

**South Africa**

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**AHRI.Surveillance Episodes YrAgeDel\_HSE\_Labour\_Partners**

**Study Documentation**

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# Metadata Production

<b>Metadata Producer(s)</b>	Africa Health Research Institute (AHRI)
<b>Identification</b>	DDI.AHRI.Surveillance.Episodes.YrAgeDel.HSE.Labour.Partners

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## AHRI.Surveillance Episodes YrAgeDel\_HSE\_Labour\_Partners

### Overview

<b>Identification</b>	AHRI.Surveillance.Episodes.YrAgeDel.HSE.Labour.Partners
<b>Version</b>	v2.0.0

### Abstract

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

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

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

The following are the versions of the Demographic surveillance datasets:

CoresidencyEpisodes  
 EducationCleaned  
 EducationStatuses  
 HIVStatusEpisodes  
 HouseholdAssets  
 HouseholdMap  
 HouseholdObservations  
 HouseholdSocioEconomicStatus  
 HouseholdStatusEpisodes  
 IndividualHSEEpisodes  
 IndividualMap  
 LabourEpisodes  
 LabourStatuses  
 LocationMap  
 MaritalStatuses  
 PartnerEpisodes  
 SurveillanceEpisodesBasic  
 SurveillanceEpisodesYTAge  
 SurveillanceEpisodes YrAge\_Coresidency  
 SurveillanceEpisodesYrAge\_HIV  
 SurveillanceEpisodes VrAge\_HSE  
 SurveillanceEpisodes YrAge\_Labour  
 SurveillanceEpisodesYrAge\_Partners  
 SurveillanceEpisodesYrAgeDel

SurveillanceEpisodes VrAgeDel_HSE SurveillanceEpisodesYrAgeDeL_HSE_Labour SurveillanceEpisodesYrAgeDeL_HSE_Labour_Partner_Parents SurveillanceEpisodes VrAgeDel_HSE_Labour_Partner_Parents_HIV SurveillanceEpisodesYrAgeDeL_HSE_Labour_Partners	
<b>Kind of Data</b>	Event History Data
<b>Unit of Analysis</b>	Episodes of exposure

<b>Scope &amp; Coverage</b>	
<b>Keywords</b>	Fertility, Mortality, Migration, Social-economic status, HIV, ART
<b>Topics</b>	Surveillance Episodes Year Age Delivery_HSE_Labour_Partners
<b>Time Period(s)</b>	2000-2024
<b>Countries</b>	South Africa
<b>Geographic Coverage</b> 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 845km2 in size.	
<b>Universe</b> 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.	

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

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

## Data Collection

<b>Data Collection Dates</b>	start 2000-01-01 end 2024-12-31
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## Data Processing & Appraisal

### 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 .

## Accessibility

### Access Conditions

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

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

### Citation Requirements

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

DOI:<https://doi.org/10.23664/AHRI.SURVEILLANCE.EPISODES.YRAGEDEL.HSE.LABOUR.PARTNERS>

# Files Description

Dataset contains 1 file(s)

<b>SurveillanceEpisodesYrAgeDel_HSE_Labour_Partners</b>	
<b># Cases</b>	9322937
<b># Variable(s)</b>	47

# Variables List

Dataset contains 47 variable(s)

