



## Africa Centre Demographic Information System (ACDIS)

### Dataset Documentation

# HIV Surveillance, Contacts 2003 -2011

#### Change History

<u>Who</u>	<u>When</u>	<u>What</u>
Colin Newell	26 September 2010	Original
Colin Newell	9 Jan 2012	Minor updates now that 2011 data are added

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**welcome**trust

<b>Dataset name</b>	HIV Contacts 2003-2011
<b>Description</b>	<p>The annual HIV surveillance involves drawing, at the start of each Round, an “Eligibility List” of all adult residents plus a sample of non-residents, and then, during the year, attempting to contact those individuals. Inevitable some will have died, moved away, become very sick etc even before the Eligibility List was drawn (since we only visit households twice per year) and also during the year. While the annual HIV surveillance datasets include everyone in the Eligibility Lists, this dataset only includes those individuals who were contacted to the extent that they themselves could be asked whether or not they wanted to participate.</p> <p>Additionally, the eligibility criteria have changed over time, most notably that since 2009 residents aged 55+ for males and 50+ (females) are included.</p> <p>Users of this dataset are strongly encouraged to refer to the images of the annual questionnaires included in the documentation for the annual datasets to check carefully for any changes in question wording, ordering, options offered etc. This document does not attempt to describe every single change and variation.</p>
<b>Rows/Units of analysis</b>	Eligible individuals – see text above for details
<b>Unique identifier(s)</b>	llntld + VisitDate
<b>Approx. number of rows</b>	Approx 219,114 (to end of 2011)

## HIV Survey 2003 to 2011 Contacts Dataset Variable List

Variable Name	Description	Included in year								Source in ACDIS database	Format/Codes/Special values	Notes/comments
		2003/4	2005	2006	2007	2008	2009	2010	2011			
IntId	Registered Individual's unique identifier	✓	✓	✓	✓	✓	✓	✓	✓	RegisteredIndividuals.IntId	Integer 14 to 161939 approx	.
VisitDate	Date of survey interview	✓	✓	✓	✓	✓	✓	✓	✓	Date of BMFStatusObservations Visit event	Date Dec 2002 to Dec 2011	No null/missing values
DSRound	Round of Visit	✓	✓	✓	✓	✓	✓	✓	✓		Visits.DSRound	Identifies the questionnaire that was administered
Sex	Sex	✓	✓	✓	✓	✓	✓	✓	✓	RegisteredIndividuals.Sex	MAL - Male FEM - Female	58% female
AgeAtVisit	Age as at date of visit	✓	✓	✓	✓	✓	✓	✓	✓	Calculated from Date of Birth and Date of Visit	Integer 7 - 106	
HIVRefused	Refused test?	✓	✓	✓	✓	✓	✓	✓	✓	BMFStatusObservations.HIVRefused	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	✓	✓	✓	✓	✓	✓	✓	✓	BMFStatusObservations.HIVRefusedBy	S - Self P - Partner H - HH head B - BS owner O - Other X - Not applicable Null	??% Null or Not applicable
HIVRefusedByName	Refused by name	✓	✓	✓	✓	✓	✓	✓	✓	Label associated with previous variable's code	Text string	

## HIV Survey 2003 to 2011 Contacts Dataset Variable List

Variable Name	Description	Included in year								Source in ACDIS database	Format/Codes/Special values	Notes/comments
		2003/4	2005	2006	2007	2008	2009	2010	2011			
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.	
HIVSpecimenType	Type Of Speciment Collected	✓	✓	✓	✓	✓	✓	✓	✓		DBS – Dried Blood Spot MCI – Microcapillary (Indiv.) MCP – Microcapillary (pooled) ORA – Oral NAD – Not Applicable	100% DBS except in 2010  See next column for code labels.
HIVSpecimenTypeName	Label assoc. with codes in previous variable	✓	✓	✓	✓	✓	✓	✓	✓	<i>HIVSpecimenTypes.Description</i>	Text string	
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	

