

South Africa

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AHRI.Tier.Net.Release 2020-09

Study Documentation

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Metadata Production

Metadata Producer(s)	Africa Health Research Institute (AHRI)
Identification	DDI.Tier.Net.202009.v3

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AHRI.Tier.Net.Release 2020-09

Overview

Identification	AHRI.Tier.Net.202009.v3
Version	v3.0.0

Abstract

TIER.net is an electronic patient management system that is used for monitoring and evaluation of HIV care and treatment programmes in government health facilities throughout South Africa. The system was designed as part of a 3-tier approach to implementing a full electronic medical records (EMR) system. This approach provides a flexible solution that allows facilities to transition towards EMR in stages, as their infrastructure improves, and resources become available. TIER.net forms the second tier, whereby patient's paper clinical records are entered into a non-networked computer at the health facility and transferred periodically to a central database.

The TIER.net database contains information on clinic visit attendance, laboratory results and ART dispensing records for all patients on ART. The system was implemented in uMkhanyakude district in 2013; patient records from all visits before 2013 were back-captured into the system. AHRI has a memorandum of agreement with the Department of Health to receive the TIER.net data for the 17 clinics in the Hlabisa health sub-district and Hlabisa hospital. A dedicated data entry clerk based in each clinic enters information from patients' paper clinical records into the TIER.net system after each patient visit. Laboratory results are manually entered into TIER.net after they have been received by the clinic (i.e. are not imported electronically from the National Health Laboratory Service (NHLS) system). Currently, pre-ART visits are not recorded in TIER.net, although modules to capture HIV testing and pre-ART care may be implemented in the future.

AHRI's new clinical database - ACCDB (Africa Centre Clinical Database)

TIER.net has been integrated with AHRI's previous HIV care clinical database (ARTemis), which contains records for HIV positive patients in care at 7 clinics in the sub-district, to create a new combined clinical database, ACCDB. The ACCDB contains clinical records for all HIV positive patients on ART since 2004, when the Hlabisa HIV treatment and Care programme was implemented. Linkage between the two databases is based on personal identifiers, using algorithms developed at AHRI.

The patient records in ARTemis were captured prospectively by AHRI clinical staff from 2004 until 2012, whereas records from this period were back-captured into TIER.net. Therefore, the information in ARTemis pre-2013 was used to fill in missing data in TIER.net, with the following decision rules:

Patients who had records in TIER.net and not in ARTemis: All information retained

Patients who had records in ARTemis but not in TIER.net: No pre-ART records retained (TIER.net only contains records after ART initiation, whereas ARTemis also captured pre-ART information). Retained in new database if the patient started ART and died, transferred out, or was lost to follow-up before 2013.

Patients on ART with records in ARTemis from 2013 onwards, but no record in TIER, were assumed to be a result of a linkage mismatch and were not retained.

Patients who had records in both TIER.net and ARTemis: Visit records from TIER.net only (i.e. visits records from ARTemis are not combined with those in TIER). Laboratory results from ARTemis up to 2013 are combined with results in TIER

The new clinical database has been linked with the AHRI population surveillance database (ACDIS) and the Hlabisa hospital admissions database (HIS). A longitudinal analysis of the HIV care cascade (Haber et al. From HIV infection to therapeutic response: a population-based longitudinal HIV cascade-of-care study in KwaZulu-Natal, South Africa. *Lancet HIV* 2017; 4(5):e223-e230) has been rerun on the new combined TIER.net and ARTemis data, and results are consistent with those obtained from the ARTemis data alone (although the pre-ART stages must be excluded).

TIER.net data are transferred to AHRI from the central Department of Health on a monthly basis and integrated into ACCDB bi-annually, and the linkages with ACDIS and HIS are updated. (The linkage with the ARTemis database is not re-run since this database is no longer active).

In April 2017, there were >47,000 individuals on ART in the TIER database, of whom approximately 12,000 were linked to ACDIS and 6500 were linked to HIS.

Although TIER.Net data has been included up to July 2017, the current dataset should be analysed only up to end 2016, because it has been linked to the Dec 2016 analytical database. The updated ACCDB data for 2017 will be available towards the end of the first quarter of 2018, linked to the end of 2017 analytical database release.

