff Member \_\_\_\_\_ Visit Type \_\_\_\_\_

HHD **AA**

Supervised? Yes  No

Has residency changed? Yes  No

**Section 2. Operational Information**

**Fieldworker Attempts**

Staff Member	Attempt Date	Comment
1. _____	____/____/____	_____
2. _____	____/____/____	_____
3. _____	____/____/____	_____
4. _____	____/____/____	_____

**Tracker/Special Task Team Attempts**

Staff Member	Attempt Date	Comment
1. _____	____/____/____	_____
2. _____	____/____/____	_____
3. _____	____/____/____	_____
4. _____	____/____/____	_____

**Reason for premature completion**

Reported dead?  > Complete DTNB form

Outmigrated outside DSA  > FORM COMPLETE Very sick  > FORM COMPLETE

Mentally Disabled  > FORM COMPLETE Broken down/non-functional BS  > FORM COMPLETE

Not found after 4 + 4 attempts  > FORM COMPLETE Other  > Specify \_\_\_\_\_ > FORM COMPLETE

Refused Form? Yes  > Refused by: Self  Partner  HH Head  BS Owner  Other  > Specify \_\_\_\_\_ > FORM COMPLETE

**Section 3. Specimen for HIV Testing**

Staff ID: \_\_\_\_\_ Refused Test? Yes  Refused by? Self  Partner  HH Head  BS Owner  Other  > \_\_\_\_\_ > Section 5

-PID-JJTD-L

Stick barcode label B here

**Section 4. Quality Control**

Identify of SampleID and DSID on specimen and BMF checked and found to be consistent? Yes  No

Specimen quality according to standard procedure? Yes  No

Quality Control Section involved? Yes  No

DSID label from specimen

Staff ID: \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

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## Section 5. Attitudes towards HIV testing

We would like to ask you some further questions about HIV testing. Please remember that you are completely free to answer some or none of these questions. Your answers will be treated with absolute confidentiality.

1. There are many places to get an HIV test. Which is the best place for you to get tested?	At home	<input type="radio"/>	
Tick ONE answer only	Counselling Centre	<input type="radio"/>	
	At the clinic	<input type="radio"/>	
	Mobile testing unit	<input type="radio"/>	
	At the hospital	<input type="radio"/>	
	Private doctor	<input type="radio"/>	
	Other	<input type="radio"/>	Specify _____
	Don't know	<input type="radio"/>	
	Prefers not to answer	<input type="radio"/>	
2. Do you know your HIV status?	Yes	<input type="radio"/>	
No	<input type="radio"/>	Q5	
Prefers not to answer	<input type="radio"/>		
3. When was the last time you had a HIV test?	In last 6 months	<input type="radio"/>	
	6 month to 1 year ago	<input type="radio"/>	
	More than a year ago	<input type="radio"/>	
	Prefers not to answer	<input type="radio"/>	
4. Where did you test the last time?	At home	<input type="radio"/>	
Tick ONE answer only	Counselling Centre	<input type="radio"/>	
	At the clinic	<input type="radio"/>	
	Mobile testing unit	<input type="radio"/>	
	At the hospital	<input type="radio"/>	
	Private doctor	<input type="radio"/>	
	Other	<input type="radio"/>	Specify _____
	Don't know	<input type="radio"/>	
	Prefers not to answer	<input type="radio"/>	
5. Have you ever heard about anti-retroviral treatment (ART)?	Yes	<input type="radio"/>	
No	<input type="radio"/>	Form complete	
Prefers not to answer	<input type="radio"/>	Form complete	
6. Do you think ART can help people to improve their health?	Yes	<input type="radio"/>	
No	<input type="radio"/>		
Don't know	<input type="radio"/>		
Prefers not to answer	<input type="radio"/>		
7. Do you know places where one could get ART?	Yes	<input type="radio"/>	Where? _____
No	<input type="radio"/>		
Prefers not to answer	<input type="radio"/>		



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### BioMeasures Form

DSRound: B09 Type: B WeekBlock: AA01 SSID 15246

**BMF**

Version 7, 22 Oct 2010  
2013-01-09 15:09:50

**Section 1. Identification**

Surname, Firstname(s) **Surname58582**, FN158582 Age **16** years Sex **FEM**  
 DSID **JJTD-L** Visit Ref.# \_\_\_\_\_ Visit Date \_\_\_\_\_  
 Staff Member \_\_\_\_\_ Visit Type \_\_\_\_\_  
 HHD **AA** Supervised? Yes  No   
 Has residency changed? Yes  No

**Section 2. Operational Information**

**Fieldworker Attempts**

Staff Member	Attempt Date	Comment
1. _____	____/____/____	_____
2. _____	____/____/____	_____
3. _____	____/____/____	_____
4. _____	____/____/____	_____