File SurveillanceEpisodesYrAgeDel_HSE_Labour_Partners							
#	Name	Label	Type	Format	Valid	Invalid	Question
1	<a href="#">Individu..</a>	Unique individual identifier	continuous	numeric-9.0	9322937	0	-
2	<a href="#">Sex</a>	Sex of individual	discrete	numeric-9.0	9322937	0	-
3	<a href="#">DoB</a>	Date of birth	discrete	character-11	9322915	-	-
4	<a href="#">DoD</a>	Date of death	discrete	character-11	782729	-	-
5	<a href="#">MotherId</a>	Mother's IndividualId	continuous	numeric-9.0	6474174	2848763	-
6	<a href="#">FatherId</a>	Father's IndividualId	continuous	numeric-9.0	3404764	5918173	-
7	<a href="#">LocationId</a>	Where individual was resident, household residence if non-resident	continuous	numeric-9.0	9322937	0	-
8	<a href="#">Househol..</a>	Unique household identifier of the household the individual is a member of	continuous	numeric-9.0	9322937	0	-
9	<a href="#">HHRelati..</a>	Relationship to head of household	discrete	numeric-22.0	9322937	0	-
10	<a href="#">Resident</a>	Whether individual is resident for duration of episode	discrete	numeric-15.0	9322937	0	-
11	<a href="#">Episode</a>	This episode number (first=1, last=Episodes)	continuous	numeric-9.0	9322937	0	-
12	<a href="#">Episodes</a>	Total number of episodes for individual	continuous	numeric-9.0	9322937	0	-
13	<a href="#">StartDate</a>	Start date of episode (inclusive)	discrete	character-11	9322937	-	-
14	<a href="#">EndDate</a>	End date of episode (inclusive)	discrete	character-11	9322937	-	-
15	<a href="#">Days</a>	Duration in days of episode	continuous	numeric-9.0	9322937	0	-
16	<a href="#">Calendar..</a>	Calendar year during episode	continuous	numeric-9.0	9322937	0	-
17	<a href="#">Age</a>	Age in completed years during episode	continuous	numeric-9.0	9322937	0	-
18	<a href="#">Born</a>	Episode starts with the birth of the individual	discrete	numeric-15.0	9322937	0	-
19	<a href="#">Enumerat..</a>	Episode starts with an enumeration	discrete	numeric-15.0	9322937	0	-
20	<a href="#">InMigrat..</a>	Episode starts with an in-migration	discrete	numeric-15.0	9322937	0	-
21	<a href="#">Location..</a>	Episode starts with an internal migration	discrete	numeric-15.0	9322937	0	-
22	<a href="#">ExtResSt..</a>	Flag to indicate start of external residence	discrete	numeric-15.0	9322937	0	-
23	<a href="#">Particip..</a>	Resumed participation after refusal	discrete	numeric-15.0	9322937	0	-
24	<a href="#">Died</a>	Episode ends with the death of the individual	discrete	numeric-15.0	9322937	0	-

<b>File SurveillanceEpisodesYrAgeDel_HSE_Labour_Partners</b>							
#	Name	Label	Type	Format	Valid	Invalid	Question
25	<a href="#">OutMigra ..</a>	Episode ends with the out-migration	discrete	numeric-15.0	9322937	0	-
26	<a href="#">Location ..</a>	Episode ends with an internal migration	discrete	numeric-15.0	9322937	0	-
27	<a href="#">ExtResEnd</a>	Flag to indicate end of external residence	discrete	numeric-15.0	9322937	0	-
28	<a href="#">Refusal</a>	Individual refused follow-up	discrete	numeric-15.0	9322937	0	-
29	<a href="#">LostToFo ..</a>	Individual was lost to follow-up at the end of the episode	discrete	numeric-15.0	9322937	0	-
30	<a href="#">Current</a>	Individual still under surveillance	discrete	numeric-15.0	9322937	0	-
31	<a href="#">HHRelati ..</a>	Relationship to head of household changed during this episode	discrete	numeric-15.0	9322937	0	-
32	<a href="#">Membersh ..</a>	Flag to indicate start of household membership	discrete	numeric-15.0	9322937	0	-
33	<a href="#">Membersh ..</a>	Flag to indicate end of household membership	discrete	numeric-15.0	9322937	0	-
34	<a href="#">GapStart</a>	Start of a gap in individual exposure record	discrete	numeric-15.0	9322937	0	-
35	<a href="#">GapEnd</a>	End of gap in individual exposure record	discrete	numeric-15.0	9322937	0	-
36	<a href="#">AgeChange</a>	Flag age changed	discrete	numeric-15.0	9322937	0	-
37	<a href="#">YrChange</a>	Flag calendar year changed	discrete	numeric-15.0	9322937	0	-
38	<a href="#">Membersh ..</a>	Number of concurrent household memberships	continuous	numeric-9.0	9322937	0	-
39	<a href="#">Educatio ..</a>	Education level achieved during this calendar year	discrete	numeric-18.0	7139936	2183001	-
40	<a href="#">Children ..</a>	Number of babies delivered at start of episode	discrete	numeric-11.0	9322937	0	-
41	<a href="#">Children ..</a>	Number of children ever born to individual	discrete	numeric-9.0	9322937	0	-
42	<a href="#">Observat ..</a>	Link to HouseholdObservations & HouseholdSocioEconomicStat	continuous	numeric-9.0	7660895	1662042	-
43	<a href="#">Househol ..</a>	Change in household socio-economic status	discrete	numeric-15.0	7940270	1382667	-
44	<a href="#">Employme ..</a>	Employment Status	discrete	numeric-15.0	4432190	4890747	-
45	<a href="#">Employme ..</a>	Flag to indicate change in employment status	discrete	numeric-15.0	4781487	4541450	-
46	<a href="#">PartnerS ..</a>	Partner Status	discrete	numeric-17.0	5874692	3448245	-
47	<a href="#">PartnerS ..</a>	Flag to indicate change in partnership status	discrete	numeric-15.0	5874692	3448245	-

