

# South Africa - AHRI.Surveillance Episodes Year Age HIV

**Nompumelelo Mkwazi**

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Visit our data catalog at: <https://data.ahri.org/index.php>

## Identification

### SURVEY ID NUMBER

AHRI.SurveillanceEpisodesYrAge.HIV

### TITLE

AHRI.Surveillance Episodes Year Age HIV

### COUNTRY

Name	Country code
South Africa	ZA

### 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  
 SurveillanceEpisodesYrAge  
 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

## Version

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## VERSION DESCRIPTION

v2.0.0

## Scope

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## TOPICS

Topic	Vocabulary	URI
Surveillance Episodes YrAge_HIV	Africa Health Research Institute	www.ahri.org

## KEYWORDS

Keyword	Vocabulary	URI
Fertility, Mortality, Migration, Social-economic status, HIV, ART	Africa Health Research Institute	www.ahri.org

## Coverage

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## 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 845km<sup>2</sup> 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 and sponsors

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## PRIMARY INVESTIGATORS

Name	Affiliation
Dr Kobus Herbst	AHRI, SAPRIN

Dr Guy Harling	AHRI
Dr Mark Siedner	AHRI
Prof Willem Hanekom	AHRI

## PRODUCERS

Name	Abbreviation
Africa Health Research Institute	AHRI

## FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
Wellcome Trust	WT	Core funding
SAPRIN	SAPRIN	

## OTHER IDENTIFICATIONS/ACKNOWLEDGMENTS

Name	Affiliation	Role
AHRI Research Data Management Team	AHRI	Research Data Management
AHRI Data Collection Team	AHRI	Data Collection
AHRI Community Engagement Team	AHRI	Community Engagement

## Sampling

## SAMPLING PROCEDURE

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

## Data collection

## DATES OF DATA COLLECTION

Start	End
2000-01-01	2024-12-31

## Data Processing

## DATA EDITING

Data collected in this study was centrally stored on AHRI's secure database servers. Data was collected through interviews at the call centre on central server using Survey Solutions, and in the field on paper and encrypted tablet computers using REDCap, and then securely uploaded to a central server. Database rules and constraints were enforced on the master database to ensure that only valid data was stored. Personally identifiable data was restricted to separate database tables accessible only to data management staff .

## Access policy

## 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 Year Age HIV [Data set]. Africa Health Research Institute.

DOI:<https://doi.org/10.23664/AHRI.SURVEILLANCEEPISODESYRAGE.HIV>

## Metadata production

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#### DDI DOCUMENT ID

DDI.AHRI.SurveillanceEpisodesYrAge.HIV

#### PRODUCERS

Name	Abbreviation
Africa Health Research Institute	AHRI

**Data Dictionary**

Data file	Cases	Variables
SurveillanceEpisodesYrAge_HIV	6155819	43



**Data file: SurveillanceEpisodesYrAge\_HIV**

Cases: 6155819

Variables: 43

**Variables**

ID	Name	Label	Question
V438	IndividualId	Unique individual identifier	
V439	Sex	Sex of individual	
V440	DoB	Date of birth	
V441	DoD	Date of death	
V442	MotherId	Mother's IndividualId	
V443	FatherId	Father's IndividualId	
V444	LocationId	Where individual was resident, household residence if non-resident	
V445	HouseholdId	Unique household identifier of the household the individual is a member of	
V446	HHRelationshipTypeId	Relationship to head of household	
V447	Resident	Whether individual is resident for duration of episode	
V448	Episode	This episode number (first=1, last=Episodes)	
V449	Episodes	Total number of episodes for individual	
V450	StartDate	Start date of episode (inclusive)	
V451	EndDate	End date of episode (inclusive)	
V452	Days	Duration in days of episode	
V453	CalendarYear	Calendar year during episode	
V454	Age	Age in completed years during episode	
V455	Born	Episode starts with the birth of the individual	
V456	Enumeration	Episode starts with an enumeration	
V457	InMigration	Episode starts with an in-migration	
V458	LocationEntry	Episode starts with an internal migration	
V459	ExtResStart	Flag to indicate start of external residence	
V460	Participation	Resumed participation after refusal	
V461	Died	Episode ends with the death of the individual	
V462	OutMigration	Episode ends with the out-migration	
V463	LocationExit	Episode ends with an internal migration	
V464	ExtResEnd	Flag to indicate end of external residence	
V465	Refusal	Individual refused follow-up	
V466	LostToFollowUp	Individual was lost to follow-up at the end of the episode	
V467	Current	Individual still under surveillance	
V468	HHRelationship	Relationship to head of household changed during this episode	
V469	MembershipStart	Flag to indicate start of household membership	
V470	MembershipEnd	Flag to indicate end of household membership	
V471	GapStart	Start of a gap in individual exposure record	
V472	GapEnd	End of gap in individual exposure record	
V473	AgeChange	Flag age changed	
V474	YrChange	Flag calendar year changed	
V475	Memberships	Number of concurrent household memberships	

