

South Africa - SAPRIN Individual Surveillance Episodes 2024 Datasets

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Identification

SURVEY ID NUMBER
SAPRIN.SISED2024V1

TITLE
SAPRIN Individual Surveillance Episodes 2024 Datasets

COUNTRY

Name	Country code
South Africa	RSA

STUDY TYPE
Demographic Surveillance

SERIES INFORMATION

This dataset contains demographic surveillance data covering the period from 1 Jan 1993 to 31 December 2023.

ABSTRACT

The 'South African Population Research Infrastructure Network' (SAPRIN) is a national research infrastructure funded through the Department of Science and Innovation and hosted by the South African Medical Research Council. One of SAPRIN's initial goals has been to harmonise and share the longitudinal data from the three current Health and Demographic Surveillance System *(HDSS)* Nodes. These long-standing nodes are the MRC/Wits University Agincourt HDSS in Bushbuckridge District, Mpumalanga, established in 1993, with a current population of 104 679 people; the University of Limpopo DIMAMO HDSS in the Capricorn District of Limpopo, established in 1996, with a current population of 101 376; and the Africa Health Research Institute (AHRI) HDSS in uMkhanyakude District, KwaZulu-Natal, established in 2000, with a current population of 156 751.

For an individual to be eligible for inclusion in the surveillance, the individual must be a member of a household resident within the geographic boundaries of a SAPRIN node. For a household to be resident, it must have at least one household member who is resident within the surveillance area. Households and household membership are self-defined by the household informant interviewed by the fieldworker at their place of residence (or during a telephonic interview with the household informant). Household members so identified could be resident, that is sleep the majority of nights at this household's place of residence, or could be resident elsewhere (usually outside the surveillance area, but potentially within the surveillance area, in which case they will be a resident household member of the household resident at that place - In this dataset, individuals are members of a single household at a time, and in this example, the non-resident member of the household who is resident elsewhere in the surveillance area, will be reflected in the dataset as a resident member of the household this individual is co-resident with and not also as a non-resident member of this household). The resident status of household members can change: they can move out of the surveillance area to be resident elsewhere, but still be considered household members (so-called 'temporary migration'), such cases are reflected in the data as episodes of external residence; or temporary migrants can return to take up residence again with the household, initiating a new episode of residence internal to the surveillance area.

In addition to these periods of internal and external residence punctuated by in- and outmigration, surveillance episodes can be started by the birth of an individual, if the child is born to a resident mother, their birth starts a period of internal residency for the child; if the child is born to a mother who is a temporary migrant (externally resident) and the child is considered to be a member of the household, a period of external residency ensues for the child. Residency episodes (whether internal or external) are of course terminated by the death of the individual, if that happens whilst the individual is under surveillance.

All SAPRIN nodes conducted a baseline household census at their beginning and all individuals enrolled at this point start their surveillance episode with enumeration. However, nodes may extend their area of surveillance at certain points after the initial household census, by doing another baseline census in these new areas, and all individuals enrolled then, also start their surveillance episodes with enumeration. For integrity in the longitudinal surveillance of individuals, the identity of newly encountered individuals is checked against the database and merged with prior records if the individual is already in the database. In the case of newly incorporated areas into the surveillance area, it is entirely possible to find individuals that have previously out-migrated from the surveillance area to reside in this new area, in such cases an individual will have more than one surveillance episode that starts with enumeration, their enumeration in the original baseline census as well as their enumeration in the newly extended surveillance area.

This dataset represents a snapshot of the continually evolving data in the underlying longitudinal databases maintained by the SAPRIN nodes. In these databases the rightmost extent of the individual's surveillance episode is indicated by the data

collection date of the last time the individual's membership of a household under surveillance has been confirmed. Each dataset has a right censor date (31 December 2023 for the current version of the dataset) and individual surveillance episodes are terminated at that point if the individual is still under surveillance beyond the cut-off date. Each individual surveillance episode is associated with a physical location, for internal residency episodes it is the actual place of residence of the individual, for external residence episodes (periods of temporary migration) it is the place of residence of the individual's household. If an individual change their place of residency from one location within the surveillance area to another location still within the surveillance area, the episode at the original location is terminated with a location exit event, and a new episode starts with a location entry event at the destination location. It is also possible for the household the individual is a member of, to change their place of residency in the surveillance area, whilst the individual is externally resident (is a temporary migrant), in which case the individual's external resident episode will also be split with a location exit-entry pair of events.

At every household visit written consent is obtained from the household respondent for continued participation in the surveillance and such consent can be withdrawn. When this happens all household members' surveillance episodes are terminated with a refusal event. It is possible for households to again provide consent to participate in the surveillance after some time, in such cases surveillance events are restarted with a permission event.

As mentioned previously, surveillance episodes are continually extended by the last data collection event if the individual remains under surveillance. In certain cases, individuals may be lost to follow-up and surveillance episodes where the date of last data collection is more than one year prior to the right censor data are terminated as lost to follow up at that last data collection date. Individuals with data collection dates within a year of the right censor date is considered still to be under surveillance up to this last data collection date.

Each surveillance episode contains the identifier of the household the individual is a member of during that episode. Under relatively rare circumstances it is possible for an individual to change household membership whilst still resident at the same location, or to change membership whilst externally resident, in these cases the surveillance episode will be split with a pair of membership end and membership start events. More commonly membership start and end events coincide with location exit and entry events or in- and out-migration events. Memberships also obviously start at birth or enumeration and end at death, refusal to participate or lost to follow-up.

In about half of the cases, individuals have a single episode from first enumeration, birth or in-migration, to their eventual death, out-migration or currently still under surveillance. In the remaining cases, individuals transition from internal residency to external residency via out-migration, or from one location to another via internal migration with a location exit and entry event, or some other rarer form of transition involving membership change, refusal or lost to follow-up. Usually these series of surveillance episodes are continuous in time, with no gaps between episodes, but gaps can form, e.g. when an individual out-migrates and end membership with the household and so is no longer under surveillance, only to return via in-migration at some future date and take up membership with same or different household.

The SAPRIN Individual Surveillance Episodes 2024 Datasets consists of three types of the Demographic surveillance datasets:

- 1.SAPRIN Individual Surveillance Episodes 2024: Basic Dataset. This dataset contains only the internal and external residency episodes for an individual.
- 2.SAPRIN Individual Surveillance Episodes 2024: Age-Year Dataset.This dataset splits the basic surveillance episodes at calendar year end and at the date when the age in years (birth-day) of an individual changes.
- 3.SAPRIN Individual Surveillance Episodes 2024: Age-Year-Delivery Dataset. This dataset splits the basic surveillance episodes at calendar year end and at the date when the age in years (birth-day) of an individual changes. In the case of women who have given births, episodes are split at the time of delivery as well.