## HIV Survey 2003 to 2011 Contacts Dataset Variable List

Variable Name	Description	Included in year								Source in ACDIS database	Format/Codes/Special values	Notes/comments
		2003/4	2005	2006	2007	2008	2009	2010	2011			
HIVResultName	Label associated with codes in previous label	✓	✓	✓	✓	✓	✓	✓	✓	<i>HIVResultCodes.Description</i>	Text string	
CD4Count	Sample Result	✗	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservations.CD4Count</i>		Only possible when sample type = MIC Microcapillary
CD4Pct		✗	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservations.CD4Pct</i>		
CD4Comments		✗	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservations.CD4Comments</i>		
FoodVoucherRecipient		✗	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservations.FoodVoucherRecipient</i>		2010 experiment
HeightRefused	Refused measurement	✓	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservations.HeightRefused</i>	Y – Yes N – No M - Missing X – Not applicable No Nulls	
HeightCms		✓	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservations.HeightCms</i>	Real value to 2dp 100 – 270 993.00 - Refused 994.00 - Query 997.00 – Not applic. 999.00 – Missing	2dp is excessive, but was used back in 2003/4
WeightRefused	Refused measurement	✓	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservations.WeightRefused</i>	Y – Yes N – No M - Missing X – Not Applicable No nulls	
WeightKgs		✓	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservations</i>	Real value to 2dp	

## HIV Survey 2003 to 2011 Contacts Dataset Variable List

Variable Name	Description	Included in year								Source in ACDIS database	Format/Codes/Special values	Notes/comments
		2003/4	2005	2006	2007	2008	2009	2010	2011			
										<i>ns.WeightKgs</i>	20 – 200 993.00 - Refused 994.00 - Query 995.00 - Default 997.00 – Not Applic. 999.00 - Missing	
BPRefused	Refused measurement	✓	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservation.BPRefused</i>	Y – Yes N – No M - Missing X – Not Applicable No nulls	
BPFirstSystolic		✓	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservation.BPFirstSystolic</i>	Integer 40-300 994 - Query 997 – Not Applic. 999 - Missing No nulls	
BPFirstDiastolic		✓	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservation.BPFirstDiastolic</i>	Integer 40-200 994 - Query 997 – Not Applic. 999 - Missing No nulls	
FirstPulse		✓	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservation.BPFirstPulse</i>	Integer 30-200 994 - Query 997 – Not Applic. 999 - Missing No nulls	
BPSecondSystolic		✓	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservation.BPSecondSystolic</i>	Integer 40-300 994 - Query 997 – Not Applic. 999 - Missing No nulls	

## HIV Survey 2003 to 2011 Contacts Dataset Variable List

Variable Name	Description	Included in year								Source in ACDIS database	Format/Codes/Special values	Notes/comments	
		2003/4	2005	2006	2007	2008	2009	2010	2011				
BPSecondDiastolic		✓	✗	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservations.BPSecondDiastolic</i>	Integer 40-200 994 - Query 997 – Not Applic. 999 - Missing No nulls	
SecondPulse		✓	✗	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservations.BPSecondPulse</i>	Integer 30-200 994 - Query 997 – Not Applic. 999 - Missing No nulls	
BPThirdSystolic		✓	✗	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservations.BPThirdSystolic,</i>	Integer 40-300 994 - Query 997 – Not Applic. 999 - Missing No nulls	
BPThirdDiastolic		✓	✗	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservations.BPThirdDiastolic</i>	Integer 40-200 994 - Query 997 – Not Applic. 999 - Missing No nulls	
ThirdPulse		✓	✗	✗	✗	✗	✗	✗	✓	✗	<i>BMFStatusObservations.BPThirdPulse</i>	Integer 30-200 994 - Query 997 – Not Applic. 999 - Missing No nulls	
RefusedFurtherQuestions		✗	✗	✓	✓	✓	✗	✗	✗	✗	<i>BMFStatusObservations.nExts.RefusedFurtherQuestions</i>	As previous	
WillingToExplainNotTested	Are you willing to explain why you did not want to be tested? Yes/No/Refused	✗	✗	✓	✓	✓	✗	✗	✗	✗	<i>BMFStatusObservations.nExts.WillingToExplainNotTested</i>	As previous	

