

South Africa

Dr Kobus Herbst, AHRI, SAPRIN

Dr Guy Harling, AHRI

Dr Mark Siedner, AHRI

Prof Willem Hanekom, AHRI

AHRI.Surveillance Episodes

YrAgeDel_HSE_Labour_Partner_Parents_HIV

Study Documentation

February 23, 2026

Metadata Production

Metadata Producer(s)	Africa Health Research Institute (AHRI)
Identification	DDI.AHRI.Surveillance.Episodes.YrAgeDel.HSE.Labour.Partner.Parents.HIV

Table of Contents

Overview	4
Scope & Coverage	5
Producers & Sponsors	5
Sampling	5
Data Collection	6
Accessibility	6
Files Description	7
SurveillanceEpisodesYrAgeDel HSE Labour Partner Parents HIV	7
Variables List	8
SurveillanceEpisodesYrAgeDel HSE Labour Partner Parents HIV	8
Variables Description	11
SurveillanceEpisodesYrAgeDel HSE Labour Partner Parents HIV	12

AHRI.Surveillance Episodes YrAgeDel_HSE_Labour_Partner_Parents_HIV

Overview

Identification	AHRI.Surveillance.Episodes.YrAgeDel.HSE.Labour.Partner.Parents.HIV
Version	v2.0.0

Abstract

Africa Health Research Institute (AHRI) is a multidisciplinary, independent research institute. AHRI's goal is to become a source of fundamental discoveries into the susceptibility, transmission and cure of HIV, TB and related diseases. We also seek ways to improve diagnosis, prevention and treatment. To achieve this, we bring together leading researchers from different fields, use cutting edge science to improve people's health, and help to train the next generation of African scientists.

AHRI has conducted individual and household demographic surveillance since 2000. Demographic surveillance data are processed for longitudinal analyses by organizing the demographic surveillance data into individual and household residency episodes at a geographical physical location, and individual membership episodes within a household. Start events of residency and memberships include enumeration, birth, in-migration and relocating into a household from within the study population. Exit events of residency and memberships include death (by cause), out-migration and relocating to another location in the study population. AHRI annually produces a suite of Individual Demographic surveillance datasets which contains detailed records of all individuals under surveillance since January 2000. The datasets detail individual residency and membership patterns, household mortality (including cause of death), fertility, migration, HIV status, health care utilization, and household socio-economic profile.

Each record in the dataset represents a period of observation for an individual during which all the recorded characteristics of the individual stay constant. For example, on the birthday of the individual a new episode will start, because the age of the individual has changed. An out-migration will result in a new episode, because the location or residential status has changed. Any change in one of the status values, such as education, marital status, social-economic status and HIV will likewise result in a new episode on the date of the change.

The following are the versions of the Demographic surveillance datasets:

CoresidencyEpisodes
 EducationCleaned
 EducationStatuses
 HIVStatusEpisodes
 HouseholdAssets
 HouseholdMap
 HouseholdObservations
 HouseholdSocioEconomicStatus
 HouseholdStatusEpisodes
 IndividualHSEEpisodes
 IndividualMap
 LabourEpisodes
 LabourStatuses
 LocationMap
 MaritalStatuses
 PartnerEpisodes
 SurveillanceEpisodesBasic
 SurveillanceEpisodesYTAge
 SurveillanceEpisodes YrAge_Coresidency
 SurveillanceEpisodesYrAge_HIV
 SurveillanceEpisodes VrAge_HSE
 SurveillanceEpisodes YrAge_Labour
 SurveillanceEpisodesYrAge_Partners
 SurveillanceEpisodesYrAgeDel

SurveillanceEpisodes VrAgeDel_HSE SurveillanceEpisodesYrAgeDeL_HSE_Labour SurveillanceEpisodesYrAgeDeL_HSE_Labour_Partner_Parents SurveillanceEpisodes VrAgeDel_HSE_Labour_Partner_Parents_HIV SurveillanceEpisodesYrAgeDeL_HSE_Labour_Partners	
Kind of Data	Event History Data
Unit of Analysis	Episodes of exposure