KIND OF DATA

Event history data

UNIT OF ANALYSIS

Exposure Episodes

Version

VERSION DESCRIPTION

v1: Dataset for public distribution.

VERSION DATE

2025-02-24

VERSION NOTES

v1: Dataset for public distribution.

Scope

NOTES

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 or marital status, will likewise result in a new episode on the date of the change.

TOPICS

Topic
Fertility, Mortality, Migration

KEYWORDS

Keyword
Fertility, Mortality, Migration

Coverage

GEOGRAPHIC COVERAGE

The South African Population Research Infrastructure Network (SAPRIN) currently represents a network of three Health and Demographic Surveillance System *(HDSS)* nodes located in rural South Africa, namely: 1) MRC/Wits University Agincourt HDSS in Bushbuckridge District, Mpumalanga, which has collected data since 1993. The nodal website is: <http://www.agincourt.co.za>; 2) the University of Limpopo DIMAMO HDSS in the Capricorn District of Limpopo, which has collected data since 1996. The nodal website is: N/A; 3) and the Africa Health Research Institute (AHRI) HDSS in uMkhanyakude District, KwaZulu-Natal, which has collected data since 2000. The nodal website is: <http://www.ahri.org>.

The Agincourt HDSS covers a surveillance area of approximately 420 square kilometres and is located in the Bushbuckridge District, Mpumalanga in the rural northeast of South Africa close to the Mozambique border. At baseline in 1992, 57 600 people were recorded in 8900 households in 20 villages; by 2006, the population had increased to about 70 000 people in 11 700 households. As of 1st July 2023, there were 110 896 people under surveillance of whom 24% were not resident within the surveillance area, with a total of about 2.8 m person years of observation. 29% of the population is under 15 years old. The population is almost exclusively Xitsonga speaking. The Agincourt HDSS has population density of over 200 persons per square kilometre. The Agincourt HDSS extends between latitudes 24° 50' and 24° 56' S and longitudes 31°08' and 31° 25' E. The altitude is about 400-600m above sea level.

DIMAMO is located in the Capricorn district, Limpopo Province approximately 40 kilometres from Polokwane, the capital city of Limpopo Province and 15-50 kilometres from the University of Limpopo. The site covers an area of approximately 400 square kilometres. The initial total population observed was about 8 000 but the field site was expanded in 2010. As of 1st July 2023, there were 99 087 people under surveillance, of whom 24% were not resident within the surveillance area, with about 961,000 person years of observation. 29% of the population is under 15 years old. The population is predominantly Sepedi speaking. Most households have electricity. Some households have piped water either inside the house or in their yards, but most fetch water from taps situated at strategic points in the villages. Most households have a pit latrine in their yards. The area lies between latitudes and 23°65' and 23°90' S and longitudes 29°65' and 29°85' E. The HDSS is located on a high plateau area (approximately 1250 m above sea level) where communities typically consist of households clustered in villages, with access to local land for small-scale food production.

Africa Health Research Institute (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 for portions where the Kwamsane township straddles the highway) and in the north by the Inyalazi river for portions of the boundary. The surveillance area is approximately 850 square kilometres. As of 1st July 2023, there were 154 815 people under surveillance of whom 25% were not resident within the surveillance area, with about 2.6 m person years of observation. 29 % of the population is under 15 years old. The population is almost exclusively isiZulu speaking. The surveillance area is typical of many rural areas of South Africa in that

while predominantly rural, it contains an urban township and informal peri-urban settlements. The area is characterized by large variations in population densities (20-3000 people per square kilometre). The area lies between latitudes -28°24' and 28°20'N and longitudes 32°10' and 31°58'E

UNIVERSE

Households resident in dwellings within the study area will be eligible for inclusion in the household component of SAPRIN. All individuals identified by the household proxy informant as a member of the household will be enumerated. A resident household member is an individual that intends to sleep the majority of time at the dwelling occupied by the household over a four-month period. Households will 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 most of the time. They 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

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PRODUCERS

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FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
Department of Science,Technology and Innovation	DSTI	Current Funder

OTHER IDENTIFICATIONS/ACKNOWLEDGMENTS

Name	Affiliation	Role
Agincourt Data Team	Agincourt	Providing Data
DIMAMO Data Team	DIMAMO	Providing Data
AHRI Data Team	AHRI	Providing Data
Prof Steve Tollman	Agincourt	
Dr Joseph Tlouyamma	DIMAMO	
Prof Collins Iwuji	AHRI	
Centre for High Performance Computing	Centre for High Performance Computing	Providing IT Infrastructure for Data Processing

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	Cycle
1993-01-01	2023-12-31	Agincourt
1996-01-01	2023-12-31	DIMAMO
2000-01-01	2023-12-31	AHRI

TIME PERIODS

Start date	End date	Cycle
1993-01-01	2023-12-31	Agincourt
1996-01-01	2023-12-31	DIMAMO
2000-01-01	2023-12-31	AHRI

DATA COLLECTION NOTES

In all the HDSS nodes, data are collected from a household proxy respondent, preferably the head of household or any next available senior adult resident household member, after informed consent was obtained by trained fieldworkers. Respondents are informed of the purpose and confidentiality of the interview, their right to refuse participation or withdraw from the study, and that scientists would be given access to anonymised data to analyse and publish information. Informed consent was verbal in all HDSS nodes until 2016. Written informed consent started in 2017 in AHRI, and 2018 in DIMAMO and 2019 in Agincourt. Until 2016 for Agincourt and AHRI, and 2017 for DIMAMO, data collection was field-based 'paper and pen' personal interviews (PAPI), before changing to field-based computer-assisted personal interviews (CAPI). Since 2019, all SAPRIN HDSS nodes collect data in 3 annual rounds over a 45-week data collection schedule; one field-based CAPI round, sandwiched on either side by a Call-Centre-based computer assisted telephonic interview (CATI), to create 3 data points at an interval of approximately 4 months in each calendar year. In the past HDSS nodes had different data collection frequencies. AHRI data collection was 2 PAPI rounds per year from inception to 2011, changing to 3 PAPI rounds per year between 2012 and 2016, before becoming 1 PAPI round and 2 CATI rounds from 2017. Agincourt and DIMAMO have been collecting data once annually in a census-type format, over 4-5-month period until 2018.

Questionnaires

QUESTIONNAIRES

The data on this Repository is not the result of a single questionnaire but is a result of harmonised data from three different sites longitudinally collected over more than twenty years using different questionnaires that varied over time and site.

