

South Africa - AHRI.Surveillance Episodes Year Age Dataset 2023

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

Identification

SURVEY ID NUMBER

AHRI.SEYA2023.v1

TITLE

AHRI.Surveillance Episodes Year Age Dataset 2023

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.

There are four versions of the Demographic surveillance datasets:

1. SurveillanceEpisodesBasic
2. SurveillanceEpisodesBasicYrAge
3. SurveillanceEpisodesBasicHIV
4. SurveillanceEpisodesYrAgeDelivery

The definitions of the SurveillanceEpisodes vary slightly between the four versions. All SurveillanceEpisodesBasic are specific to a) individual b) residency type except that a new episode starts if the age changes (SurveillanceEpisodes BasicYrAge), HIV status changes (SurveillanceEpisodesBasicHIV). The SurveillanceEpisodesBasic datasets contain specific variables in addition to the minimum variables that each dataset has. For instance, SurveillanceEpisodesBasicHIV contains all HIV related variables in addition to the basic minimum variables that all surveillance episodes contain. Causes and likelihood of deaths from InterVA 5 are also included. Table 1 below describes the seven Demographic surveillance datasets.

KIND OF DATA

Event History Data

UNIT OF ANALYSIS

Episodes of exposure

Version

VERSION DESCRIPTION

v1.0.0

Scope

TOPICS

| Topic | Vocabulary | URI |
|--------------------------------------|----------------------------------|--------------|
| Surveillance Episodes Basic Year Age | 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

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 from portions where the KwaMsane township strangles the highway) and in the north by the provincial road R22. The surveillance area is approximately 850km² 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

PRIMARY INVESTIGATORS

| Name | Affiliation |
|----------------|--------------|
| Kobus Herbst | AHRI, SAPRIN |
| Guy Harling | AHRI |
| Mark Siedner | AHRI |
| Willem Hanekom | AHRI |

PRODUCERS

| Name |
|----------------------------------|
| Africa Health Research Institute |

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 | 2023-07-31 |

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.

CITATION REQUIREMENTS

Herbst, K., Harling, G., Siedner, M., & Hanekom, W. (2023). AHRI.Surveillance Episodes Year Age Dataset 2023 (Version 1) [Data set]. Africa Health Research Institute. DOI:<https://doi.org/10.23664/AHRI.SEYA2023>

Metadata production

DDI DOCUMENT ID

DDI.AHRI.SEYA2023.v1

PRODUCERS

| Name | Abbreviation |
|----------------------------------|--------------|
| Africa Health Research Institute | AHRI |

Data Dictionary

| Data file | Cases | Variables |
|----------------------------------|--------------|------------------|
| SurveillanceEpisodesYrAge | 5556818 | 37 |

Data file: SurveillanceEpisodesYrAge

Cases: 5556818

Variables: 37

Variables

| ID | Name | Label | Question |
|-----|-----------------|--|----------|
| V1 | IntId | Unique PIP internal individual identifier | |
| V2 | CalendarYear | The calendar year in which the episode false | |
| V3 | Age | The age in completed years of the individual | |
| V4 | Resident | Whether individual is resident for duration of episode | |
| V5 | LocationId | Where individual was resident, household residence if non-resident | |
| V6 | HouseholdId | Unique household identifier of the household the individual is a member of | |
| V7 | Sex | Sex of individual | |
| V8 | DoB | Date of birth | |
| V9 | DoD | Date of death | |
| V10 | MotherId | Mother's IndividualId | |
| V11 | FatherId | Father's IndividualId | |
| V12 | StartDate | Start date of episode (inclusive) | |
| V13 | EndDate | End date of episode (inclusive) | |
| V14 | Days | Duration in days of episode | |
| V15 | Born | Episode starts with the birth of the individual | |
| V16 | Enumeration | Episode starts with an enumeration | |
| V17 | InMigration | Episode starts with an in-migration | |
| V18 | LocationEntry | Episode starts with an internal migration | |
| V19 | ExtResStart | Flag to indicate start of external residence | |
| V20 | Participation | Resume participation after refusal | |
| V21 | Died | Episode ends with the death of the individual | |
| V22 | OutMigration | Episode ends with the out-migration | |
| V23 | LocationExit | Episode ends with an internal migration | |
| V24 | ExtResEnd | Flag to indicate end of external residence | |
| V25 | Refusal | Individual refused follow-up | |
| V26 | LostToFollowUp | Individual was lost to follow-up at the end of the episode | |
| V27 | Current | Individual still under surveillance | |
| V28 | MembershipStart | Flag to indicate start of household membership | |
| V29 | MembershipEnd | Flag to indicate end of household membership | |
| V30 | Memberships | Number of concurrent household memberships | |
| V31 | Gap | Gap in individual exposure record | |
| V32 | YrStart | Flag episode start due to calendar year change | |
| V33 | YrEnd | Flag episode end due to calendar year change | |
| V34 | AgeStart | Flag episode start due to age change | |
| V35 | AgeEnd | Flag episode end due to age change | |
| V36 | Episode | This episode number (first=1, last=Episodes) | |
| V37 | Episodes | Total number of episodes for individual | |