Unit of Analysis	Individual
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Scope & Coverage

Keywords	Individuals
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Topics	Tier.Net
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Time Period(s)	2004-2020
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Countries	South Africa
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Producers & Sponsors

Primary Investigator(s)	Kobus Herbst, Africa Health Research Institute; South African Population Research Infrastructure Network Sweetness Dube, Africa Health Research Institute Kathy Baisley, Africa Health Research Institute Dickman Gareta, Africa Health Research Institute
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Other Producer(s)	Africa Health Research Institute (AHRI)
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Other Acknowledgment(s)	KZN Department Of Health
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Data Collection

Data Collection Dates	start 2004-01-01 end 2020-03-31
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Accessibility

Access Conditions

The representative of the Receiving Organization agrees to comply with the following conditions:

1. Access to the restricted data will be limited to the Lead Researcher and other members of the research team listed in this request.
2. Copies of the restricted data or any data created on the basis of the original data will not be copied or made available to anyone other than those mentioned in this Data Access Agreement, unless formally authorized by the Data Archive.
3. The data will only be processed for the stated statistical and research purpose. They will be used for solely for reporting of aggregated information, and not for investigation of specific individuals or organizations. Data will not in any way be used for any administrative, proprietary or law enforcement purposes.
4. The Lead Researcher must state if it is their intention to match the restricted microdata with any other micro-dataset. If any matching is to take place, details must be provided of the datasets to be matched and of the reasons for the matching. Any datasets created as a result of matching will be considered to be restricted and must comply with the terms of this Data Access Agreement.
5. The Lead Researcher undertakes that no attempt will be made to identify any individual person, family, business, enterprise or organization. If such a unique disclosure is made inadvertently, no use will be made of the identity of any person or establishment discovered and full details will be reported to the Data Archive. The identification will not be revealed to any other person not included in the Data Access Agreement.

6. The Lead Researcher will implement security measures to prevent unauthorized access to licensed microdata acquired from the Data Archive. The microdata must be destroyed upon the completion of this research, unless the Data Archive obtains satisfactory guarantee that the data can be secured and provides written authorization to the Receiving Organization to retain them. Destruction of the microdata will be confirmed in writing by the Lead Researcher to the Data Archive.
7. Any books, articles, conference papers, theses, dissertations, reports, or other publications that employ data obtained from the Data Archive will cite the source of data in accordance with the citation requirement provided with the dataset.
8. An electronic copy of all reports and publications based on the requested data will be sent to the Data Archive.
9. The original collector of the data, the Data Archive, and the relevant funding agencies bear no responsibility for use of the data or for interpretations or inferences based upon such uses.
10. This agreement will come into force on the date that approval is given for access to the restricted dataset and remain in force until the completion date of the project or an earlier date if the project is completed ahead of time.
11. If there are any changes to the project specification, security arrangements, personnel or organization detailed in this application form, it is the responsibility of the Lead Researcher to seek the agreement of the Data Archive to these changes. Where there is a change to the employer organization of the Lead Researcher this will involve a new application being made and termination of the original project.
12. Breaches of the agreement will be taken seriously and the Data Archive will take action against those responsible for the lapse if willful or accidental. Failure to comply with the directions of the Data Archive will be deemed to be a major breach of the agreement and may involve recourse to legal proceedings. The Data Archive will maintain and share with partner data archives a register of those individuals and organizations which are responsible for breaching the terms of the Data Access Agreement and will impose sanctions on release of future data to these parties.

Citation Requirements

Herbst, K. et al. (2020) "AHRI.Tier.Net.Release 2020-09." Africa Health Research Institute (AHRI). doi: 10.23664/AHRI.TIER.NET.202009

Files Description

Dataset contains 5 file(s)

EncounterEpisodes_2020v1	
# Cases	384771
# Variable(s)	12

Encounters_2020v1	
# Cases	2695725
# Variable(s)	5

LabResults_2020v1	
# Cases	707959
# Variable(s)	9

ClinicalDbMatches_2020v1	
# Cases	109459
# Variable(s)	13

Individuals_2020v1	
# Cases	109459
# Variable(s)	4

Variables List

Dataset contains 43 variable(s)

File EncounterEpisodes_2020v1							
#	Name	Label	Type	Format	Valid	Invalid	Question
1	Encounte ..	-	continuous	numeric-12.0	384771	0	-
2	Encounte ..	Type of episode	discrete	numeric-12.0	384771	0	-
3	Individu ..	-	continuous	numeric-12.0	384771	0	-
4	LocationId	Health facility	discrete	numeric-12.0	384771	0	-
5	StartEve ..	Event at episode start	discrete	numeric-12.0	384771	0	-
6	OutcomeId	Outcome at end of episode	discrete	numeric-12.0	384771	0	-
7	EpisodeS ..	Start of episode	discrete	character-11	384771	-	-
8	EpisodeE ..	End of episode	discrete	character-11	384274	-	-
9	Treatmen ..	Bitmap of drugs	continuous	numeric-12.0	381270	3501	-
10	Treatment	-	discrete	character-20	358370	0	-
11	EpisodeNr	Episode sequence number per individual	continuous	numeric-12.0	384771	0	-
12	EpisodeC ..	Number of episodes per individual	continuous	numeric-12.0	384771	0	-