Scope & Coverage	
Keywords	Fertility, Mortality, Migration, Social-economic status, HIV, ART
Topics	Surveillance Episodes Year Age Delivery_HSE_Labour_Partner_Parents_HIV
Time Period(s)	2000-2024
Countries	South Africa
Geographic Coverage AHRI is situated in the south-east portion of the uMkhanyakude district of KwaZulu-Natal province near the town of Mtubatuba. It is bounded on the west by the Umfolozi-Hluhluwe nature reserve, on the south by the Umfolozi river, on the east by the N2 highway (except form portions where the KwaMsane township strangles the highway) and in the north by the provincial road R22. The surveillance area is approximately 850km ² in size.	
Universe Households resident in dwellings within the study area are eligible for inclusion in the household component of AHRI Demographic Surveillance. All individuals identified by the household proxy informant as members of the households are enumerated. A resident household member is an individual that intends to sleep majority of time at the dwelling occupied by the household over a four-month period. Households include resident and non-resident members. An individual is a non-resident member if they have close ties to the household, but do not physically reside with the household at the dwelling most of the time. Non-resident members can also be called temporary migrants and they are enumerated within the household list. Because household membership is not tied to physical residency, an individual may be a member of more than one household.	

Producers & Sponsors	
Primary Investigator(s)	Dr Kobus Herbst, AHRI, SAPRIN Dr Guy Harling, AHRI Dr Mark Siedner, AHRI Prof Willem Hanekom, AHRI
Other Producer(s)	Africa Health Research Institute (AHRI)
Funding Agency/ies	Wellcome Trust (WT) , Core funding SAPRIN (SAPRIN)
Other Acknowledgment(s)	AHRI Research Data Management Team , Research Data Management , AHRI AHRI Data Collection Team , Data Collection , AHRI AHRI Community Engagement Team , Community Engagement , AHRI

Sampling	
Sampling Procedure This dataset is not based on a sample but contains information from the complete demographic surveillance areas.	

Data Collection

Data Collection Dates	start 2000-01-01 end 2024-12-31
------------------------------	------------------------------------

Accessibility

Access Conditions

Access to the data requires accurate completion of the online data access application form accessible on the AHRI Data repository (<<https://data.ahri.org/>>). Data users are required to abide by the data use conditions stipulated on the application for access to the data. Failure to do so may result in their data access privileges being revoked by the Data Custodian. In order to recognise the effort and intellectual contributions of AHRI investigators in producing and curating the data, users of AHRI data must acknowledge the source of the data and abide by the terms and conditions under which the data is accessed and must cite the dataset in publication using the citation provided as part of this documentation. All analytical datasets published on the AHRI Data Repository are assigned digital object identifier (DOIs) and the DOIs can be found on the Data Repository under Study Description tab - Access policy. AHRI data users are required to always cite the dataset using the relevant DOI.

<https://github.com/SAPRIN-MRC/SaprinEpisodes.jl.git>

Citation Requirements

Herbst, K., Harling, G., Siedner, M., & Hanekom, W. (2026). AHRI.Surveillance Episodes YrAgeDel_HSE_Labour_Partner_Parents_HIV [Data set]. Africa Health Research Institute.

DOI: <https://doi.org/10.23664/>

AHRI.SURVEILLANCE.EPISODES.YRAGEDEL.HSE.LABOUR.PARTNER.PARENTS.HIV

Files Description

Dataset contains 1 file(s)

SurveillanceEpisodesYrAgeDel_HSE_Labour_Partner_Parents_HIV	
# Cases	9625419
# Variable(s)	55

Variables List

Dataset contains 55 variable(s)