Data Processing

DATA EDITING

The first step in the data preparation process is quality assurance. The SAPRIN Management hub team assess the data submitted to ensure it is in the correct format and falls within expected value ranges. Other potential issues checked include: missing data, incorrect data types, unexpected duplicate or orphan records. The SAPRIN Management hub assess this conversion by running both original operational database and the SAPRIN database created from the operational database through the SAPRINQA data quality assessment and indicator process. The data quality checking process is conducted using the SAPRIN QA Julia Code. The Julia Code provides the Extract, Transform, and Load (ETL) capabilities that facilitates the process of capturing, cleansing, and storing data using a uniform and consistent format that is accessible and relevant to end users. The principle of the data quality checks is that if the data conversion conducted by the nodes was complete and accurate, there should be little or no difference in the data quality and demographic indicators between the base and SAPRIN versions of the nodal data. If the data submitted by the nodes meets the criteria for inclusion into the consolidated dataset the data moves to the second step of the data production process. However, if the data fail the inclusion checks, this could then lead to another iteration of data submission and quality control checks until the SAPRIN Management hub is satisfied that they have high quality data. To produce this final standard dataset, the data is processed using Julia Code on the Centre for High Performance Computing cluster.

Data Appraisal

ESTIMATES OF SAMPLING ERROR
Not Applicable

Access policy

CONTACTS

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ACCESS CONDITIONS

This data is made available for access under the following conditions:

- 1)The data and other materials provided by SAPRIN will not be redistributed or sold to other individuals, institutions, or organizations without the written agreement of SAPRIN.
- 2)The data will be used for statistical and scientific research purposes only. They will be used solely for reporting of aggregated information, and not for investigation of specific individuals or organisations. The Data User will neither use nor permit others to use the data in any way other than listed in the original application (Analysis Plan) for access to the dataset.
- 3)No attempt will be made to re-identify respondents, and no use will be made of the identity of any person or establishment discovered inadvertently. Any such discovery should immediately be reported to SAPRIN.
- 4)No attempt will be made to produce links among datasets provided by SAPRIN, or among data from SAPRIN and other datasets that could identify individuals or organizations.
- 5)The Data User will ensure that the data are kept in a secured environment and that only authorized users have access to the data.
- 6)Any books, articles, conference papers, theses, dissertations, reports, or other publications that employ data obtained from SAPRIN will cite the source of data in accordance with the Citation Requirement provided with each dataset.
- 7)An electronic copy of all reports and publications based on the requested data will be sent to SAPRIN.
- 8)The original collector of the data, SAPRIN, and relevant funding agencies bear no responsibility for use of the data or for interpretations or inferences based upon such uses.
- 9) Once the data set has served its indicated purpose it must be destroyed. If the dataset needs to be lodged for publication purposes, a reference (a digital object identifier will be maintained by SAPRIN for this purpose) to the original dataset on the SAPRIN data repository should be used. Derived or aggregated datasets produced from the original dataset do not fall within this provision and may be lodged as publication datasets. If the same dataset is needed for a different purpose, the dataset should be re-requested and the new purposes indicated.

CITATION REQUIREMENTS

Any use of this data must cite the digital object identifier (doi) associated with the appropriate dataset. Using the following form:

Maoyi, ML; Mutevedzi, T; Collinson, M; Herbst, K (2024): SAPRIN Individual Surveillance Episodes 2024: Basic Dataset. South African Population Research Infrastructure Network.
<https://doi.org/10.23667/SAPRIN.SISEBD2024>

Maoyi, ML; Mutevedzi, T; Collinson, M; Herbst, K (2024) : SAPRIN Individual Surveillance Episodes 2024: Age-Year Dataset. South African Population Research Infrastructure Network.
<https://doi.org/10.23667/SAPRIN.SISEAYD2024>

Maoyi, ML; Mutevedzi, T; Collinson, M; Herbst, K (2024) : SAPRIN Individual Surveillance Episodes 2024: Age-Year-Delivery Dataset. South African Population Research Infrastructure Network.
<https://doi.org/10.23667/SAPRIN.SISEAYDD2024>

ACCESS AUTHORITY

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DISCLAIMER

The user of the data acknowledges that the original collector of the data and the relevant funding agencies bear no responsibility for the data's use or interpretation or inferences based upon it.

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Metadata production

DDI DOCUMENT ID

DDI.SAPRIN.SISED2024V1

PRODUCERS

Name	Abbreviation	Affiliation	Role
Molulaqhooa Linda Maoyi	MLM	SAPRIN	Documentation of Study and Review of the metadata
Kobus Herbst	KH	SAPRIN	Documentation of Study and Review of the metadata
Mark Collinson	MC	SAPRIN	Documentation of Study and Review of the metadata
Tinofa Mutevedzi	TM	SAPRIN	Documentation of Study and Review of the metadata

DATE OF METADATA PRODUCTION

2025-02-24

DDI DOCUMENT VERSION

Version 1 (February 2025)

Data Dictionary

Data file	Cases	Variables
SISED2024V1	1361389	35
SISEAYD2024V1	13909575	41
SISEAYDD2024V1	14026206	42

Data file: SISEDDB2024V1

Cases:	1361389
Variables:	35

Variables

ID	Name	Label	Question
V386	NodeId	SAPRIN Node identifier	
V387	IndividualId	Unique individual identifier	
V388	Sex	Sex of individual	
V389	DoB	Date of birth	
V390	DoD	Date of death	
V391	MotherId	Mother's IndividualId	
V392	FatherId	Father's IndividualId	
V393	LocationId	Where individual was resident, household residence if non-resident	
V394	HouseholdId	Unique household identifier of the household the individual is a member of	
V395	HHRelationshipTypeId	Relationship to head of household	
V396	Resident	Whether individual is resident for duration of episode	
V397	Episode	This episode number (first=1, last=Episodes)	
V398	Episodes	Total number of episodes for individual	
V399	StartDate	Start date of episode (inclusive)	
V400	EndDate	End date of episode (inclusive)	
V401	Days	Duration in days of episode	
V402	Born	Episode starts with the birth of the individual	
V403	Enumeration	Episode starts with an enumeration	
V404	InMigration	Episode starts with an in-migration	
V405	LocationEntry	Episode starts with an internal migration	
V406	ExtResStart	Flag to indicate start of external residence	
V407	Participation	Resumed participation after refusal	
V408	Died	Episode ends with the death of the individual	
V409	OutMigration	Episode ends with the out-migration	
V410	LocationExit	Episode ends with an internal migration	
V411	ExtResEnd	Flag to indicate end of external residence	
V412	Refusal	Individual refused follow-up	
V413	LostToFollowUp	Individual was lost to follow-up at the end of the episode	
V414	Current	Individual still under surveillance	
V415	HHRelationship	Relationship to head of household changed during this episode	
V416	MembershipStart	Flag to indicate start of household membership	
V417	MembershipEnd	Flag to indicate end of household membership	
V418	GapStart	Start of a gap in individual exposure record	
V419	GapEnd	End of gap in individual exposure record	
V420	Memberships	Number of concurrent household memberships	