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Variable Name	Description	Included in year								Source in ACDIS database	Format/Codes/Special values	Notes/comments
		2003/4	2005	2006	2007	2008	2009	2010	2011			
KnowsResult	Reason: I already know my result.	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.KnowsResult</i>	As previous	
DislikesBloodTaken	Reason: I do not like my blood taken	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.DislikesBloodTaken</i>	As previous	
NothingCanBeDone	Reason: There is nothing that can be done	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.NothingCanBeDone</i>	As previous	
ReasonNotTestingRefused	Reason: refused	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.ReasonNotTestingRefused</i>	As previous	
ReasonNotTestingDontknow	Reason: Don't know	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.ReasonNotTestingDontknow</i>	As previous	
ReasonNotTestingOther	Reason: Other	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.ReasonNotTestingOther</i>	As previous	
ReasonNotTestingOtherSpecify	Reason: If 'Other' specify	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.ReasonNotTestingOtherSpecify</i>	Text string	e.g. Afraid, not ready, tired...
RefusedAdditionalQuestions		x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.RefusedAdditionalQuestions</i>	Y – Yes N – No D – Default X – Not applicable Null	
SupportResearch	Why do you want to be tested by the Africa Centre? : Support research	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.SupportResearch</i>	As Previous	
ToLearnHIVStatus	Why...: "To know my HIV result"	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.ToLearnHIVStatus</i>	As Previous	
ReasonTestingR	Why... Refused	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservation</i>	As previous	

## HIV Survey 2003 to 2011 Contacts Dataset Variable List

Variable Name	Description	Included in year								Source in ACDIS database	Format/Codes/Special values	Notes/comments
		2003/4	2005	2006	2007	2008	2009	2010	2011			
efused										<i>nExts.ReasonTestingRefused</i>		
ReasonTestingDon'tknow	Why... Don't know	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.ReasonTestingDon'tknow</i>	As previous	
ReasonTestingOther	Why... Other	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.ReasonTestingOther</i>	As previous	
ReasonTestingOtherSpecify	Why... If "Other" – specify	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.ReasonTestingOtherSpecify</i>	Text string	All but one are default/Null, Not applicable. The one says "Just doing it"
EverTestedHIV	"Have You ever tested for HIV? Yes/No/Refused	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.EverTestedHIV</i>	Y – Yes N – No D – Default R - Refused X – Not applicable Null	
TestedAfricaCentre	If you have been tested before, where did you test? – Africa Centre	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.TestedAfricaCentre</i>	As previous	
TestedGovernmentClinic	If...: GovernmentClinic	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.TestedGovernmentClinic</i>	As previous	
TestedGovernmentHospital	If...:GovernmentHospital	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.TestedGovernmentHospital</i>	As previous	
TestedPrivateClinic	If... Private Clinic	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.TestedPrivateClinic</i>	As previous	
TestedPrivateHospital	If... Private	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.TestedPrivateHospital</i>	As previous	

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Variable Name	Description	Included in year								Source in ACDIS database	Format/Codes/Special values	Notes/comments
		2003/4	2005	2006	2007	2008	2009	2010	2011			
spital	Hospital									<i>nExts.TestedPrivateHospital</i>		
TestedWorkPlace	If... Workplace/Employer	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.TestedWorkPlace</i>	As previous	
TestedInsurancePurposes	If... Insurance purposes	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.TestedInsurancePurposes</i>	As previous	
TestedOtherInstitutions	If... Other institutions (e.g. NGO)	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.TestedOtherInstitutions</i>	As previous	
TestedRefused	If ...Refused	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.TestedRefused</i>	As previous	
TestedDontKnow	If... Don't know	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.TestedDontKnow</i>	As previous	
TestedOther	If...Other	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.TestedOther</i>	As previous	
TestedOtherSpecify	Of... "Other" Specify	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.TestedOtherSpecify</i>	Text string	About 200 'useful' values – mostly 'Doctor' or 'private doctor' etc
KnowsHIVStatus	Do you know your status from previous testing? Yes/No/Refused	x	x	✓	✓	✓	✓	✓	✓	<i>BMFStatusObservationExts.KnowsHIVStatus</i>	Y – Yes N – No R – Refused M - Missing X – Not applicable	Old values D and U all changed to M in database mid-2008
HeardAboutART	Have you ever heard about anti-retroviral treatment (ART)?	x	x	✓	✓	✓	✓	✓	✓	<i>BMFStatusObservationExts.HeardAboutART</i>	As previous	