File SurveillanceEpisodesYrAgeDel_HSE_Labour_Partner_Parents_HIV							
#	Name	Label	Type	Format	Valid	Invalid	Question
1	Individu..	Unique individual identifier	continuous	numeric-9.0	9625419	0	-
2	Sex	Sex of individual	discrete	numeric-9.0	9625419	0	-
3	DoB	Date of birth	discrete	character-11	9625395	-	-
4	DoD	Date of death	discrete	character-11	806043	-	-
5	MotherId	Mother's IndividualId	continuous	numeric-9.0	6719895	2905524	-
6	FatherId	Father's IndividualId	continuous	numeric-9.0	3546098	6079321	-
7	LocationId	Where individual was resident, household residence if non-resident	continuous	numeric-9.0	9625419	0	-
8	Househol..	Unique household identifier of the household the individual is a member of	continuous	numeric-9.0	9625419	0	-
9	HHRelati..	Relationship to head of household	discrete	numeric-22.0	9625419	0	-
10	Resident	Whether individual is resident for duration of episode	discrete	numeric-15.0	9625419	0	-
11	Episode	This episode number (first=1, last=Episodes)	continuous	numeric-9.0	9625419	0	-
12	Episodes	Total number of episodes for individual	continuous	numeric-9.0	9625419	0	-
13	StartDate	Start date of episode (inclusive)	discrete	character-11	9625419	-	-
14	EndDate	End date of episode (inclusive)	discrete	character-11	9625419	-	-
15	Days	Duration in days of episode	continuous	numeric-9.0	9625419	0	-
16	Calendar..	Calendar year during episode	continuous	numeric-9.0	9625419	0	-
17	Age	Age in completed years during episode	continuous	numeric-9.0	9625419	0	-
18	Born	Episode starts with the birth of the individual	discrete	numeric-15.0	9625419	0	-
19	Enumerat..	Episode starts with an enumeration	discrete	numeric-15.0	9625419	0	-
20	InMigrat..	Episode starts with an in-migration	discrete	numeric-15.0	9625419	0	-
21	Location..	Episode starts with an internal migration	discrete	numeric-15.0	9625419	0	-
22	ExtResSt..	Flag to indicate start of external residence	discrete	numeric-15.0	9625419	0	-
23	Particip..	Resumed participation after refusal	discrete	numeric-15.0	9625419	0	-
24	Died	Episode ends with the death of the individual	discrete	numeric-15.0	9625419	0	-

File SurveillanceEpisodesYrAgeDel_HSE_Labour_Partner_Parents_HIV							
#	Name	Label	Type	Format	Valid	Invalid	Question
25	OutMigra ..	Episode ends with the out-migration	discrete	numeric-15.0	9625419	0	-
26	Location ..	Episode ends with an internal migration	discrete	numeric-15.0	9625419	0	-
27	ExtResEnd	Flag to indicate end of external residence	discrete	numeric-15.0	9625419	0	-
28	Refusal	Individual refused follow-up	discrete	numeric-15.0	9625419	0	-
29	LostToFo ..	Individual was lost to follow-up at the end of the episode	discrete	numeric-15.0	9625419	0	-
30	Current	Individual still under surveillance	discrete	numeric-15.0	9625419	0	-
31	HHRelati ..	Relationship to head of household changed during this episode	discrete	numeric-15.0	9625419	0	-
32	Membersh ..	Flag to indicate start of household membership	discrete	numeric-15.0	9625419	0	-
33	Membersh ..	Flag to indicate end of household membership	discrete	numeric-15.0	9625419	0	-
34	GapStart	Start of a gap in individual exposure record	discrete	numeric-15.0	9625419	0	-
35	GapEnd	End of gap in individual exposure record	discrete	numeric-15.0	9625419	0	-
36	AgeChange	Flag age changed	discrete	numeric-15.0	9625419	0	-
37	YrChange	Flag calendar year changed	discrete	numeric-15.0	9625419	0	-
38	Membersh ..	Number of concurrent household memberships	continuous	numeric-9.0	9625419	0	-
39	Educatio ..	Education level achieved during this calendar year	discrete	numeric-18.0	7362196	2263223	-
40	Children ..	Number of babies delivered at start of episode	discrete	numeric-11.0	9625419	0	-
41	Children ..	Number of children ever born to individual	discrete	numeric-9.0	9625419	0	-
42	Observat ..	Link to HouseholdObservations & HouseholdSocioEconomicStat	continuous	numeric-9.0	7919696	1705723	-
43	Househol ..	Change in household socio-economic status	discrete	numeric-15.0	8242752	1382667	-
44	Employme ..	Employment Status	discrete	numeric-15.0	4545628	5079791	-
45	Employme ..	Flag to indicate change in employment status	discrete	numeric-15.0	5083969	4541450	-
46	PartnerS ..	Partner Status	discrete	numeric-17.0	6052522	3572897	-
47	PartnerS ..	Flag to indicate change in partnership status	discrete	numeric-15.0	6177174	3448245	-
48	MotherDead	Mother is dead	discrete	numeric-9.0	9625419	0	-
49	MotherCo ..	Mother is co-resident	discrete	numeric-19.0	9625419	0	-
50	FatherDead	Father is dead	discrete	numeric-9.0	9625419	0	-
51	FatherCo ..	Father is co-resident	discrete	numeric-19.0	9625419	0	-