ID	Name	Label	Question
V476	EducationStatus	Education level achieved during this calendar year	
V477	HIVStatus	HIV status during this episode	
V478	HIVStatusChange	HIV Status changed at the start of this episode	
V479	HIVSeroconversion	Individual seroconverted at the start of this episode	
V480	AgeGroup	Age group during episode	

Total: 43



**INDIVIDUALID: Unique individual identifier****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819 Invalid: 0 Minimum: 1 Maximum: 263153 Mean: 118282.866 Standard deviation: 77565.979

Type: Continuous Decimal: 0 Width: 9 Range: 1 - 263153 Format: Numeric

**SEX: Sex of individual****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		58	0%
1	Male	2902484	47.2%
2	Female	3253277	52.8%
3	Unknown	0	0%

**DOB: Date of birth****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155804 Minimum: 1793-01-01 Maximum: 2024-12-31

Type: Discrete Width: 11 Range: - Format: character

**DOD: Date of death****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 515614 Minimum: 2000-01-01 Maximum: 2025-10-03

Type: Discrete Width: 11 Range: - Format: character

**MOTHERID: Mother's IndividualId****Data file: SurveillanceEpisodesYrAge\_HIV**

**Overview**

Valid: 4272046 Invalid: 1883773 Minimum: 8 Maximum: 263150 Mean: 155173.952 Standard deviation: 66644.67  
 Type: Continuous Decimal: 0 Width: 9 Range: 8 - 263150 Format: Numeric

---

**FATHERID: Father's IndividualId**

Data file: SurveillanceEpisodesYrAge\_HIV

**Overview**

Valid: 2235102 Invalid: 3920717 Minimum: 49 Maximum: 263146 Mean: 164352.865 Standard deviation: 59651.821  
 Type: Continuous Decimal: 0 Width: 9 Range: 49 - 263146 Format: Numeric

---

**LOCATIONID: Where individual was resident, household residence if non-resident**

Data file: SurveillanceEpisodesYrAge\_HIV

**Overview**

Valid: 6155819 Invalid: 0 Minimum: 0 Maximum: 37292 Mean: 18490.858 Standard deviation: 10755.466  
 Type: Continuous Decimal: 0 Width: 9 Range: 0 - 37292 Format: Numeric

---

**HOUSEHOLDID: Unique household identifier of the household the individual is a member of**

Data file: SurveillanceEpisodesYrAge\_HIV

**Overview**

Valid: 6155819 Invalid: 0 Minimum: 1 Maximum: 41014 Mean: 20449.853 Standard deviation: 11782.621  
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 41014 Format: Numeric

---

**HHRELATIONSHIPTYPEID: Relationship to head of household**

Data file: SurveillanceEpisodesYrAge\_HIV

**Overview**

Valid: 6155819 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 22 Range: 1 - 12 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Head	802929	13%
2	Spouse	313170	5.1%
3	Child	2056707	33.4%
4	Son/Daughter-inlaw	27334	0.4%

5	Grandchild	1391501	22.6%
6	Parent	44653	0.7%
7	Parent-inlaw	1612	0%
8	Grandparent	7651	0.1%
9	Sibling	1030414	16.7%
10	Other relative	13311	0.2%
11	Domestic worker/tenant	325178	5.3%
12	Unrelated/Other	141359	2.3%

## RESIDENT: Whether individual is resident for duration of episode

Data file: SurveillanceEpisodesYrAge\_HIV

### Overview

Valid: 6155819 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 15 Range: -1 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	1740302	28.3%
1	Yes	4415517	71.7%

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

Data file: SurveillanceEpisodesYrAge\_HIV

### Overview

Valid: 6155819 Invalid: 0 Minimum: 1 Maximum: 69 Mean: 18.491 Standard deviation: 14.216  
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 69 Format: Numeric

## EPISODES: Total number of episodes for individual

Data file: SurveillanceEpisodesYrAge\_HIV

### Overview

Valid: 6155819 Invalid: 0 Minimum: 1 Maximum: 69 Mean: 35.981 Standard deviation: 16.818  
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 69 Format: Numeric