File Encounters_2020v1							
#	Name	Label	Type	Format	Valid	Invalid	Question
1	Encounte ..	-	continuous	numeric-12.0	2695725	0	-
2	Individu ..	-	continuous	numeric-12.0	2695725	0	-
3	LocationId	Health facility	discrete	numeric-12.0	2695703	22	-
4	Encounte ..	Type of visit	discrete	numeric-12.0	2695725	0	-
5	Encounte ..	-	discrete	character-11	2695725	-	-

File LabResults_2020v1							
#	Name	Label	Type	Format	Valid	Invalid	Question
1	Individu ..	-	continuous	numeric-12.0	707959	0	-
2	Encounte ..	-	continuous	numeric-12.0	345116	362843	-
3	Investig ..	Unique investigation identifier	continuous	numeric-12.0	707959	0	-
4	Investig ..	Type of investigation	discrete	numeric-12.0	707959	0	-
5	ResultId	Unique result identifier	continuous	numeric-12.0	707959	0	-
6	ResultDate	-	discrete	character-11	707959	-	-
7	ResultTy ..	Type of test	discrete	numeric-12.0	707959	0	-
8	ResultVa ..	-	continuous	numeric-10.0	706771	1188	-
9	ResultSt ..	Status of result	discrete	numeric-12.0	707959	0	-

File ClinicalDbMatches_2020v1							
#	Name	Label	Type	Format	Valid	Invalid	Question
1	Individu ..	Clinical Db Id	continuous	numeric-12.0	109459	0	-
2	Sex	Sex	discrete	numeric-12.0	109459	0	-
3	DateOfBi ..	Date of birth	discrete	character-11	109458	-	-
4	DateOfDe ..	Date of death	discrete	character-11	2854	-	-
5	ACDIS_II ..	PIP Individual identifier	continuous	numeric-12.0	23188	86271	-
6	ACDIS_Ma ..	PIP match method	discrete	character-31	19363	0	-
7	ACDIS_Ma ..	PIP match score	continuous	numeric-10.0	23188	86271	-
8	Artemis_ ..	Artemis individual identifier	continuous	numeric-12.0	39339	70120	-
9	Artemis_ ..	Artemis match method	discrete	character-31	39339	0	-
10	Artemis_ ..	Artemis match score	continuous	numeric-10.0	35529	73930	-
11	ACHIS_Pa ..	Hospital Information System individual identifier	continuous	numeric-12.0	15200	94259	-
12	ACHIS_Ma ..	Hospital Information System match method	discrete	character-31	15200	0	-
13	ACHIS_Ma ..	Hospital Information System match score	continuous	numeric-10.0	15200	94259	-

File Individuals_2020v1							
#	Name	Label	Type	Format	Valid	Invalid	Question
1	Individu ..	Individual identifier	continuous	numeric-12.0	109459	0	-
2	Sex	Individual gender	discrete	numeric-12.0	109459	0	-
3	DateOfBi ..	Date of birth	discrete	character-11	109458	-	-
4	DateOfDe ..	Date of death	discrete	character-11	2854	-	-

Variables Description

Dataset contains 43 variable(s)

File : EncounterEpisodes_2020v1

EncounterEpisodeId

Information [Type= continuous] [Format=numeric] [Range= 1-388844] [Missing=*]

Statistics [NW/ W] [Valid=384771 /-] [Invalid=0 /-] [Mean=192423.06 /-] [StdDev=11138.225 /-]

EncounterEpisodeTypeId: Type of episode

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=384771 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Pre-ART care	432	0.1%
2	Anti-retroviral treatment	380838	99.0%
3	TB treatment	3501	0.9%
4	MDR TB treatment	0	
5	Isoniazid preventive therapy (IPT)	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.

IndividualId

Information [Type= continuous] [Format=numeric] [Range= 1-114432] [Missing=*]

Statistics [NW/ W] [Valid=384771 /-] [Invalid=0 /-] [Mean=31636.621 /-] [StdDev=22845.863 /-]

LocationId: Health facility

Information [Type= discrete] [Format=numeric] [Range= 2887-6454] [Missing=*]