## HIV Survey 2003 to 2011 Contacts Dataset Variable List

Variable Name	Description	Included in year								Source in ACDIS database	Format/Codes/Special values	Notes/comments
		2003/4	2005	2006	2007	2008	2009	2010	2011			
	Yes/No/Refused											
KnowsWhereToObtainART	Do you know places where one could get ART? Yes/No/Refused	x	x	✓	✓	✓	✓	✓	✓	<i>BMFStatusObservationExts.KnowsWhereToObtainART</i>	As previous	
CanNamePlaceToObtainART	Can you name a place where you can get ART?	x	x	✓	✓	✓	✓	✓	✓	<i>BMFStatusObservationExts.CanNamePlaceToObtainART</i>	As previous	
CanNamePlaceToObtainARTSpecify	...if 'Yes', specify	x	x	✓	✓	✓	✓	✓	✓	<i>BMFStatusObservationExts.CanNamePlaceToObtainARTSpecify</i>	Text string	About 9,000 'useful' values – mainly 'Hospital', 'Clinic' or names thereof.
ApprovesProvisionART	Do you approve the provision of ART in the District? Yes/No/Refused	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.ApprovesProvisionART</i>	Y – Yes N – No D – Default R – Refused U – Un known X – Not applicable Null	
BelievesARTMakeFeelBetter	Do you believe that ART can make someone infected with AIDS feel better? Yes/No/Refused	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.BelievesARTMakeFeelBetter</i>	As previous	
KnowsSomebodyPersonallyOnART	Do you personally know somebody who is on ART?	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.KnowsSomebodyPersonallyOnART</i>	As previous	
PreferredPlaceToTest	There are many places to get an HIV test. Which is the best place for	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.PreferredPlaceToTest</i>	E.G HM – Home CCT – Counselling	

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Variable Name	Description	Included in year								Source in ACDIS database	Format/Codes/Special values	Notes/comments	
		2003/4	2005	2006	2007	2008	2009	2010	2011				
	you to get tested?											Centre DKN – Don't know Etc (see next variable for full list and names)	
PreferredPlaceToTestName	Label associated with codes in previous variable	x	x	✓	✓	✓	x	x	x	<i>PreferredPlacesToTest.Description</i>	Text string		
PreferredPlaceToTestSpecify	If 'Other'	x	x	✓	✓	✓	x	x	x	<i>BMFStatusObservationExts.PreferredPlaceToTestSpecify</i>	Text string		
PreferredTestMethod	Which of the following HIV testing methods offered by the Africa Centre do you prefer?	x	x	x	x	x	✓	x	x	<i>BMFStatusObservationExts.PreferredTestMethod</i>	DCC – Dried Blood spot, pick up result DHD – Dried Blood spot and home delivery result VHM – VCT at home MIS - Missing RFS - Refused Null		
PreferredTestMethodName	Label associated with codes in previous variable	x	x	x	x	x	✓	x	x	<i>PreferredTestMethods.Description</i>	Text string		
BelievesARTImprovesHealth	Do you think ART can help people to improve their health?	x	x	x	x	x	✓	✓	✓	<i>BMFStatusObservationExts.BelievesARTImprovesHealth</i>	Y – Yes N – No R – Refused M – Missing U – Don't know X – Not applicable		

## HIV Survey 2003 to 2011 Contacts Dataset Variable List

Variable Name	Description	Included in year								Source in ACDIS database	Format/Codes/Special values	Notes/comments
		2003/4	2005	2006	2007	2008	2009	2010	2011			
BelievesARTMakesTalkEasier	Do you think that having more people on ART makes it easier/more normal for people to talk about their HIV status and their illness?	x	x	x	x	x	✓	✓	x	<i>BMFStatusObservationExts.</i> <i>BelievesARTMakesTalkEasier</i>	Y – Yes N – No R – Refused M – Missing X – Not applicable	
WhenLastTested	When was the last time you had a HIV test?	x	x	x	x	x	x	✓	✓	<i>BMFStatusObservationExts.</i> <i>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	New for 2010
WhenLastTestedName	Label associated with codes in previous variable	x	x	x	x	x	x	✓	✓	<i>WhenLastTesteds.Description</i>	Text string	New for 2010
WhereLastTested	Where did you test the last time?	x	x	x	x	x	x	✓	✓	<i>BMFStatusObservationExts.</i> <i>WhereLastTested</i>	CCT At Counselling Centre CLC At Clinic HOM At home HOS At hospital MTU At Mobile Testing Unit PDR At Private Doctor ULG At	New for 2010