Total: 35

Data file: SISEAYD2024V1

Cases:	13909575
Variables:	41

Variables

ID	Name	Label	Question
V421	NodeId	SAPRIN Node identifier	
V422	IndividualId	Unique individual identifier	
V423	Sex	Sex of individual	
V424	DoB	Date of birth	
V425	DoD	Date of death	
V426	MotherId	Mother's IndividualId	
V427	FatherId	Father's IndividualId	
V428	LocationId	Where individual was resident, household residence if non-resident	
V429	HouseholdId	Unique household identifier of the household the individual is a member of	
V430	HHRelationshipTypeId	Relationship to head of household	
V431	Resident	Whether individual is resident for duration of episode	
V432	Episode	This episode number (first=1, last=Episodes)	
V433	Episodes	Total number of episodes for individual	
V434	StartDate	Start date of episode (inclusive)	
V435	EndDate	End date of episode (inclusive)	
V436	Days	Duration in days of episode	
V437	CalendarYear	Calendar year during episode	
V438	Age	Age in completed years during episode	
V439	AgeGroup	Age group during episode	
V440	Born	Episode starts with the birth of the individual	
V441	Enumeration	Episode starts with an enumeration	
V442	InMigration	Episode starts with an in-migration	
V443	LocationEntry	Episode starts with an internal migration	
V444	ExtResStart	Flag to indicate start of external residence	
V445	Participation	Resumed participation after refusal	
V446	Died	Episode ends with the death of the individual	
V447	OutMigration	Episode ends with the out-migration	
V448	LocationExit	Episode ends with an internal migration	
V449	ExtResEnd	Flag to indicate end of external residence	
V450	Refusal	Individual refused follow-up	
V451	LostToFollowUp	Individual was lost to follow-up at the end of the episode	
V452	Current	Individual still under surveillance	
V453	HHRelationship	Relationship to head of household changed during this episode	
V454	MembershipStart	Flag to indicate start of household membership	
V455	MembershipEnd	Flag to indicate end of household membership	
V456	GapStart	Start of a gap in individual exposure record	
V457	GapEnd	End of gap in individual exposure record	
V458	AgeChange	Flag age changed	

ID	Name	Label	Question
V459	YrChange	Flag calendar year changed	
V460	Memberships	Number of concurrent household memberships	
V461	EducationStatus	Education level achieved during this calendar year	

Total: 41

Data file: SISEAYDD2024V1

Cases:	14026206
Variables:	42

Variables

ID	Name	Label	Question
V462	NodeId	SAPRIN Node identifier	
V463	IndividualId	Unique individual identifier	
V464	Sex	Sex of individual	
V465	DoB	Date of birth	
V466	DoD	Date of death	
V467	MotherId	Mother's IndividualId	
V468	FatherId	Father's IndividualId	
V469	LocationId	Where individual was resident, household residence if non-resident	
V470	HouseholdId	Unique household identifier of the household the individual is a member of	
V471	HHRelationshipTypeId	Relationship to head of household	
V472	Resident	Whether individual is resident for duration of episode	
V473	Episode	This episode number (first=1, last=Episodes)	
V474	Episodes	Total number of episodes for individual	
V475	StartDate	Start date of episode (inclusive)	
V476	EndDate	End date of episode (inclusive)	
V477	Days	Duration in days of episode	
V478	CalendarYear	Calendar year during episode	
V479	Age	Age in completed years during episode	
V480	Born	Episode starts with the birth of the individual	
V481	Enumeration	Episode starts with an enumeration	
V482	InMigration	Episode starts with an in-migration	
V483	LocationEntry	Episode starts with an internal migration	
V484	ExtResStart	Flag to indicate start of external residence	
V485	Participation	Resumed participation after refusal	
V486	Died	Episode ends with the death of the individual	
V487	OutMigration	Episode ends with the out-migration	
V488	LocationExit	Episode ends with an internal migration	
V489	ExtResEnd	Flag to indicate end of external residence	
V490	Refusal	Individual refused follow-up	
V491	LostToFollowUp	Individual was lost to follow-up at the end of the episode	
V492	Current	Individual still under surveillance	
V493	HHRelationship	Relationship to head of household changed during this episode	
V494	MembershipStart	Flag to indicate start of household membership	
V495	MembershipEnd	Flag to indicate end of household membership	
V496	GapStart	Start of a gap in individual exposure record	
V497	GapEnd	End of gap in individual exposure record	
V498	AgeChange	Flag age changed	
V499	YrChange	Flag calendar year changed	

ID	Name	Label	Question
V500	Memberships	Number of concurrent household memberships	
V501	EducationStatus		
V502	ChildrenBorn	Number of babies delivered at start of episode	
V503	ChildrenEverBorn	Number of children ever born to individual	

Total: 42

NODEID: SAPRIN Node identifier**Data file: SISEDDB2024V1****Overview**

Valid: 1361389 Invalid: 0
 Type: Discrete Decimal: 0 Width: 9 Range: 1 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Agincourt	556222	40.9%
2	DIMAMO	224044	16.5%
3	AHRI	581123	42.7%

INDIVIDUALID: Unique individual identifier**Data file: SISEDDB2024V1****Overview**

Valid: 1361389 Invalid: 0 Minimum: 1 Maximum: 308940 Mean: 127008.311 Standard deviation: 82425.389
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 308940 Format: Numeric

SEX: Sex of individual**Data file: SISEDDB2024V1****Overview**

Valid: 1361389 Invalid: 0
 Type: Discrete Decimal: 0 Width: 9 Range: 0 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		53	0%
1	Male	650621	47.8%
2	Female	710712	52.2%
3	Unknown	3	0%

DOB: Date of birth**Data file: SISEDDB2024V1**

Overview

Valid: 1361389 Minimum: 1800-01-01 Maximum: 2023-12-30
 Type: Discrete Width: 11 Range: - Format: character

DOD: Date of death

Data file: SISEDDB2024V1

Overview

Valid: 94823 Minimum: 1992-03-15 Maximum: 2024-05-03
 Type: Discrete Width: 11 Range: - Format: character

MOTHERID: Mother's IndividualId

Data file: SISEDDB2024V1

Overview

Valid: 879741 Invalid: 481648 Minimum: 13 Maximum: 308937 Mean: 152600.748 Standard deviation: 73790.671
 Type: Continuous Decimal: 0 Width: 9 Range: 13 - 308937 Format: Numeric

FATHERID: Father's IndividualId

Data file: SISEDDB2024V1

Overview

Valid: 421555 Invalid: 939834 Minimum: 49 Maximum: 308936 Mean: 162729.032 Standard deviation: 69418.12
 Type: Continuous Decimal: 0 Width: 9 Range: 49 - 308936 Format: Numeric

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

Data file: SISEDDB2024V1

Overview

Valid: 1361389 Invalid: 0 Minimum: 0 Maximum: 35891 Mean: 15826.944 Standard deviation: 9446.805
 Type: Continuous Decimal: 0 Width: 9 Range: 0 - 35891 Format: Numeric