**Tracker/Special Task Team Attempts**

Staff Member	Attempt Date	Comment
1. _____	____/____/____	_____
2. _____	____/____/____	_____
3. _____	____/____/____	_____
4. _____	____/____/____	_____

**Reason for premature completion**

Reported dead?  > Complete DTNB form  
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-PID-JJTD-L

Stick barcode label B here

**Section 4. Quality Control**

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Specimen quality according to standard procedure? Yes  No

Quality Control Section involved? Yes  No

DSID label from specimen

Staff ID: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

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## HIV Survey 2012 Dataset Variable List

Variable Name	Description	Source in ACDIS database	Format/Codes/Special values	Notes/comments
QuestionnaireId	Computer-generated Identification, also known as Document Id. Printed under the barcode on the form. The barcode also represents this number.	<i>QuestionnaireAllocations.QuestionnaireAllocation</i>	Integer in range 48873801 to 48915530	Unique identifier for the printed form.
DocumentStatus	Whether form is printed, in field, archived etc	<i>DocumentStatuses.StatusDescription</i>	Text string.	
BMFStatusObservation	Computer-generated Identification	<i>BMFStatusObservations.BMFStatusObservation</i>	Null or Integer ? thru ?	Will be Null if there is a Premature Completion
PrematureCompletionReason	Reason for Premature Completion of questionnaire	<i>PrematureCompletions.Reason</i>	BSB – Non-functional BS DED - Dead IME - Outmigrated MDA – Mentally disabled MUD – Migrated Unknown dest. NCT – Non-contact OTH - Other RTK – Refused tracking VSK – Very sick Null	Will be Null if there is a BMFStatusObservation
PrematureCompletionReasonName	Name associated with premature completion code in previous variable	<i>PrematureCompletionReasons.Name</i>	Text string	
PrematureCompletionOtherComment		<i>PrematureCompletions.Comment</i>	Text string	Completed when Reason = 'Other'
IntId	Registered Individual's unique identifier	<i>RegisteredIndividuals.IntId</i>	Integer 16 to161949 approx	Any duplicates will be because of later merging of a duplicated individual.

## HIV Survey 2012 Dataset Variable List

Variable Name	Description	Source in ACDIS database	Format/Codes/Special values	Notes/comments
Sex	Sex	<i>RegisteredIndividuals.Sex</i>	MAL - Male FEM – Female	58% female
DateOfBirth	Date of birth	RegisteredIndividual's Delivery Event date.	Dates 1890 to Nov1996	
BSIntId	Id of Bounded Structure of residence at last visit before Eligibility List created	<i>QuestionnaireAllocations.BoundedStructure</i>	12 – 16375 No Nulls	No Null or missing values
VisitDate	Date of survey interview	Date of <i>BMFStatusObservations</i> Visit event	Date Jan 2012 to Dec 2012	No null/missing values
VisitType	Type of Visit	<i>Visits.Type</i>	RGL – Regular (??%) TRK – Tracking (?%) RFS – Refused Visit (?%) AVD - Avoided Null – ??%	
VisitTypeName	Label associated with previous variable code	<i>VisitTypes.Name</i>	Text string or Null	
FormRefused	Whether form was refused (by individual)	<i>BMFStatusObservationsFormRefused</i>	Y - Yes N - No Null (if premature compl.)	New to datasets 2011, not to database.
HIVRefused	Refused test?	<i>BMFStatusObservationsHIVRefused</i>	Y – Yes (??%) N - N Null	One reason for many refusals is that many people already know their status, (or think they do)
HIVRefusedBy	Refused by	<i>BMFStatusObservationsHIVRefusedBy</i>	S - Self P - Partner H – HH head B – BS owner O - Other X – Not applicable Null	??% Null or Not applicable
HIVRefusedByName	Refused by	Label associated with previous variable's code	Text string	

## HIV Survey 2012 Dataset Variable List

Variable Name	Description	Source in ACDIS database	Format/Codes/Special values	Notes/comments
HIVRefusedBySpecify		<i>Text from 'If Refused by = 'Other' please specify</i>	Text string	Most Null or not applicable. Most of rest 'Mother'
HIVSampleAvailable		Derived from <i>BMFStatusObservations.HIVSampleId</i>	Y – Yes X – No, but there is a BMFStatusObs Null – No BMFStatus Obs.	
HIVResult	Sample result	<i>BMFStatusObservations.HIVResult</i>	P – Positive N – Negative I – Indeterminate M – Missing (i.e. sample lost) S – Insufficient volume to test X – Not Applicable Null	
HIVResultName	Label associated with codes in previous label	<i>HIVResultCodes.Description</i>	Text string	
PreferredPlaceToTest	There are many places to get an HIV test. Which is the best place for you to get tested?	<i>BMFStatusObservationExts. PreferredPlaceToTest</i>	E.G HM – Home CCT – Counselling Centre DKN – Don't know Etc (see next variable for full list and names)	
PreferredPlaceToTestName	Label associated with codes in previous variable	<i>PreferredPlacesToTest.Description</i>	Text string	
PreferredPlaceToTestSpecify	If 'Other'	<i>BMFStatusObservationExts. PreferredPlaceToTestSpecify</i>	Text string	