## HIV Survey 2003 to 2011 Contacts Dataset Variable List

Variable Name	Description	Included in year								Source in ACDIS database	Format/Codes/Special values	Notes/comments	
		2003/4	2005	2006	2007	2008	2009	2010	2011				
											Ubumbano Lwentsha game OTH Other DKN Don't know RFS Refused NAD Not applicable (pre-2010) MIS Missing		
WhereLastTestedName	Label associated with codes in previous variable	x	x	x	x	x	x	x	✓	✓	<i>WhereLastTested.Description</i>	Text string	New for 2010
WhereLastTestedSpecify	If WhereLastTested = "Other"...	x	x	x	x	x	x	x	✓	✓	<i>BMFStatusObservationExts. WhereLastTestedSpecify</i>	Text string Null if not "Other"	New for 2010
HeardOfUbumbanoLwentsha	Have you ever heard about the Ubumbano Lwentsha Project run by the Arica Centre?	x	x	x	x	x	x	x	✓	x	<i>BMFStatusObservationExts. HeardOfUbumbanoLwentsha</i>	Y – Yes N – No M – Missing X – Not applicable	New for 2010
AttendedUbumbanoLwentsha	Have you ever attended a sports game organised by the Ubumbano Lwentsha Project?	x	x	x	x	x	x	x	✓	x	<i>BMFStatusObservationExts. AttendedUbumbanoLwentsha</i>	Y – Yes N – No M – Missing X – Not applicable	New for 2010
TestMoreIfARTImmediately,	Do you think people would test more often if they could start ART as soon as they knew they were HIV	x	x	x	x	x	x	x	✓	x	<i>BMFStatusObservationExts. TestMoreIfARTImmediately,</i>	Y – Yes N – No M – Missing X – Not applicable	New for 2010

## HIV Survey 2003 to 2011 Contacts Dataset Variable List

Variable Name	Description	Included in year								Source in ACDIS database	Format/Codes/Special values	Notes/comments
		2003/4	2005	2006	2007	2008	2009	2010	2011			
	positive?											
TestEasierIfART Immediately	Do you think people would find testing easier if they could start ART as soon as they knew they were HIV positive?	x	x	x	x	x	x	✓	x	<i>BMFStatusObservationExts. TestEasierIfARTImmediately</i>	Y – Yes N – No M – Missing X – Not applicable	New for 2010