# Variables Description

Dataset contains 47 variable(s)

## File : SurveillanceEpisodesYrAgeDel\_HSE\_Labour\_Partners

### # IndividualId: Unique individual identifier

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

**Statistics [NW/ W]** [Valid=9322937 /-] [Invalid=0 /-] [Mean=118826.166 /-] [StdDev=77532.459 /-]

### # Sex: Sex of individual

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

**Statistics [NW/ W]** [Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
0		90	0.0%
1	Male	4395622	47.1%
2	Female	4927225	52.9%
3	Unknown	0	

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

### # DoB: Date of birth

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

**Statistics [NW/ W]** [Valid=9322915 /-]

### # DoD: Date of death

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

**Statistics [NW/ W]** [Valid=782729 /-]

### # MotherId: Mother's IndividualId

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

**Statistics [NW/ W]** [Valid=6474174 /-] [Invalid=2848763 /-] [Mean=155841.075 /-] [StdDev=66259.823 /-]

### # FatherId: Father's IndividualId

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

**Statistics [NW/ W]** [Valid=3404764 /-] [Invalid=5918173 /-] [Mean=164687.917 /-] [StdDev=59396.637 /-]

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

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

**Statistics [NW/ W]** [Valid=9322937 /-] [Invalid=0 /-] [Mean=18504.585 /-] [StdDev=10755.656 /-]

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

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

**Statistics [NW/ W]** [Valid=9322937 /-] [Invalid=0 /-] [Mean=20440.308 /-] [StdDev=11779.843 /-]

### # HHRelationshipTypeId: Relationship to head of household

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

**Statistics [NW/ W]** [Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Head	1226045	13.2%
2	Spouse	467473	5.0%
3	Child	3168973	34.0%
4	Son/Daughter-inlaw	42724	0.5%
5	Grandchild	2063856	22.1%
6	Parent	66640	0.7%

## File : SurveillanceEpisodesYrAgeDel\_HSE\_Labour\_Partners

### # HHRelationshipTypeId: Relationship to head of household

Value	Label	Cases	Percentage
7	Parent-inlaw	2491	0.0%
8	Grandparent	11340	0.1%
9	Sibling	1582822	17.0%
10	Other relative	20873	0.2%
11	Domestic worker/tenant	487187	5.2%
12	Unrelated/Other	182513	2.0%

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

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

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	2741446	29.4%
1	Yes	6581491	70.6%

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

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

<b>Information</b>	[Type= continuous] [Format=numeric] [Range= 1-152] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-] [Invalid=0 /-] [Mean=28.241 /-] [StdDev=22.266 /-]

### # Episodes: Total number of episodes for individual

<b>Information</b>	[Type= continuous] [Format=numeric] [Range= 1-152] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-] [Invalid=0 /-] [Mean=55.482 /-] [StdDev=26.797 /-]