**STARTDATE: Start date of episode (inclusive)****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819    Minimum: 2000-01-01    Maximum: 2024-12-31  
 Type: Discrete    Width: 11    Range: -    Format: character

---

**ENDDATE: End date of episode (inclusive)****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819    Minimum: 2000-01-01    Maximum: 2024-12-31  
 Type: Discrete    Width: 11    Range: -    Format: character

---

**DAYS: Duration in days of episode****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819    Invalid: 0    Minimum: 0    Maximum: 366    Mean: 168.26    Standard deviation: 105.355  
 Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 366    Format: Numeric

---

**CALENDARYEAR: Calendar year during episode****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819    Invalid: 0    Minimum: 2000    Maximum: 2024    Mean: 2013.516    Standard deviation: 7.291  
 Type: Continuous    Decimal: 0    Width: 9    Range: 2000 - 2024    Format: Numeric

---

**AGE: Age in completed years during episode****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819    Invalid: 0    Minimum: 0    Maximum: 1499    Mean: 25.196    Standard deviation: 18.553  
 Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 1499    Format: Numeric

---

**BORN: Episode starts with the birth of the individual****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 15    Range: -1 - 1    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	6106363	99.2%
1	Yes	49456	0.8%

### ENUMERATION: Episode starts with an enumeration

Data file: SurveillanceEpisodesYrAge\_HIV

#### Overview

Valid: 6155819 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 15 Range: -1 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	6017032	97.7%
1	Yes	138787	2.3%

### INMIGRATION: Episode starts with an in-migration

Data file: SurveillanceEpisodesYrAge\_HIV

#### Overview

Valid: 6155819 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 15 Range: -1 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	5998133	97.4%
1	Yes	157686	2.6%

**LOCATIONENTRY: Episode starts with an internal migration****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 15 Range: -1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	6102905	99.1%
1	Yes	52914	0.9%

**EXTRESSTART: Flag to indicate start of external residence****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 15 Range: -1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	5979735	97.1%
1	Yes	176084	2.9%

**PARTICIPATION: Resumed participation after refusal****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 15 Range: -1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%

0	No	6155819	100%
1	Yes	0	0%

### DIED: Episode ends with the death of the individual

Data file: SurveillanceEpisodesYrAge\_HIV

#### Overview

Valid: 6155819 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 15 Range: -1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	6128115	99.5%
1	Yes	27704	0.5%

### OUTMIGRATION: Episode ends with the out-migration

Data file: SurveillanceEpisodesYrAge\_HIV

#### Overview

Valid: 6155819 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 15 Range: -1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	5931997	96.4%
1	Yes	223822	3.6%

### LOCATIONEXIT: Episode ends with an internal migration

Data file: SurveillanceEpisodesYrAge\_HIV

#### Overview

Valid: 6155819 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 15 Range: -1 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	6102905	99.1%
1	Yes	52914	0.9%

### EXTRESEND: Flag to indicate end of external residence

Data file: SurveillanceEpisodesYrAge\_HIV

#### Overview

Valid: 6155819 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 15 Range: -1 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	6062518	98.5%
1	Yes	93301	1.5%

### REFUSAL: Individual refused follow-up

Data file: SurveillanceEpisodesYrAge\_HIV

#### Overview

Valid: 6155819 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 15 Range: -1 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	6153103	100%
1	Yes	2716	0%

**LOSTTOFOLLOWUP: Individual was lost to follow-up at the end of the episode****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 15    Range: 0 - 1    Format: Numeric

**CURRENT: Individual still under surveillance****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 15    Range: -1 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	5996615	97.4%
1	Yes	159204	2.6%

**HHRELATIONSHIP: Relationship to head of household changed during this episode****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 15    Range: -1 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	6086023	98.9%
1	Yes	69796	1.1%

**MEMBERSHIPSTART: Flag to indicate start of household membership****Data file: SurveillanceEpisodesYrAge\_HIV**

**Overview**

Valid: 6155819 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 15 Range: -1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	5810580	94.4%
1	Yes	345239	5.6%

**MEMBERSHIPEND: Flag to indicate end of household membership**

Data file: SurveillanceEpisodesYrAge\_HIV

**Overview**

Valid: 6155819 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 15 Range: -1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	5810580	94.4%
1	Yes	345239	5.6%

**GAPSTART: Start of a gap in individual exposure record**

Data file: SurveillanceEpisodesYrAge\_HIV

**Overview**

Valid: 6155819 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 15 Range: -1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	6140987	99.8%
1	Yes	14832	0.2%