## HIV Survey 2012 Dataset Variable List

Variable Name	Description	Source in ACDIS database	Format/Codes/Special values	Notes/comments
KnowsHIVStatus	Do you know your status from previous testing? Yes/No/Refused	<i>BMFStatusObservationExts. KnowsHIVStatus</i>	Y – Yes N – No R – Refused M - Missing X – Not applicable	
WhenLastTested	When was the last time you had a HIV test?	<i>BMFStatusObservationExts. WhenLastTested</i>	6MY 6 months to 1 year ago L6M In last 6 months MYR More than a year ago MIS Missing NAD Not Applicable (i.e. pre-2010) RFS Refused	
WhenLastTestedName	Label associated with codes in previous variable	<i>WhenLastTesteds.Description</i>	Text string	
WhereLastTested	Where did you test the last time?	<i>BMFStatusObservationExts. WhereLastTested</i>	CCT At Counselling Centre CLC At Clinic HOM At home HOS At hospital MTU At Mobile Testing Unit PDR At Private Doctor OTH Other DKN Don't know RFS Refused MIS Missing	
WhereLastTestedName	Label associated with codes in previous variable	<i>WhereLastTesteds.Description</i>	Text string	
WhereLastTestedSpecify	If WhereLastTested = "Other"...	<i>BMFStatusObservationExts. WhereLastTestedSpecify</i>	Text string Null if not "Other"	

## HIV Survey 2012 Dataset Variable List

Variable Name	Description	Source in ACDIS database	Format/Codes/Special values	Notes/comments
HeardAboutART	Have you ever heard about anti-retroviral treatment (ART)? Yes/No/Refused	<i>BMFStatusObservationExts.HeardAboutART</i>	Y – Yes N – No M – Missing R - Refused X – Not applicable	
BelievesARTImprovesHealth	Do you think ART can help people to improve their health?	<i>BMFStatusObservationExts.BelievesARTImprovesHealth</i>	Y – Yes N – No R – Refused M – Missing U – Don't know X – Not applicable	
KnowsWhereToObtainART	Do you know places where one could get ART? Yes/No/Refused	<i>BMFStatusObservationExts.KnowsWhereToObtainART</i>	As previous	
CanNamePlaceToObtainARTSpecify	...if 'Yes', where?	<i>BMFStatusObservationExts.CanNamePlaceToObtainARTSpecify</i>	Text string	