### # StartDate: Start date of episode (inclusive)

<b>Information</b>	[Type= discrete] [Format=character] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-]

### # EndDate: End date of episode (inclusive)

<b>Information</b>	[Type= discrete] [Format=character] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-]

### # Days: Duration in days of episode

<b>Information</b>	[Type= continuous] [Format=numeric] [Range= 0-366] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-] [Invalid=0 /-] [Mean=111.1 /-] [StdDev=86.849 /-]

### # CalendarYear: Calendar year during episode

<b>Information</b>	[Type= continuous] [Format=numeric] [Range= 2000-2024] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-] [Invalid=0 /-] [Mean=2013.936 /-] [StdDev=7.297 /-]

### # Age: Age in completed years during episode

<b>Information</b>	[Type= continuous] [Format=numeric] [Range= 0-1499] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-] [Invalid=0 /-] [Mean=25.832 /-] [StdDev=18.289 /-]

### # Born: Episode starts with the birth of the individual

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
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## File : SurveillanceEpisodesYrAgeDel\_HSE\_Labour\_Partners

### # Born: Episode starts with the birth of the individual

Statistics [NW/ W] [Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9273481	99.5%
1	Yes	49456	0.5%

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

### # Enumeration: Episode starts with an enumeration

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

Statistics [NW/ W] [Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9184150	98.5%
1	Yes	138787	1.5%

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

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

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

Statistics [NW/ W] [Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9165251	98.3%
1	Yes	157686	1.7%

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

### # LocationEntry: Episode starts with an internal migration

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

Statistics [NW/ W] [Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9270023	99.4%
1	Yes	52914	0.6%

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

### # ExtResStart: Flag to indicate start of external residence

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

Statistics [NW/ W] [Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9146853	98.1%
1	Yes	176084	1.9%

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

### # Participation: Resumed participation after refusal

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

Statistics [NW/ W] [Valid=9322937 /-] [Invalid=0 /-]

## File : SurveillanceEpisodesYrAgeDel\_HSE\_Labour\_Partners

### # Participation: Resumed participation after refusal

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9322937	100.0%
1	Yes	0	

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

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

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9295233	99.7%
1	Yes	27704	0.3%

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

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

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9099115	97.6%
1	Yes	223822	2.4%

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

### # LocationExit: Episode ends with an internal migration

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9270023	99.4%
1	Yes	52914	0.6%

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

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

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9229636	99.0%
1	Yes	93301	1.0%

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

### # Refusal: Individual refused follow-up

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-] [Invalid=0 /-]

## File : SurveillanceEpisodesYrAgeDel\_HSE\_Labour\_Partners

### # Refusal: Individual refused follow-up

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9320221	100.0%
1	Yes	2716	0.0%

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

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

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-] [Invalid=0 /-]

### # Current: Individual still under surveillance

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9163733	98.3%
1	Yes	159204	1.7%

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

### # HHRelationship: Relationship to head of household changed during this episode

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9253140	99.3%
1	Yes	69797	0.7%

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

### # MembershipStart: Flag to indicate start of household membership

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	8977698	96.3%
1	Yes	345239	3.7%

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

### # MembershipEnd: Flag to indicate end of household membership

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	8977698	96.3%
1	Yes	345239	3.7%

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

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### # GapStart: Start of a gap in individual exposure record

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

**Statistics [NW/ W]** [Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9308105	99.8%
1	Yes	14832	0.2%

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

### # GapEnd: End of gap in individual exposure record

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

**Statistics [NW/ W]** [Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	9308105	99.8%
1	Yes	14832	0.2%

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

### # AgeChange: Flag age changed

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

**Statistics [NW/ W]** [Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	6503015	69.8%
1	Yes	2819922	30.2%

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

### # YrChange: Flag calendar year changed

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

**Statistics [NW/ W]** [Valid=9322937 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	6629164	71.1%
1	Yes	2693773	28.9%