**GAPEND: End of gap in individual exposure record****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 15    Range: -1 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	6140987	99.8%
1	Yes	14832	0.2%

**AGECHANGE: Flag age changed****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 15    Range: -1 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	3335897	54.2%
1	Yes	2819922	45.8%

**YRCHANGE: Flag calendar year changed****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 15    Range: -1 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	3462046	56.2%
1	Yes	2693773	43.8%

## MEMBERSHIPS: Number of concurrent household memberships

Data file: SurveillanceEpisodesYrAge\_HIV

### Overview

Valid: 6155819 Invalid: 0 Minimum: 1 Maximum: 28 Mean: 1.069 Standard deviation: 0.271  
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 28 Format: Numeric

## EDUCATIONSTATUS: Education level achieved during this calendar year

Data file: SurveillanceEpisodesYrAge\_HIV

### Overview

Valid: 4554081 Invalid: 1601738  
 Type: Discrete Decimal: 0 Width: 18 Range: -1 - 99 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-1	Unknown	77632	1.7%
0	Grade 0	66237	1.5%
1	Grade 1	137921	3%
2	Grade 2	179978	4%
3	Grade 3	182512	4%
4	Grade 4	233948	5.1%
5	Grade 5	174015	3.8%
6	Grade 6	189195	4.2%
7	Grade 7	252700	5.5%
8	Grade 8	251923	5.5%
9	Grade 9	241968	5.3%
10	Grade 10	379926	8.3%
11	Grade 11	387258	8.5%
12	Grade 12	1448634	31.8%
13	Special School	0	0%
21	Higher Certificate	0	0%
22	National Diploma	0	0%

23	Degree	0	0%
24	Honours	0	0%
25	Masters	0	0%
26	Doctors	0	0%
31	ABET 1	0	0%
32	ABET 2	0	0%
33	ABET 3	0	0%
34	ABET 4	0	0%
41	FET 1	0	0%
42	FET 2	0	0%
43	FET 3	0	0%
50	LT 1 year	0	0%
51	Creche	0	0%
96	Refused	0	0%
97	NAD	0	0%
98	No education	350234	7.7%
99	Not attending	0	0%
Sysmiss		1601738	

## HIVSTATUS: HIV status during this episode

Data file: SurveillanceEpisodesYrAge\_HIV

### Overview

Valid: 2931263 Invalid: 3224556

Type: Discrete Decimal: 0 Width: 13 Range: 0 - 9 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	Unknown	0	0%
1	Pre-negative	1024099	34.9%
2	Negative	522043	17.8%
3	Post-negative	682357	23.3%
4	Pre-positive	264162	9%
5	Positive	433920	14.8%
9	Error	4682	0.2%
Sysmiss		3224556	

**HIVSTATUSCHANGE: HIV Status changed at the start of this episode****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 2931263 Invalid: 3224556  
 Type: Discrete Decimal: 0 Width: 15 Range: -1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	2740262	93.5%
1	Yes	191001	6.5%
Sysmiss		3224556	

**HIVSEROCONVERSION: Individual seroconverted at the start of this episode****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 2931263 Invalid: 3224556  
 Type: Discrete Decimal: 0 Width: 15 Range: -1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	Unknown/Missing	0	0%
0	No	2925909	99.8%
1	Yes	5354	0.2%
Sysmiss		3224556	

**AGEGROUP: Age group during episode****Data file: SurveillanceEpisodesYrAge\_HIV****Overview**

Valid: 6155819 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 9 Range: 0 - 18 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	<1	115523	1.9%
1	01-04	521535	8.5%
2	05-09	692124	11.2%
3	10-14	697451	11.3%
4	15-19	733485	11.9%
5	20-24	696219	11.3%
6	25-29	612593	10%
7	30-34	495822	8.1%
8	35-39	383060	6.2%
9	40-44	286453	4.7%
10	45-49	223181	3.6%
11	50-54	178202	2.9%
12	55-59	146180	2.4%
13	60-64	118901	1.9%
14	65-69	88110	1.4%
15	70-74	64700	1.1%
16	75-79	44434	0.7%
17	80-84	29530	0.5%
18	85+	28316	0.5%

## Download related resources

### Technical documents

#### DDI:Surveillance Episodes Year Age HIV

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Title	DDI:Surveillance Episodes Year Age HIV
Author(s)	Nompumelelo Mkwanazi
Date	2026-02-20
Country	South Africa
Language	English
Publisher(s)	Nompumelelo Mkwanazi
Filename	Surveillance Episodes Year Age HIV.pdf

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