## SQL:

```
/*
<Author>Colin Newell</Author>
<Date>10 Jan 2012</Date>
<Category>HIV Survey Dataset</Category>
<Notes>
Requested by: Core HIV dataset

Request: View for main HIV Survey dataset
</Notes>
<ChangeHistory>

    10 Jan 2012  Colin Newell          Original coding - copied from 2011

</ChangeHistory>
select count(*) from vacHIV_2012 --
*/
ALTER VIEW vacHIV_2012
AS
WITH currwba
AS (SELECT
    nwba.BoundedStructure,
    nwba.Supervisor + nwba.FieldWorker + '-' + RIGHT('0' + CAST(nwba.Week AS varchar(2)), 2) as WeekBlock
FROM NewWeekBlockAssignments nwba
LEFT JOIN NewWeekBlocks nwb ON nwba.Weekblock = nwb.weekblock
LEFT JOIN Events se on se.IntId = nwba.StartEvent

JOIN (SELECT
    nwba.BoundedStructure,
    MAX(se.AssignedDate) as MaxDate
FROM NewWeekBlockAssignments nwba
LEFT JOIN NewWeekBlocks nwb ON nwba.Weekblock = nwb.weekblock
LEFT JOIN Events se on se.IntId = nwba.StartEvent
WHERE nwb.RoundType = 2 -- i.e. B
GROUP BY nwba.BoundedStructure
) maxwb ON maxwb.BoundedStructure = nwba.BoundedStructure
AND maxwb.MaxDate = se.AssignedDate

WHERE nwb.RoundType = 2 -- i.e. B
)

SELECT
qa2.QuestionnaireAllocation AS QuestionnaireId,
ds.StatusDescription as DocumentStatus,

bmfso.BMFStatusObservation AS BMFStatusObservation,
pc.reason AS PrematureCompletionReason,
pcr.[Value] AS PrematureCompletionReasonName,
pc.Comment AS PrematureCompletionOtherComment, -- mainly when Reason = 'OTH'
```

```

qa2.RegisteredIndividual AS IIntID,
ri.Sex AS Sex,
se.AssignedDate AS DateOfBirth,
qa2.Resident AS Resident,
qa2.BoundedStructure AS BSIntID,
ve.AssignedDate AS VisitDate,

v.Type AS VisitType,
vt.[Name] as VisitTypeName,

bmfso.FormRefused,          -- added 10jan2012 CNe
bmfso.HIVRefused AS HIVRefused,
bmfso.HIVRefusedBy AS HIVRefusedBy,
hrbc.[Name] AS HIVRefusedByName,
bmfso.HIVRefusedBySpecify AS HIVRefusedBySpecify,

CASE
  WHEN bmfso.BMFStatusObservation IS NULL THEN Null
  WHEN bmfso.HIVSampleID IS NULL THEN 'X'      -- Added cn 7jul06
  WHEN bmfso.HIVSampleID NOT LIKE '____-____-____' AND bmfso.HIVSampleID NOT LIKE '100[0-9][0-9][0-9][0-9]' THEN 'X' -- 2nd clause added cn
8jun10
  ELSE 'Y'
END AS HIVSampleAvailable,

bmfso.HIVResult AS HIVResult,
hrc.[Description] AS HIVResultName,

bmfso.CD4Count,
bmfso.CD4Pct,
bmfso.CD4Comments,

bmfsoe.PreferredPlaceToTest,
ppt.Description AS PreferredPlaceToTestName,
bmfsoe.PreferredPlaceToTestSpecify,

bmfsoe.KnowsHIVStatus,
bmfsoe.WhenLastTested,
wnlt.Description AS WhenLastTestedName,
bmfsoe.WhereLastTested,
whlt.Description AS WhereLastTestedName,
bmfsoe.WhereLastTestedSpecify,

bmfsoe.HeardAboutART,
bmfsoe.BelievesARTImprovesHealth,
bmfsoe.KnowsWhereToObtainART,
bmfsoe.CanNamePlaceToObtainARTSpecify
FROM QuestionnaireAllocations qa
  LEFT JOIN QuestionnaireAssignments qas ON qas.QuestionnaireAssignment = qa.QuestionnaireAssignment

```

```

LEFT JOIN Questionnaires q ON q.Questionnaire = qa.Questionnaire
LEFT JOIN RegisteredIndividuals ri ON ri.IntId = qa.RegisteredIndividual
LEFT JOIN Events se ON ri.Delivery = se.IntId
LEFT JOIN BoundedStructures bs ON bs.IntID = qa.BoundedStructure

LEFT JOIN QuestionnaireAllocations qa2 ON qa2.RegisteredIndividual = qa.RegisteredIndividual
      AND qa2.boundedstructure = qa.boundedstructure -- added cn 6mar08 to solve problems with merged indivs

LEFT JOIN QuestionnaireAssignments qas2 ON qas2.QuestionnaireAssignment = qa2.QuestionnaireAssignment
LEFT JOIN Questionnaires q2 ON q2.Questionnaire = qas2.Questionnaire
LEFT JOIN BMFStatusObservations bmfso ON bmfso.RegisteredIndividual = qa2.RegisteredIndividual
      AND bmfso.Visit = qa2.Visit

LEFT JOIN PrematureCompletions pc ON pc.QuestionnaireAllocation = qa2.QuestionnaireAllocation
LEFT JOIN PrematureCompletionReasons pcr ON pcr.[Key] = pc.Reason

LEFT JOIN Visits v ON v.IntID = bmfso.Visit -- qa2.Visit tiny bugfix 26mar09
LEFT JOIN VisitTypes vt ON v.Type = vt.Code
LEFT JOIN Events ve ON bmfso.Visit = ve.IntId
LEFT JOIN BMFStatusObservationsExts bmfsoe ON bmfsoe.BMFStatusObservation = bmfso.BMFStatusObservation
LEFT JOIN HIVRefusedByCodes hrbc ON hrbc.Code = bmfso.HIVRefusedBy
LEFT JOIN HIVResultCodes hrc ON hrc.Code = bmfso.HIVResult
LEFT JOIN DocumentStatuses ds ON ds.DocumentStatus = qa2.DocumentStatus
LEFT JOIN PreferredPlacesToTest ppt ON ppt.Code = bmfsoe.PreferredPlaceToTest
LEFT JOIN WhenLastTesteds wnlt ON wnlt.Code = bmfsoe.WhenLastTested
LEFT JOIN WhereLastTesteds whlt ON whlt.Code = bmfsoe.WhereLastTested
WHERE qa.DSRound = 110
      AND q.Acronym = 'BTB' -- = "Bundle Type B"
      AND qa.InSample = 'Y'
      AND qa2.DSRound = 110
      AND LEFT(q2.Acronym, 3) = 'BMF'

```