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

### # Memberships: Number of concurrent household memberships

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

**Statistics [NW/ W]** [Valid=9322937 /-] [Invalid=0 /-] [Mean=1.072 /-] [StdDev=0.278 /-]

### # EducationStatus: Education level achieved during this calendar year

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

**Statistics [NW/ W]** [Valid=7139936 /-] [Invalid=2183001 /-]

Value	Label	Cases	Percentage
-1	Unknown	120101	1.7%
0	Grade 0	95219	1.3%

## File : SurveillanceEpisodesYrAgeDel\_HSE\_Labour\_Partners

### # EducationStatus: Education level achieved during this calendar year

Value	Label	Cases	Percentage
1	Grade 1	198450	2.8%
2	Grade 2	257198	3.6%
3	Grade 3	264079	3.7%
4	Grade 4	343337	4.8%
5	Grade 5	258563	3.6%
6	Grade 6	283107	4.0%
7	Grade 7	383526	5.4%
8	Grade 8	384028	5.4%
9	Grade 9	377269	5.3%
10	Grade 10	606648	8.5%
11	Grade 11	637187	8.9%
12	Grade 12	2410447	33.8%
13	Special School	0	
21	Higher Certificate	0	
22	National Diploma	0	
23	Degree	0	
24	Honours	0	
25	Masters	0	
26	Doctors	0	
31	ABET 1	0	
32	ABET 2	0	
33	ABET 3	0	
34	ABET 4	0	
41	FET 1	0	
42	FET 2	0	
43	FET 3	0	
50	LT 1 year	0	
51	Creche	0	
96	Refused	0	
97	NAD	0	
98	No education	520777	7.3%
99	Not attending	0	
Sysmiss		2183001	

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

### # ChildrenBorn: Number of babies delivered at start of episode

Value	Label	Cases	Percentage
0	None	9278088	99.5%
1	Singleton	44162	0.5%
2	Twin	676	0.0%
3	Triplet	9	0.0%
4	Quadruplet	2	0.0%

## File : SurveillanceEpisodesYrAgeDel\_HSE\_Labour\_Partners

### # ChildrenBorn: Number of babies delivered at start of episode

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

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

### # ChildrenEverBorn: Number of children ever born to individual

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-16] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=9322937 /-] [Invalid=0 /-]

### # ObservationId: Link to HouseholdObservations & HouseholdSocioEconomicStatus

<b>Information</b>	[Type= continuous] [Format=numeric] [Range= 1-290708] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=7660895 /-] [Invalid=1662042 /-] [Mean=161751.512 /-] [StdDev=75551.664 /-]

### # HouseholdStatusChange: Change in household socio-economic status

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=7940270 /-] [Invalid=1382667 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	5604498	70.6%
1	Yes	2335772	29.4%
Sysmiss		1382667	

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

### # EmploymentStatus: Employment Status

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-15] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=4432190 /-] [Invalid=4890747 /-]

Value	Label	Cases	Percentage
0	Missing/Refused	0	
1	Employed	1403904	31.7%
2	Part-time	224389	5.1%
13	Education	430961	9.7%
15	Unemployed	2372936	53.5%
Sysmiss		4890747	

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

### # EmploymentStatusChange: Flag to indicate change in employment status

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= -1-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=4781487 /-] [Invalid=4541450 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	4354523	91.1%
1	Yes	426964	8.9%
Sysmiss		4541450	

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

## File : SurveillanceEpisodesYrAgeDel\_HSE\_Labour\_Partners

### # PartnerStatus: Partner Status

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

**Statistics [NW/ W]** [Valid=5874692 /-] [Invalid=3448245 /-]

Value	Label	Cases	Percentage
0	Missing/Refused	0	
1	No partner	1668670	28.4%
2	Married	785673	13.4%
3	Regular	2952511	50.3%
4	Casual	163166	2.8%
5	Widowed/Separated	304672	5.2%
Sysmiss		3448245	

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

### # PartnerStatusChange: Flag to indicate change in partnership status

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

**Statistics [NW/ W]** [Valid=5874692 /-] [Invalid=3448245 /-]

Value	Label	Cases	Percentage
-1	Unknown/Missing	0	
0	No	5279890	89.9%
1	Yes	594802	10.1%
Sysmiss		3448245	

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