File SurveillanceEpisodesYrAgeDel_HSE_Labour_Partner_Parents_HIV							
#	Name	Label	Type	Format	Valid	Invalid	Question
52	Parental ..	Change in parental status	discrete	numeric-15.0	9625419	0	-
53	HIVStatus	HIV status during this episode	discrete	numeric-13.0	4653761	4971658	-
54	HIVStatu ..	HIV Status changed during at the start of this episode	discrete	numeric-15.0	4653761	4971658	-
55	HIVSeroC ..	Individual seroconverted at the start of this episode	discrete	numeric-15.0	4653761	4971658	-

Variables Description

Dataset contains 55 variable(s)

File : SurveillanceEpisodesYrAgeDel_HSE_Labour_Partner_Parents_HIV

IndividualId: Unique individual identifier

Information [Type= continuous] [Format=numeric] [Range= 1-263153] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-] [Mean=118316.121 /-] [StdDev=77549.748 /-]

Sex: Sex of individual

Information [Type= discrete] [Format=numeric] [Range= 0-3] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
0		93	0.0%
1	Male	4536295	47.1%
2	Female	5089031	52.9%
3	Unknown	0	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

DoB: Date of birth

Information [Type= discrete] [Format=character] [Missing=*]

Statistics [NW/ W] [Valid=9625395 /-]

DoD: Date of death

Information [Type= discrete] [Format=character] [Missing=*]

Statistics [NW/ W] [Valid=806043 /-]

MotherId: Mother's IndividualId

Information [Type= continuous] [Format=numeric] [Range= 8-263150] [Missing=*]

Statistics [NW/ W] [Valid=6719895 /-] [Invalid=2905524 /-] [Mean=155733.27 /-] [StdDev=66329.951 /-]

FatherId: Father's IndividualId

Information [Type= continuous] [Format=numeric] [Range= 49-263146] [Missing=*]

Statistics [NW/ W] [Valid=3546098 /-] [Invalid=6079321 /-] [Mean=164643.789 /-] [StdDev=59422.267 /-]

LocationId: Where individual was resident, household residence if non-resident

Information [Type= continuous] [Format=numeric] [Range= 0-37292] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-] [Mean=18502.824 /-] [StdDev=10754.704 /-]

HouseholdId: Unique household identifier of the household the individual is a member of

Information [Type= continuous] [Format=numeric] [Range= 1-41014] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-] [Mean=20441.1 /-] [StdDev=11779.675 /-]

HHRelationshipTypeId: Relationship to head of household

Information [Type= discrete] [Format=numeric] [Range= 1-12] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Head	1251887	13.0%
2	Spouse	478381	5.0%
3	Child	3286046	34.1%
4	Son/Daughter-inlaw	43451	0.5%
5	Grandchild	2144545	22.3%
6	Parent	68129	0.7%