## SQL:

```
/*
<Author>Colin Newell</Author>
<Date>26 Sep 2010</Date>
<Category>HIV Survey Dataset</Category>
<Notes>
Requested by: Core HIV dataset

Request: View for main HIV Survey dataset, covering contacts only (i.e. excl. Premature completions) 2005 on

</Notes>
<ChangeHistory>

26 Sep 2010 Colin Newell Original coding

20 Jul 2011 Colin Newell Excluded 612 CHC visits. These were visits by Regd. Indivs to the counselling centres outside normal routine
surveillance. Hence they should be excluded for any surveillance dataset.

10 Jan 2012 Colin Newell Extended to include 2011 data

</ChangeHistory>
select count(*) FROM vacHIV_Contacts_2003to11 -- 219,114
*/
CREATE VIEW vacHIV_Contacts_2003to11
AS
SELECT top 100 percent
    bmfs0.RegisteredIndividual AS IIntId,
    ve.AssignedDate AS VisitDate,
    v.DSRound AS DSRound,

    ri.Sex AS Sex,

CASE
    WHEN rise.AssignedDate < '1 jan 1800' THEN 999
    ELSE FLOOR(DATEDIFF(d, rise.AssignedDate, ve.AssignedDate) / 365.25)
END AS AgeAtVisit,

-- ===== Asked in ..
bmfs0.HIVRefused AS HIVRefused, -- 2003/4, 2005, 2006, 2007, 2008, 2009, 2010, 2011
bmfs0.HIVRefusedBy AS HIVRefusedBy, -- 2003/4, 2005, 2006, 2007, 2008, 2009, 2010, 2011
hrbc.[Name] AS HIVRefusedByName, -- 2003/4, 2005, 2006, 2007, 2008, 2009, 2010, 2011
bmfs0.HIVRefusedBySpecify AS HIVRefusedBySpecify, -- 2003/4, 2005, 2006, 2007, 2008, 2009, 2010, 2011

CASE
    WHEN bmfs0.HIVSampleID IS NULL THEN 'X'
    WHEN bmfs0.HIVSampleID NOT LIKE '____-____-____' AND bmfs0.HIVSampleID NOT LIKE '100[0-9][0-9][0-9][0-9]' THEN 'X' -- 2nd clause added cn
8jun10
    ELSE 'Y'
END AS HIVSampleAvailable, -- 2003/4, 2005, 2006, 2007, 2008, 2009, 2010, 2011
```

```

bmfso.HIVSpecimenType, -- 2003/4, 2005, 2006, 2007, 2008, 2009, 2010, 2011
hst.Description as HIVSpecimenTypeName, -- 2003/4, 2005, 2006, 2007, 2008, 2009, 2010, 2011

bmfso.HIVResult AS HIVResult, -- 2003/4, 2005, 2006, 2007, 2008, 2009, 2010, 2011
hrc.[Description] AS HIVResultName, -- 2003/4, 2005, 2006, 2007, 2008, 2009, 2010, 2011

-- microcapillary collection of specimen, allowing Cd4 to be counted, was experimented with for a proportion of 2010
bmfso.CD4Count, -- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010,
NOT 2011
bmfso.CD4Pct, -- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010,
NOT 2011
bmfso.CD4Comments, -- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010,
NOT 2011

bmfso.FoodVoucherRecipient, -- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010,
NOT 2011

-- Height/weight/BP was asked in 2003/4 Round, and revived 2010 for one year only.
bmfso.HeightRefused, -- 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010, NOT
2011
bmfso.HeightCms, -- 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010, NOT
2011

bmfso.WeightRefused, -- 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010, NOT
2011
bmfso.WeightKgs, -- 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010, NOT
2011

bmfso.BPRefused, -- 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010, NOT
2011
bmfso.BPFirstSystolic, -- 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010, NOT
2011
bmfso.BPFirstDiastolic, -- 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010, NOT
2011
bmfso.BPFirstPulse AS FirstPulse, -- 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010, NOT
2011
bmfso.BPSecondSystolic, -- 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010, NOT
2011
bmfso.BPSecondDiastolic, -- 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010, NOT
2011
bmfso.BPSecondPulse AS SecondPulse, -- 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010, NOT
2011
bmfso.BPThirdSystolic, -- 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010, NOT
2011
bmfso.BPThirdDiastolic, -- 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010, NOT
2011
bmfso.BPThirdPulse AS ThirdPulse, -- 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010, NOT
2011

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bmfsoe.RefusedFurtherQuestions,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.WillingToExplainNotTested,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.KnowsResult,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.DislikesBloodTaken,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.NothingCanBeDone,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.ReasonNotTestingRefused,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.ReasonNotTestingDontknow,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.ReasonNotTestingOther,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.ReasonNotTestingOtherSpecify,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.RefusedAdditionalQuestions,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.SupportResearch,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.ToLearnHIVStatus,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.ReasonTestingRefused,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.ReasonTestingDontknow,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.ReasonTestingOther,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.ReasonTestingOtherSpecify,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.EverTestedHIV,