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

Data file: SISEDDB2024V1

Overview

Valid: 1361389 Invalid: 0 Minimum: 1 Maximum: 40054 Mean: 17284.659 Standard deviation: 10404.077
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 40054 Format: Numeric

HHRELATIONSHIPTYPEID: Relationship to head of household**Data file: SISEDDB2024V1****Overview**

Valid: 1361389 Invalid: 0
 Type: Discrete Decimal: 0 Width: 22 Range: 1 - 12 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Head	181068	13.3%
2	Spouse	67552	5%
3	Child	500708	36.8%
4	Son/Daughter-inlaw	19804	1.5%
5	Grandchild	300286	22.1%
6	Parent	7363	0.5%
7	Parent-inlaw	433	0%
8	Grandparent	1063	0.1%
9	Sibling	137687	10.1%
10	Other relative	50301	3.7%
11	Domestic worker/tenant	40802	3%
12	Unrelated/Other	54322	4%

RESIDENT: Whether individual is resident for duration of episode**Data file: SISEDDB2024V1****Overview**

Valid: 1361389 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	469169	34.5%
1	Yes	892220	65.5%

EPISODE: This episode number (first=1, last=Episodes)**Data file: SISEDDB2024V1****Overview**

Valid: 1361389 Invalid: 0
 Type: Discrete Decimal: 0 Width: 9 Range: 1 - 21 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		713161	52.4%
2		290768	21.4%
3		154101	11.3%
4		87473	6.4%
5		50884	3.7%
6		29946	2.2%
7		16490	1.2%
8		9095	0.7%
9		4765	0.4%
10		2417	0.2%
11		1232	0.1%
12		570	0%
13		273	0%
14		118	0%
15		48	0%
16		23	0%
17		12	0%
18		6	0%
19		3	0%
20		2	0%
21		2	0%

EPISODES: Total number of episodes for individual**Data file: SISEDDB2024V1****Overview**

Valid: 1361389 Invalid: 0
 Type: Discrete Decimal: 0 Width: 9 Range: 1 - 21 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		422393	31%
2		273334	20.1%
3		199884	14.7%
4		146356	10.8%
5		104690	7.7%
6		80736	5.9%
7		51765	3.8%
8		34640	2.5%
9		21132	1.6%
10		11850	0.9%
11		7282	0.5%
12		3564	0.3%
13		2015	0.1%
14		980	0.1%
15		375	0%
16		176	0%
17		102	0%
18		54	0%
19		19	0%
21		42	0%

STARTDATE: Start date of episode (inclusive)

Data file: SISEDDB2024V1

Overview

Valid: 1361389 Minimum: 1992-03-01 Maximum: 2023-12-31
 Type: Discrete Width: 11 Range: - Format: character

ENDDATE: End date of episode (inclusive)

Data file: SISEDDB2024V1

Overview

Valid: 1361389 Minimum: 1992-03-01 Maximum: 2023-12-31
 Type: Discrete Width: 11 Range: - Format: character

DAYS: Duration in days of episode**Data file: SISEDDB2024V1****Overview**

Valid: 1361389 Invalid: 0 Minimum: 1 Maximum: 11628 Mean: 1733.646 Standard deviation: 1890.01
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 11628 Format: Numeric

BORN: Episode starts with the birth of the individual**Data file: SISEDDB2024V1****Overview**

Valid: 1361389 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	1230592	90.4%
1	Yes	130797	9.6%

ENUMERATION: Episode starts with an enumeration**Data file: SISEDDB2024V1****Overview**

Valid: 1361389 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	1048223	77%
1	Yes	313166	23%

INMIGRATION: Episode starts with an in-migration**Data file: SISEDDB2024V1**

Overview

Valid: 1361389 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	924554	67.9%
1	Yes	436835	32.1%

LOCATIONENTRY: Episode starts with an internal migration

Data file: SISEDDB2024V1

Overview

Valid: 1361389 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	1307454	96%
1	Yes	53935	4%

EXTRESSTART: Flag to indicate start of external residence

Data file: SISEDDB2024V1

Overview

Valid: 1361389 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	953659	70.1%
1	Yes	407730	29.9%

PARTICIPATION: Resumed participation after refusal**Data file: SISEDDB2024V1****Overview**

Valid: 1361389 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	1361389	100%
1	Yes	0	0%

DIED: Episode ends with the death of the individual**Data file: SISEDDB2024V1****Overview**

Valid: 1361389 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	1305340	95.9%
1	Yes	56049	4.1%

OUTMIGRATION: Episode ends with the out-migration**Data file: SISEDDB2024V1****Overview**

Valid: 1361389 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	763011	56%
1	Yes	598378	44%

LOCATIONEXIT: Episode ends with an internal migration

Data file: SISEDDB2024V1

Overview

Valid: 1361389 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	1307454	96%
1	Yes	53935	4%

EXTRESEND: Flag to indicate end of external residence

Data file: SISEDDB2024V1

Overview

Valid: 1361389 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	1141562	83.9%
1	Yes	219827	16.1%

REFUSAL: Individual refused follow-up

Data file: SISEDDB2024V1

Overview

Valid: 1361389 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	1358151	99.8%
1	Yes	3238	0.2%

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

Data file: SISEDDB2024V1

Overview

Valid: 1361389 Invalid: 0
 Type: Discrete Decimal: 0 Width: 15 Range: 0 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		1316421	96.7%
1		44968	3.3%

CURRENT: Individual still under surveillance

Data file: SISEDDB2024V1

Overview

Valid: 1361389 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	998591	73.4%
1	Yes	362798	26.6%

HHRELATIONSHIP: Relationship to head of household changed during this episode**Data file: SISEDDB2024V1****Overview**

Valid: 1361389 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	1263882	92.8%
1	Yes	97507	7.2%

MEMBERSHIPSTART: Flag to indicate start of household membership**Data file: SISEDDB2024V1****Overview**

Valid: 1361389 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	560766	41.2%
1	Yes	800623	58.8%

MEMBERSHIPEND: Flag to indicate end of household membership**Data file: SISEDDB2024V1****Overview**

Valid: 1361389 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	560766	41.2%
1	Yes	800623	58.8%

GAPSTART: Start of a gap in individual exposure record

Data file: SISEDDB2024V1

Overview

Valid: 1361389 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	1344643	98.8%
1	Yes	16746	1.2%

GAPEND: End of gap in individual exposure record

Data file: SISEDDB2024V1

Overview

Valid: 1361389 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	1344643	98.8%
1	Yes	16746	1.2%