File : SurveillanceEpisodesYrAgeDel_HSE_Labour_Partner_Parents_HIV

HHRelationshipTypeId: Relationship to head of household

Value	Label	Cases	Percentage
7	Parent-inlaw	2529	0.0%
8	Grandparent	11664	0.1%
9	Sibling	1627260	16.9%
10	Other relative	21202	0.2%
11	Domestic worker/tenant	502439	5.2%
12	Unrelated/Other	187886	2.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Resident: Whether individual is resident for duration of episode

Information	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	2798639	29.1%
1	Yes	6826780	70.9%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Episode: This episode number (first=1, last=Episodes)

Information	[Type= continuous] [Format=numeric] [Range= 1-154] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-] [Mean=29.213 /-] [StdDev=23.048 /-]

Episodes: Total number of episodes for individual

Information	[Type= continuous] [Format=numeric] [Range= 1-154] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-] [Mean=57.426 /-] [StdDev=27.739 /-]

StartDate: Start date of episode (inclusive)

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-]

EndDate: End date of episode (inclusive)

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-]

Days: Duration in days of episode

Information	[Type= continuous] [Format=numeric] [Range= 0-366] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-] [Mean=107.608 /-] [StdDev=85.587 /-]

CalendarYear: Calendar year during episode

Information	[Type= continuous] [Format=numeric] [Range= 2000-2024] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-] [Mean=2013.887 /-] [StdDev=7.293 /-]

Age: Age in completed years during episode

Information	[Type= continuous] [Format=numeric] [Range= 0-1499] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-] [Mean=25.7 /-] [StdDev=18.287 /-]

Born: Episode starts with the birth of the individual

Information	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
--------------------	---

File : SurveillanceEpisodesYrAgeDel_HSE_Labour_Partner_Parents_HIV

Born: Episode starts with the birth of the individual

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9575963	99.5%
1	Yes	49456	0.5%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Enumeration: Episode starts with an enumeration

Information [Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9486632	98.6%
1	Yes	138787	1.4%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

InMigration: Episode starts with an in-migration

Information [Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9467733	98.4%
1	Yes	157686	1.6%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

LocationEntry: Episode starts with an internal migration

Information [Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9572505	99.5%
1	Yes	52914	0.5%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

ExtResStart: Flag to indicate start of external residence

Information [Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9449335	98.2%
1	Yes	176084	1.8%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Participation: Resumed participation after refusal

Information [Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-]

File : SurveillanceEpisodesYrAgeDel_HSE_Labour_Partner_Parents_HIV

Participation: Resumed participation after refusal

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9625419	100.0%
1	Yes	0	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Died: Episode ends with the death of the individual

Information	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9597715	99.7%
1	Yes	27704	0.3%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

OutMigration: Episode ends with the out-migration

Information	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9401597	97.7%
1	Yes	223822	2.3%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

LocationExit: Episode ends with an internal migration

Information	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9572505	99.5%
1	Yes	52914	0.5%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

ExtResEnd: Flag to indicate end of external residence

Information	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9532118	99.0%
1	Yes	93301	1.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Refusal: Individual refused follow-up

Information	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-]

File : SurveillanceEpisodesYrAgeDel_HSE_Labour_Partner_Parents_HIV

Refusal: Individual refused follow-up

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9622703	100.0%
1	Yes	2716	0.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

LostToFollowUp: Individual was lost to follow-up at the end of the episode

Information	[Type= discrete] [Format=numeric] [Range= 0-1] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-]

Current: Individual still under surveillance

Information	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9466215	98.3%
1	Yes	159204	1.7%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

HHRelationship: Relationship to head of household changed during this episode

Information	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9555622	99.3%
1	Yes	69797	0.7%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

MembershipStart: Flag to indicate start of household membership

Information	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9280180	96.4%
1	Yes	345239	3.6%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

MembershipEnd: Flag to indicate end of household membership

Information	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9280180	96.4%
1	Yes	345239	3.6%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