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.TestedAfricaCentre,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.TestedGovernmentClinic,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.TestedGovernmentHospital,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.TestedPrivateClinic,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.TestedPrivateHospital,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.TestedWorkPlace,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.TestedInsurancePurposes,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.TestedOtherInstitutions,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.TestedRefused,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.TestedDontKnow,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.TestedOther,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.TestedOtherSpecify,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.KnowsHIVStatus,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, 2009, 2010, 2011
bmfsoe.HeardAboutART,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, 2009, 2010, 2011
bmfsoe.KnowsWhereToObtainART,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, 2009, 2010, 2011
bmfsoe.CanNamePlaceToObtainART,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, 2009, 2010, 2011
bmfsoe.CanNamePlaceToObtainARTSpecify,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, 2009, 2010, 2011
bmfsoe.ApprovesProvisionART,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.BelievesARTMakeFeelBetter,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
bmfsoe.KnowsSomebodyPersonallyOnART,	-- NOT 2003/4, NOT 2005, 2006, 2007, 2008, NOT 2009, NOT 2010, NOT 2011
-- new 2009	
bmfsoe.PreferredPlaceToTest,	-- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, 2009, 2010, 2011
ppt. <a href="#">Description AS PreferredPlaceToTestName</a> ,	-- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, 2009, 2010, 2011
bmfsoe.PreferredPlaceToTestSpecify,	-- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, 2009, 2010, 2011
bmfsoe.PreferredTestMethod <a href="#">AS PreferredTestMethod</a> ,	-- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, 2009, NOT 2010,
NOT 2011	
ptm. <a href="#">Description AS PreferredTestMethodName</a> ,	-- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, 2009, NOT 2010,
NOT 2011	
bmfsoe.BelievesARTImprovesHealth,	-- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, 2009, 2010, 2011

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    bmfsoe.BelievesARTMakesTalkEasier,                -- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, 2009, 2010, NOT
2011

    -- new 2010
    bmfsoe.WhenLastTested,                            -- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010,
2011
    wnlft.Description AS WhenLastTestedName,         -- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010,
2011
    bmfsoe.WhereLastTested,                           -- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010,
2011
    whlft.Description AS WhereLastTestedName,       -- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010,
2011
    bmfsoe.WhereLastTestedSpecify,                   -- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010,
2011
    bmfsoe.HeardOfUbumbanoLwentsha,                 -- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010,
NOT 2011
    bmfsoe.AttendedUbumbanoLwentsha,                 -- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010,
NOT 2011
    bmfsoe.TestMoreIfARTImmediately,                 -- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010,
NOT 2011
    bmfsoe.TestEasierIfARTImmediately,               -- NOT 2003/4, NOT 2005, NOT 2006, NOT 2007, NOT 2008, NOT 2009, 2010,
NOT 2011
-- =====
FROM BMFStatusObservations bmfso
LEFT JOIN Visits v ON v.IntID = bmfso.Visit
LEFT JOIN Events ve ON ve.IntId = bmfso.Visit

-- WE JOIN, not LEFT JOIN on next line to exclude about 500 'randoms' who turned up at counselling centres and were tested but
-- who were not part of ACDIS> They exist in BMF and ProtectedINdividuals, but not in RegisteredINdividuals.
JOIN RegisteredIndividuals ri ON ri.IntId = bmfso.RegisteredIndividual
LEFT JOIN Events rise on rise.IntId = ri.Delivery

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 PreferredPlacesToTest ppt ON ppt.Code = bmfsoe.PreferredPlaceToTest
LEFT JOIN PreferredTestMethods ptm ON ptm.Code = bmfsoe.PreferredTestMethod
LEFT JOIN WhenLastTesteds wnlft ON wnlft.Code = bmfsoe.WhenLastTested
LEFT JOIN WhereLastTesteds whlft ON whlft.Code = bmfsoe.WhereLastTested
LEFT JOIN HIVSpecimenTypes hst on hst.Code = bmfso.HIVSpecimenType
WHERE ve.AssignedDate <= '31 dec 2011' -- exclude current, incomplete Round..
AND ve.Type <> 'QLC' -- excludes exactly 400 in 2003/4 only.
AND ve.Type <> 'CHC' -- excludes exactly 612 in 2003/7 ad hoc visits of Regd Indivs to the counselling centres i.e. not part of
surveillance.
-- (There are other dups in 2003/4 which Tanya Welz, and the 2003/4 HIV dataset,
-- excludes and which should perhaps be excluded here.)

ORDER BY bmfso.RegisteredIndividual,
         ve.AssignedDate

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