MEMBERSHIPS: Number of concurrent household memberships

Data file: SISEDDB2024V1

Overview

Valid: 1361389 Invalid: 0
 Type: Discrete Decimal: 0 Width: 9 Range: 1 - 11 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		1260789	92.6%
2		93006	6.8%
3		7072	0.5%
4		449	0%
5		53	0%
6		16	0%
8		1	0%
9		1	0%
10		1	0%
11		1	0%

NODEID: SAPRIN Node identifier**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 Invalid: 0
 Type: Discrete Decimal: 0 Width: 9 Range: 1 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Agincourt	6083386	43.7%
2	DIMAMO	2131135	15.3%
3	AHRI	5695054	40.9%

INDIVIDUALID: Unique individual identifier**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 Invalid: 0 Minimum: 1 Maximum: 308940 Mean: 127846.658 Standard deviation: 83155.502
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 308940 Format: Numeric

SEX: Sex of individual**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 Invalid: 0
 Type: Discrete Decimal: 0 Width: 9 Range: 0 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		266	0%
1	Male	6633744	47.7%
2	Female	7275560	52.3%
3	Unknown	5	0%

DOB: Date of birth**Data file: SISEAYD2024V1**

Overview

Valid: 13909575 Minimum: 1800-01-01 Maximum: 2023-12-30
 Type: Discrete Width: 11 Range: - Format: character

DOD: Date of death

Data file: SISEAYD2024V1

Overview

Valid: 1046803 Minimum: 1992-03-15 Maximum: 2024-05-03
 Type: Discrete Width: 11 Range: - Format: character

MOTHERID: Mother's IndividualId

Data file: SISEAYD2024V1

Overview

Valid: 8974918 Invalid: 4934657 Minimum: 13 Maximum: 308937 Mean: 154491.235 Standard deviation: 73718.664
 Type: Continuous Decimal: 0 Width: 9 Range: 13 - 308937 Format: Numeric

FATHERID: Father's IndividualId

Data file: SISEAYD2024V1

Overview

Valid: 4567619 Invalid: 9341956 Minimum: 49 Maximum: 308936 Mean: 165046.871 Standard deviation: 69067.823
 Type: Continuous Decimal: 0 Width: 9 Range: 49 - 308936 Format: Numeric

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

Data file: SISEAYD2024V1

Overview

Valid: 13909575 Invalid: 0 Minimum: 0 Maximum: 35891 Mean: 15817.25 Standard deviation: 9420.55
 Type: Continuous Decimal: 0 Width: 9 Range: 0 - 35891 Format: Numeric

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

Data file: SISEAYD2024V1

Overview

Valid: 13909575 Invalid: 0 Minimum: 1 Maximum: 40054 Mean: 17307.633 Standard deviation: 10377.878
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 40054 Format: Numeric

HHRELATIONSHIPTYPEID: Relationship to head of household**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 Invalid: 0
 Type: Discrete Decimal: 0 Width: 22 Range: 1 - 12 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Head	2255372	16.2%
2	Spouse	876661	6.3%
3	Child	5322304	38.3%
4	Son/Daughter-inlaw	162427	1.2%
5	Grandchild	2873583	20.7%
6	Parent	99270	0.7%
7	Parent-inlaw	4201	0%
8	Grandparent	9413	0.1%
9	Sibling	1260630	9.1%
10	Other relative	406815	2.9%
11	Domestic worker/tenant	306654	2.2%
12	Unrelated/Other	332245	2.4%

RESIDENT: Whether individual is resident for duration of episode**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 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	3525655	25.3%
1	Yes	10383920	74.7%

EPISODE: This episode number (first=1, last=Episodes)**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 Invalid: 0 Minimum: 1 Maximum: 79 Mean: 16.88 Standard deviation: 14.025
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 79 Format: Numeric

EPISODES: Total number of episodes for individual**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 Invalid: 0 Minimum: 1 Maximum: 79 Mean: 32.76 Standard deviation: 17.945
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 79 Format: Numeric

STARTDATE: Start date of episode (inclusive)**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 Minimum: 1992-03-01 Maximum: 2023-12-31
 Type: Discrete Width: 11 Range: - Format: character

ENDDATE: End date of episode (inclusive)**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 Minimum: 1992-03-01 Maximum: 2023-12-31
 Type: Discrete Width: 11 Range: - Format: character

DAYS: Duration in days of episode**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 Invalid: 0 Minimum: 1 Maximum: 366 Mean: 169.679 Standard deviation: 102.762
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 366 Format: Numeric

CALENDARYEAR: Calendar year during episode**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 Invalid: 0 Minimum: 1992 Maximum: 2023 Mean: 2012.018 Standard deviation: 8.266
 Type: Continuous Decimal: 0 Width: 9 Range: 1992 - 2023 Format: Numeric

AGE: Age in completed years during episode**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 Invalid: 0 Minimum: 0 Maximum: 199 Mean: 25.38 Standard deviation: 18.904
 Type: Continuous Decimal: 0 Width: 9 Range: 0 - 199 Format: Numeric

AGEGROUP: Age group during episode**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 Invalid: 0
 Type: Discrete Decimal: 0 Width: 9 Range: 0 - 18 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	<1	291241	2.1%
1	01-04	1259682	9.1%
2	05-09	1603875	11.5%
3	10-14	1559396	11.2%
4	15-19	1521954	10.9%
5	20-24	1506119	10.8%
6	25-29	1350841	9.7%
7	30-34	1106964	8%
8	35-39	858019	6.2%
9	40-44	657510	4.7%
10	45-49	520224	3.7%
11	50-54	419505	3%
12	55-59	342058	2.5%
13	60-64	275356	2%
14	65-69	212877	1.5%
15	70-74	161148	1.2%
16	75-79	113810	0.8%
17	80-84	75905	0.5%
18	85+	73091	0.5%

BORN: Episode starts with the birth of the individual**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 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	13778778	99.1%
1	Yes	130797	0.9%

ENUMERATION: Episode starts with an enumeration**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 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	13596409	97.7%
1	Yes	313166	2.3%

INMIGRATION: Episode starts with an in-migration**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 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	13472740	96.9%
1	Yes	436835	3.1%

LOCATIONENTRY: Episode starts with an internal migration

Data file: SISEAYD2024V1

Overview

Valid: 13909575 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	13855640	99.6%
1	Yes	53935	0.4%

EXTRESSTART: Flag to indicate start of external residence

Data file: SISEAYD2024V1

Overview

Valid: 13909575 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	13501845	97.1%
1	Yes	407730	2.9%

PARTICIPATION: Resumed participation after refusal

Data file: SISEAYD2024V1

Overview

Valid: 13909575 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	13909575	100%
1	Yes	0	0%

DIED: Episode ends with the death of the individual

Data file: SISEAYD2024V1

Overview

Valid: 13909575 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	13853526	99.6%
1	Yes	56049	0.4%