Total: 37

IINTID: Unique PIP internal individual identifier**Data file: SurveillanceEpisodesYrAge****Overview**

Valid: 5556818 Invalid: 0 Minimum: 11 Maximum: 271715 Mean: 105905.109 Standard deviation: 71743.274

Type: Continuous Decimal: 0 Width: 12 Range: 11 - 271715 Format: Numeric

MOTHERID: Mother's IndividualId**Data file: SurveillanceEpisodesYrAge****Overview**

Valid: 3853786 Invalid: 1703032 Minimum: 12 Maximum: 271612 Mean: 78213.08 Standard deviation: 62487.188

Type: Continuous Decimal: 0 Width: 12 Range: 12 - 271612 Format: Numeric

CALENDARYEAR: The calendar year in which the episode false**Data file: SurveillanceEpisodesYrAge****Overview**

Valid: 5556818 Invalid: 0 Minimum: 2000 Maximum: 2023 Mean: 2012.643 Standard deviation: 6.963

Type: Continuous Decimal: 0 Width: 12 Range: 2000 - 2023 Format: Numeric

AGE: The age in completed years of the individual**Data file: SurveillanceEpisodesYrAge****Overview**

Valid: 5556818 Invalid: 0 Minimum: 0 Maximum: 122 Mean: 24.813 Standard deviation: 18.273

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 122 Format: Numeric

RESIDENT: Whether individual is resident for duration of episode**Data file: SurveillanceEpisodesYrAge****Overview**

Valid: 5556818 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 | 1603781 | 28.9% |
| 1 | Yes | 3953037 | 71.1% |

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

Data file: SurveillanceEpisodesYrAge

Overview

Valid: 5556818 Invalid: 0 Minimum: 0 Maximum: 354564 Mean: 13361.965 Standard deviation: 27643.063

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 354564 Format: Numeric

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

Data file: SurveillanceEpisodesYrAge

Overview

Valid: 5556818 Invalid: 0 Minimum: 11 Maximum: 46662 Mean: 14252.452 Standard deviation: 12653.171

Type: Continuous Decimal: 0 Width: 12 Range: 11 - 46662 Format: Numeric

SEX: Sex of individual

Data file: SurveillanceEpisodesYrAge

Overview

Valid: 5556818 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 3 Format: Numeric

Questions and instructions

CATEGORIES

| Value | Category | Cases | |
|-------|----------|---------|-------|
| 1 | Male | 2629382 | 47.3% |
| 2 | Female | 2927432 | 52.7% |
| 3 | Unknown | 4 | 0% |

DOB: Date of birth

Data file: SurveillanceEpisodesYrAge

Overview

Valid: 5556818 Minimum: 1890-01-01 Maximum: 2023-07-19

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

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

Valid: 430435 Minimum: 2000-01-01 Maximum: 2023-07-27
Type: Discrete Width: 11 Range: - Format: character

FATHERID: Father's IndividualId**Data file: SurveillanceEpisodesYrAge****Overview**

Valid: 2039522 Invalid: 3517296 Minimum: 11 Maximum: 271324 Mean: 68395.268 Standard deviation: 57217.171
Type: Continuous Decimal: 0 Width: 12 Range: 11 - 271324 Format: Numeric

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

Valid: 5556818 Minimum: 2000-01-01 Maximum: 2023-07-31
Type: Discrete Width: 11 Range: - Format: character

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

Valid: 5556818 Minimum: 2000-01-01 Maximum: 2023-07-31
Type: Discrete Width: 11 Range: - Format: character

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

Valid: 5556818 Invalid: 0 Minimum: 1 Maximum: 366 Mean: 167.808 Standard deviation: 105.465
Type: Continuous Decimal: 0 Width: 12 Range: 1 - 366 Format: Numeric

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

Overview

Valid: 5556818 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 | 5510691 | 99.2% |
| 1 | Yes | 46127 | 0.8% |

ENUMERATION: Episode starts with an enumeration

Data file: SurveillanceEpisodesYrAge

Overview

Valid: 5556818 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 | 5418509 | 97.5% |
| 1 | Yes | 138309 | 2.5% |