File : SurveillanceEpisodesYrAgeDel_HSE_Labour_Partner_Parents_HIV

GapStart: Start of a gap in individual exposure record

Information [Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9610587	99.8%
1	Yes	14832	0.2%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

GapEnd: End of gap in individual exposure record

Information [Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9610587	99.8%
1	Yes	14832	0.2%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

AgeChange: Flag age changed

Information [Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	6805497	70.7%
1	Yes	2819922	29.3%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

YrChange: Flag calendar year changed

Information [Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	6931646	72.0%
1	Yes	2693773	28.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Memberships: Number of concurrent household memberships

Information [Type= continuous] [Format=numeric] [Range= 1-28] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-] [Mean=1.073 /-] [StdDev=0.279 /-]

EducationStatus: Education level achieved during this calendar year

Information [Type= discrete] [Format=numeric] [Range= -1-99] [Missing=*]

Statistics [NW/ W] [Valid=7362196 /-] [Invalid=2263223 /-]

Value	Label	Cases	Percentage
-1	Unknown	122614	1.7%
0	Grade 0	99318	1.3%

File : SurveillanceEpisodesYrAgeDel_HSE_Labour_Partner_Parents_HIV

EducationStatus: Education level achieved during this calendar year

Value	Label	Cases	Percentage
1	Grade 1	206246	2.8%
2	Grade 2	266554	3.6%
3	Grade 3	272874	3.7%
4	Grade 4	354030	4.8%
5	Grade 5	266882	3.6%
6	Grade 6	292948	4.0%
7	Grade 7	397364	5.4%
8	Grade 8	401091	5.4%
9	Grade 9	394962	5.4%
10	Grade 10	629828	8.6%
11	Grade 11	657163	8.9%
12	Grade 12	2465238	33.5%
13	Special School	0	
21	Higher Certificate	0	
22	National Diploma	0	
23	Degree	0	
24	Honours	0	
25	Masters	0	
26	Doctors	0	
31	ABET 1	0	
32	ABET 2	0	
33	ABET 3	0	
34	ABET 4	0	
41	FET 1	0	
42	FET 2	0	
43	FET 3	0	
50	LT 1 year	0	
51	Creche	0	
96	Refused	0	
97	NAD	0	
98	No education	535084	7.3%
99	Not attending	0	
Sysmiss		2263223	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

ChildrenBorn: Number of babies delivered at start of episode

Value	Label	Cases	Percentage
0	None	9580570	99.5%
1	Singleton	44162	0.5%
2	Twin	676	0.0%
3	Triplet	9	0.0%
4	Quadruplet	2	0.0%

File : SurveillanceEpisodesYrAgeDel_HSE_Labour_Partner_Parents_HIV

ChildrenBorn: Number of babies delivered at start of episode

Value	Label	Cases	Percentage
5	Quintuplets	0	
6	Sextuplets	0	
7	Septuplets	0	
8	Octuplets	0	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

ChildrenEverBorn: Number of children ever born to individual

Information	[Type= discrete] [Format=numeric] [Range= 0-16] [Missing=*]
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-]

ObservationId: Link to HouseholdObservations & HouseholdSocioEconomicStatus

Information	[Type= continuous] [Format=numeric] [Range= 1-290708] [Missing=*]
Statistics [NW/ W]	[Valid=7919696 /-] [Invalid=1705723 /-] [Mean=161850.793 /-] [StdDev=75472.377 /-]

HouseholdStatusChange: Change in household socio-economic status

Information	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
Statistics [NW/ W]	[Valid=8242752 /-] [Invalid=1382667 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	5906980	71.7%
1	Yes	2335772	28.3%
Sysmiss		1382667	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

EmploymentStatus: Employment Status

Information	[Type= discrete] [Format=numeric] [Range= 0-15] [Missing=*]
Statistics [NW/ W]	[Valid=4545628 /-] [Invalid=5079791 /-]

Value	Label	Cases	Percentage
0	Missing/Refused	0	
1	Employed	1432144	31.5%
2	Part-time	229420	5.0%
13	Education	445383	9.8%
15	Unemployed	2438681	53.6%
Sysmiss		5079791	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