OUTMIGRATION: Episode ends with the out-migration

Data file: SISEAYD2024V1

Overview

Valid: 13909575 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	13311197	95.7%
1	Yes	598378	4.3%

LOCATIONEXIT: Episode ends with an internal migration**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 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	13855640	99.6%
1	Yes	53935	0.4%

EXTRESEND: Flag to indicate end of external residence**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 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	13689748	98.4%
1	Yes	219827	1.6%

REFUSAL: Individual refused follow-up**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 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	13906337	100%
1	Yes	3238	0%

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

Data file: SISEAYD2024V1

Overview

Valid: 13909575 Invalid: 0
Type: Discrete Decimal: 0 Width: 15 Range: 0 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		13864607	99.7%
1		44968	0.3%

CURRENT: Individual still under surveillance

Data file: SISEAYD2024V1

Overview

Valid: 13909575 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	13546777	97.4%
1	Yes	362798	2.6%

HHRELATIONSHIP: Relationship to head of household changed during this episode

Data file: SISEAYD2024V1

Overview

Valid: 13909575 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	13806110	99.3%
1	Yes	103465	0.7%

MEMBERSHIPSTART: Flag to indicate start of household membership

Data file: SISEAYD2024V1

Overview

Valid: 13909575 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	13108952	94.2%
1	Yes	800623	5.8%

MEMBERSHIPEND: Flag to indicate end of household membership

Data file: SISEAYD2024V1

Overview

Valid: 13909575 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	13108952	94.2%
1	Yes	800623	5.8%

GAPSTART: Start of a gap in individual exposure record**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 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	13892829	99.9%
1	Yes	16746	0.1%

GAPEND: End of gap in individual exposure record**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 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	13892829	99.9%
1	Yes	16746	0.1%

AGECHANGE: Flag age changed**Data file: SISEAYD2024V1****Overview**

Valid: 13909575 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	7495583	53.9%
1	Yes	6413992	46.1%

YRCHANGE: Flag calendar year changed

Data file: SISEAYD2024V1

Overview

Valid: 13909575 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	7671658	55.2%
1	Yes	6237917	44.8%

MEMBERSHIPS: Number of concurrent household memberships

Data file: SISEAYD2024V1

Overview

Valid: 13909575 Invalid: 0
 Type: Discrete Decimal: 0 Width: 9 Range: 1 - 11 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		13520452	97.2%
2		367553	2.6%
3		19453	0.1%
4		1564	0%
5		442	0%
6		65	0%
8		24	0%
9		7	0%
10		1	0%
11		14	0%

EDUCATIONSTATUS: Education level achieved during this calendar year**Data file: SISEAYD2024V1****Overview**

Valid: 9977273 Invalid: 3932302

Type: Discrete Decimal: 0 Width: 18 Range: -1 - 99 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
-1	Unknown	197194	2%
0	Grade 0	221817	2.2%
1	Grade 1	297545	3%
2	Grade 2	389390	3.9%
3	Grade 3	420155	4.2%
4	Grade 4	500643	5%
5	Grade 5	436603	4.4%
6	Grade 6	497839	5%
7	Grade 7	561315	5.6%
8	Grade 8	592197	5.9%
9	Grade 9	573350	5.7%
10	Grade 10	825811	8.3%
11	Grade 11	840482	8.4%
12	Grade 12	3105401	31.1%
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	517531	5.2%
99	Not attending	0	0%
Sysmiss		3932302	

NODEID: SAPRIN Node identifier**Data file: SISEAYDD2024V1****Overview**

Valid: 14026206 Invalid: 0
 Type: Discrete Decimal: 0 Width: 9 Range: 1 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Agincourt	6141865	43.8%
2	DIMAMO	2145769	15.3%
3	AHRI	5738572	40.9%

INDIVIDUALID: Unique individual identifier**Data file: SISEAYDD2024V1****Overview**

Valid: 14026206 Invalid: 0 Minimum: 1 Maximum: 308940 Mean: 127978.052 Standard deviation: 83158.467
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 308940 Format: Numeric

SEX: Sex of individual**Data file: SISEAYDD2024V1****Overview**

Valid: 14026206 Invalid: 0
 Type: Discrete Decimal: 0 Width: 9 Range: 0 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		266	0%
1	Male	6633804	47.3%
2	Female	7392131	52.7%
3	Unknown	5	0%

DOB: Date of birth**Data file: SISEAYDD2024V1**

Overview

Valid: 14026206 Minimum: 1800-01-01 Maximum: 2023-12-30
 Type: Discrete Width: 11 Range: - Format: character

DOD: Date of death

Data file: SISEAYDD2024V1

Overview

Valid: 1053007 Minimum: 1992-03-15 Maximum: 2024-05-03
 Type: Discrete Width: 11 Range: - Format: character

MOTHERID: Mother's IndividualId

Data file: SISEAYDD2024V1

Overview

Valid: 9040023 Invalid: 4986183 Minimum: 13 Maximum: 308937 Mean: 154534.644 Standard deviation: 73689.036
 Type: Continuous Decimal: 0 Width: 9 Range: 13 - 308937 Format: Numeric

FATHERID: Father's IndividualId

Data file: SISEAYDD2024V1

Overview

Valid: 4603491 Invalid: 9422715 Minimum: 49 Maximum: 308936 Mean: 165063.518 Standard deviation: 69044.433
 Type: Continuous Decimal: 0 Width: 9 Range: 49 - 308936 Format: Numeric

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

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 Invalid: 0 Minimum: 0 Maximum: 35891 Mean: 15817.464 Standard deviation: 9420.135
 Type: Continuous Decimal: 0 Width: 9 Range: 0 - 35891 Format: Numeric

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

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 Invalid: 0 Minimum: 1 Maximum: 40054 Mean: 17307.958 Standard deviation: 10377.643
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 40054 Format: Numeric

HHRELATIONSHIPTYPEID: Relationship to head of household**Data file: SISEAYDD2024V1****Overview**

Valid: 14026206 Invalid: 0
 Type: Discrete Decimal: 0 Width: 9 Range: 1 - 12 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		2263194	16.1%
2		898667	6.4%
3		5371122	38.3%
4		171367	1.2%
5		2884168	20.6%
6		99337	0.7%
7		4212	0%
8		9421	0.1%
9		1270938	9.1%
10		410451	2.9%
11		309277	2.2%
12		334052	2.4%

RESIDENT: Whether individual is resident for duration of episode**Data file: SISEAYDD2024V1****Overview**

Valid: 14026206 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	3545852	25.3%
1	Yes	10480354	74.7%

EPISODE: This episode number (first=1, last=Episodes)**Data file: SISEAYDD2024V1****Overview**

Valid: 14026206 Invalid: 0 Minimum: 1 Maximum: 80 Mean: 17.038 Standard deviation: 14.169
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 80 Format: Numeric