INMIGRATION: Episode starts with an in-migration

Data file: SurveillanceEpisodesYrAge

Overview

Valid: 5556818 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 | 5409161 | 97.3% |
| 1 | Yes | 147657 | 2.7% |

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

Valid: 5556818 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 | 5499187 | 99% |
| 1 | Yes | 57631 | 1% |

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

Valid: 5556818 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 | 5393968 | 97.1% |
| 1 | Yes | 162850 | 2.9% |

PARTICIPATION: Resume participation after refusal**Data file:** SurveillanceEpisodesYrAge**Overview**

Valid: 5556818 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 | 5556814 | 100% |
| 1 | Yes | 4 | 0% |

DIED: Episode ends with the death of the individual

Data file: SurveillanceEpisodesYrAge

Overview

Valid: 5556818 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 | 5530927 | 99.5% |
| 1 | Yes | 25891 | 0.5% |

OUTMIGRATION: Episode ends with the out-migration

Data file: SurveillanceEpisodesYrAge

Overview

Valid: 5556818 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 | 5385863 | 96.9% |
| 1 | Yes | 170955 | 3.1% |

LOCATIONEXIT: Episode ends with an internal migration

Data file: SurveillanceEpisodesYrAge

Overview

Valid: 5556818 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 | 5499177 | 99% |
| 1 | Yes | 57641 | 1% |

EXTRESEND: Flag to indicate end of external residence

Data file: SurveillanceEpisodesYrAge

Overview

Valid: 5556818 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 | 5428295 | 97.7% |
| 1 | Yes | 128523 | 2.3% |

REFUSAL: Individual refused follow-up

Data file: SurveillanceEpisodesYrAge

Overview

Valid: 5556818 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 | 5553421 | 99.9% |
| 1 | Yes | 3397 | 0.1% |

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

Valid: 5556818 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 | 5540326 | 99.7% |
| 1 | Yes | 16492 | 0.3% |

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

Valid: 5556818 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 | 5403537 | 97.2% |
| 1 | Yes | 153281 | 2.8% |

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

Valid: 5556818 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 | 5222593 | 94% |
| 1 | Yes | 334225 | 6% |

MEMBERSHIPEND: Flag to indicate end of household membership

Data file: SurveillanceEpisodesYrAge

Overview

Valid: 5556818 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 | 5375308 | 96.7% |
| 1 | Yes | 181510 | 3.3% |

MEMBERSHIPS: Number of concurrent household memberships

Data file: SurveillanceEpisodesYrAge

Overview

Valid: 5556818 Invalid: 0
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 10 Format: Numeric

GAP: Gap in individual exposure record

Data file: SurveillanceEpisodesYrAge

Overview

Valid: 5556818 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 | 5542177 | 99.7% |
| 1 | Yes | 14641 | 0.3% |

YRSTART: Flag episode start due to calendar year change**Data file: SurveillanceEpisodesYrAge****Overview**

Valid: 5556818 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 | 3052072 | 54.9% |
| 1 | Yes | 2504746 | 45.1% |

YREND: Flag episode end due to calendar year change**Data file: SurveillanceEpisodesYrAge****Overview**

Valid: 5556818 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 | 3052072 | 54.9% |
| 1 | Yes | 2504746 | 45.1% |

AGESTART: Flag episode start due to age change**Data file: SurveillanceEpisodesYrAge****Overview**

Valid: 5556818 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 | 2969830 | 53.4% |
| 1 | Yes | 2586988 | 46.6% |

AGEEND: Flag episode end due to age change

Data file: SurveillanceEpisodesYrAge

Overview

Valid: 5556818 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 | 3015957 | 54.3% |
| 1 | Yes | 2540861 | 45.7% |

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

Data file: SurveillanceEpisodesYrAge

Overview

Valid: 5556818 Invalid: 0 Minimum: 1 Maximum: 67 Mean: 17.38 Standard deviation: 13.315
 Type: Continuous Decimal: 0 Width: 12 Range: 1 - 67 Format: Numeric

EPISODES: Total number of episodes for individual

Data file: SurveillanceEpisodesYrAge

Overview

Valid: 5556818 Invalid: 0 Minimum: 1 Maximum: 67 Mean: 33.759 Standard deviation: 15.723
 Type: Continuous Decimal: 0 Width: 12 Range: 1 - 67 Format: Numeric

Download related resources

Technical documents

DDI:SEYA2023

| | |
|--------------|----------------------|
| Title | DDI:SEYA2023 |
| Author(s) | Sweetness H Dube |
| Date | 15/08/2023 |
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