EmploymentStatusChange: Flag to indicate change in employment status

Information	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
Statistics [NW/ W]	[Valid=5083969 /-] [Invalid=4541450 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	4657005	91.6%
1	Yes	426964	8.4%
Sysmiss		4541450	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

File : SurveillanceEpisodesYrAgeDel_HSE_Labour_Partner_Parents_HIV

PartnerStatus: Partner Status

Information [Type= discrete] [Format=numeric] [Range= 0-5] [Missing=*]

Statistics [NW/ W] [Valid=6052522 /-] [Invalid=3572897 /-]

Value	Label	Cases	Percentage
0	Missing/Refused	0	
1	No partner	1733934	28.6%
2	Married	802061	13.3%
3	Regular	3035894	50.2%
4	Casual	167520	2.8%
5	Widowed/Separated	313113	5.2%
Systemmiss		3572897	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

PartnerStatusChange: Flag to indicate change in partnership status

Information [Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]

Statistics [NW/ W] [Valid=6177174 /-] [Invalid=3448245 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	5582372	90.4%
1	Yes	594802	9.6%
Systemmiss		3448245	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

MotherDead: Mother is dead

Information [Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown	1601147	16.6%
0	No	5618314	58.4%
1	Yes	2405958	25.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

MotherCoresident: Mother is co-resident

Information [Type= discrete] [Format=numeric] [Range= -1-2] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown	1618768	16.8%
0	No	2836518	29.5%
1	Non-resident member	907864	9.4%
2	Resident member	4262269	44.3%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

FatherDead: Father is dead

Information [Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]

Statistics [NW/ W] [Valid=9625419 /-] [Invalid=0 /-]

File : SurveillanceEpisodesYrAgeDel_HSE_Labour_Partner_Parents_HIV

FatherDead: Father is dead

Value	Label	Cases	Percentage
-1	Unknown	2762839	28.7%
0	No	2576767	26.8%
1	Yes	4285813	44.5%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

# FatherCoresident: Father is co-resident			
Information	[Type= discrete] [Format=numeric] [Range= -1-2] [Missing=*]		
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-]		
Value	Label	Cases	Percentage
-1	Unknown	2817705	29.3%
0	No	4599057	47.8%
1	Non-resident member	798364	8.3%
2	Resident member	1410293	14.7%
<i>Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.</i>			
# ParentalStatusChange: Change in parental status			
Information	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]		
Statistics [NW/ W]	[Valid=9625419 /-] [Invalid=0 /-]		
Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9094746	94.5%
1	Yes	530673	5.5%
<i>Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.</i>			
# HIVStatus: HIV status during this episode			
Information	[Type= discrete] [Format=numeric] [Range= 0-9] [Missing=*]		
Statistics [NW/ W]	[Valid=4653761 /-] [Invalid=4971658 /-]		
Value	Label	Cases	Percentage
0	Unknown	0	
1	Pre-negative	1511326	32.5%
2	Negative	839087	18.0%
3	Post-negative	1166115	25.1%
4	Pre-positive	405732	8.7%
5	Positive	724337	15.6%
9	Error	7164	0.2%
Sysmiss		4971658	
<i>Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.</i>			
# HIVStatusChange: HIV Status changed during at the start of this episode			
Information	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]		
Statistics [NW/ W]	[Valid=4653761 /-] [Invalid=4971658 /-]		
Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	4462760	95.9%
1	Yes	191001	4.1%
Sysmiss		4971658	
<i>Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.</i>			
# HIVSeroconversion: Individual seroconverted at the start of this episode			
Information	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]		
Statistics [NW/ W]	[Valid=4653761 /-] [Invalid=4971658 /-]		
Value	Label	Cases	Percentage
-1	Unknown/Missing	0	

HIVSeroconversion: Individual seroconverted at the start of this episode

Value	Label	Cases	Percentage
0	No	4648407	99.9%
1	Yes	5354	0.1%
Sysmiss		4971658	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.