EPISODES: Total number of episodes for individual**Data file: SISEAYDD2024V1****Overview**

Valid: 14026206 Invalid: 0 Minimum: 1 Maximum: 80 Mean: 33.075 Standard deviation: 18.138
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 80 Format: Numeric

STARTDATE: Start date of episode (inclusive)**Data file: SISEAYDD2024V1****Overview**

Valid: 14026206 Minimum: 1992-03-01 Maximum: 2023-12-31
 Type: Discrete Width: 11 Range: - Format: character

ENDDATE: End date of episode (inclusive)**Data file: SISEAYDD2024V1****Overview**

Valid: 14026206 Minimum: 1992-03-01 Maximum: 2023-12-31
 Type: Discrete Width: 11 Range: - Format: character

DAYS: Duration in days of episode**Data file: SISEAYDD2024V1****Overview**

Valid: 14026206 Invalid: 0 Minimum: 1 Maximum: 366 Mean: 168.268 Standard deviation: 102.669
 Type: Continuous Decimal: 0 Width: 9 Range: 1 - 366 Format: Numeric

CALENDARYEAR: Calendar year during episode**Data file: SISEAYDD2024V1****Overview**

Valid: 14026206 Invalid: 0 Minimum: 1992 Maximum: 2023 Mean: 2012.003 Standard deviation: 8.266
 Type: Continuous Decimal: 0 Width: 9 Range: 1992 - 2023 Format: Numeric

AGE: Age in completed years during episode**Data file: SISEAYDD2024V1****Overview**

Valid: 14026206 Invalid: 0 Minimum: 0 Maximum: 199 Mean: 25.383 Standard deviation: 18.836
 Type: Continuous Decimal: 0 Width: 9 Range: 0 - 199 Format: Numeric

BORN: Episode starts with the birth of the individual**Data file: SISEAYDD2024V1****Overview**

Valid: 14026206 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	13895409	99.1%
1	Yes	130797	0.9%

ENUMERATION: Episode starts with an enumeration**Data file: SISEAYDD2024V1****Overview**

Valid: 14026206 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	13713040	97.8%
1	Yes	313166	2.2%

INMIGRATION: Episode starts with an in-migration**Data file: SISEAYDD2024V1**

Overview

Valid: 14026206 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	13589371	96.9%
1	Yes	436835	3.1%

LOCATIONENTRY: Episode starts with an internal migration

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 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	13972271	99.6%
1	Yes	53935	0.4%

EXTRESSTART: Flag to indicate start of external residence

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 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	13618476	97.1%
1	Yes	407730	2.9%

PARTICIPATION: Resumed participation after refusal**Data file: SISEAYDD2024V1****Overview**

Valid: 14026206 Invalid: 0
Type: Discrete Decimal: 0 Width: 9 Range: 0 - 0 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		14026206	100%

DIED: Episode ends with the death of the individual**Data file: SISEAYDD2024V1****Overview**

Valid: 14026206 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	13970157	99.6%
1	Yes	56049	0.4%

OUTMIGRATION: Episode ends with the out-migration**Data file: SISEAYDD2024V1****Overview**

Valid: 14026206 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	13427828	95.7%
1	Yes	598378	4.3%

LOCATIONEXIT: Episode ends with an internal migration

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 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	13972271	99.6%
1	Yes	53935	0.4%

EXTRESEND: Flag to indicate end of external residence

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 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	13806379	98.4%
1	Yes	219827	1.6%

REFUSAL: Individual refused follow-up

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 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	14022968	100%
1	Yes	3238	0%

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

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 Invalid: 0
 Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		13981238	99.7%
1		44968	0.3%

CURRENT: Individual still under surveillance

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 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	13663408	97.4%
1	Yes	362798	2.6%

HHRELATIONSHIP: Relationship to head of household changed during this episode

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 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	13922739	99.3%
1	Yes	103467	0.7%

MEMBERSHIPSTART: Flag to indicate start of household membership

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 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	13225583	94.3%
1	Yes	800623	5.7%

MEMBERSHIPEND: Flag to indicate end of household membership

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 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	13225583	94.3%
1	Yes	800623	5.7%

GAPSTART: Start of a gap in individual exposure record

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 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	14009460	99.9%
1	Yes	16746	0.1%

GAPEND: End of gap in individual exposure record

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 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	14009460	99.9%
1	Yes	16746	0.1%

AGECHANGE: Flag age changed

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 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	7612214	54.3%
1	Yes	6413992	45.7%

YRCHANGE: Flag calendar year changed

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 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	7788289	55.5%
1	Yes	6237917	44.5%

MEMBERSHIPS: Number of concurrent household memberships

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 Invalid: 0
 Type: Discrete Decimal: 0 Width: 9 Range: 1 - 11 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1		13633319	97.2%
2		371110	2.6%
3		19641	0.1%
4		1578	0%
5		447	0%
6		65	0%
8		24	0%
9		7	0%
10		1	0%

11		14	0%
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EDUCATIONSTATUS:

Data file: SISEAYDD2024V1

Overview

Valid: 10076317 Invalid: 3949889

Type: Discrete Decimal: 0 Width: 18 Range: -1 - 99 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
-1	Unknown	198128	2%
0	Grade 0	221828	2.2%
1	Grade 1	297695	3%
2	Grade 2	389851	3.9%
3	Grade 3	421064	4.2%
4	Grade 4	502148	5%
5	Grade 5	438300	4.3%
6	Grade 6	500704	5%
7	Grade 7	565700	5.6%
8	Grade 8	598439	5.9%
9	Grade 9	582029	5.8%
10	Grade 10	838676	8.3%
11	Grade 11	854992	8.5%
12	Grade 12	3147477	31.2%
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	519286	5.2%
99	Not attending	0	0%
Sysmiss		3949889	

CHILDRENBORN: Number of babies delivered at start of episode

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 Invalid: 0
 Type: Discrete Decimal: 0 Width: 11 Range: 0 - 8 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	None	13909298	99.2%
1	Singleton	115532	0.8%
2	Twin	1360	0%
3	Triplet	14	0%
4	Quadruplet	2	0%
5	Quintuplets	0	0%
6	Sextuplets	0	0%
7	Septuplets	0	0%
8	Octuplets	0	0%

CHILDRENEVERBORN: Number of children ever born to individual

Data file: SISEAYDD2024V1

Overview

Valid: 14026206 Invalid: 0
 Type: Discrete Decimal: 0 Width: 9 Range: 0 - 17 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		11869095	84.6%
1		1067545	7.6%
2		499335	3.6%
3		251386	1.8%
4		137039	1%
5		84138	0.6%
6		48240	0.3%
7		32207	0.2%
8		18079	0.1%
9		9838	0.1%
10		5244	0%
11		2308	0%
12		970	0%
13		502	0%
14		162	0%
15		48	0%
16		48	0%
17		22	0%