Statistics [NW/ W] [Valid=384771 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
2887	kz Hlabisa Gateway Clinic	17926	4.7%
2888	kz Hlabisa Hospital	19166	5.0%
2889	kz Hlabisa Mobile 1	3	0.0%
2891	kz Inhlwathi Clinic	19161	5.0%
2892	kz Macabuzela Clinic	16800	4.4%
2893	kz Makhowe Clinic	17976	4.7%
2894	kz Mpembeni Clinic	11671	3.0%
2923	kz Esiyembeni Clinic	3438	0.9%
2924	kz Ezwenelisha Clinic	13372	3.5%
2925	kz Gunjaneni Clinic	7597	2.0%
2926	kz KwaMsane Clinic	63103	16.4%
2927	kz Machibini Clinic	12273	3.2%
2928	kz Madwaleni Clinic	16864	4.4%
2930	kz Mpukunyoni Clinic	21840	5.7%
2931	kz Mtubatuba Clinic	54045	14.0%
2934	kz Nkundusi Clinic	27972	7.3%
2935	kz Ntondweni Clinic	5954	1.5%
2936	kz Siphon Zungu Clinic	20106	5.2%
2937	kz Somkhele Clinic	18322	4.8%
6454	kz Hluhluwe Clinic	17182	4.5%

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.

StartEventTypeId: Event at episode start

Information [Type= discrete] [Format=numeric] [Range= 1-11] [Missing=*]

File : EncounterEpisodes_2020v1

StartEventTypeId: Event at episode start

Statistics [NW/ W] [Valid=384771 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	ART Start	54641	14.2%
2	HIV Diagnosis	432	0.1%
3	Transfer In	38123	9.9%
4	Transfer Out	0	
5	Death	0	
6	Lost to Follow-up	0	
7	Care stopped	0	
8	Care interrupted	0	
9	Care resumed	253908	66.0%
10	Care changed	35050	9.1%
11	TB Treatment Start	2617	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.

OutcomeId: Outcome at end of episode

Information [Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]

Statistics [NW/ W] [Valid=384771 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Open episode	31170	8.1%
2	Condition cured	591	0.2%
3	Transferred out	25031	6.5%
4	Lost to follow-up	20901	5.4%
5	Death	4247	1.1%
6	Care stopped/completed	1635	0.4%
7	Care interrupted	281485	73.2%
8	Care changed	19682	5.1%
9	Treatment Failure	29	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.

EpisodeStartDate: Start of episode

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

Statistics [NW/ W] [Valid=384771 /-]

EpisodeEndDate: End of episode

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

Statistics [NW/ W] [Valid=384274 /-]

TreatmentFlags: Bitmap of drugs

Information [Type= continuous] [Format=numeric] [Range= 0-40976] [Missing=*]

Statistics [NW/ W] [Valid=381270 /-] [Invalid=3501 /-] [Mean=3212.086 /-] [StdDev=5990.721 /-]

Treatment

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

Statistics [NW/ W] [Valid=358370 /-] [Invalid=0 /-]

File : EncounterEpisodes_2020v1**# EpisodeNr: Episode sequence number per individual**

Information	[Type= continuous] [Format=numeric] [Range= 1-156] [Missing=*]
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Statistics [NW/ W]	[Valid=384771 /-] [Invalid=0 /-] [Mean=5.791 /-] [StdDev=6.751 /-]
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EpisodeCount: Number of episodes per individual

Information	[Type= continuous] [Format=numeric] [Range= 1-156] [Missing=*]
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Statistics [NW/ W]	[Valid=384771 /-] [Invalid=0 /-] [Mean=10.582 /-] [StdDev=10.44 /-]
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File : Encounters_2020v1

EncounterId

Information [Type= continuous] [Format=numeric] [Range= 1-2736170] [Missing=*]

Statistics [NW/ W] [Valid=2695725 /-] [Invalid=0 /-] [Mean=1371142.771 /-] [StdDev=791711.826 /-]

IndividualId

Information [Type= continuous] [Format=numeric] [Range= 1-114432] [Missing=*]

Statistics [NW/ W] [Valid=2695725 /-] [Invalid=0 /-] [Mean=26847.102 /-] [StdDev=20044.299 /-]

LocationId: Health facility

Information [Type= discrete] [Format=numeric] [Range= 2887-6454] [Missing=*]

Statistics [NW/ W] [Valid=2695703 /-] [Invalid=22 /-]

Value	Label	Cases	Percentage
2887	kz Hlabisa Gateway Clinic	83259	3.1%
2888	kz Hlabisa Hospital	164454	6.1%
2889	kz Hlabisa Mobile 1	3	0.0%
2891	kz Inhlwathi Clinic	125299	4.6%
2892	kz Macabuzela Clinic	135624	5.0%
2893	kz Makhowe Clinic	114741	4.3%
2894	kz Mpembeni Clinic	59328	2.2%
2923	kz Esiyembeni Clinic	23142	0.9%
2924	kz Ezwenelisha Clinic	93227	3.5%
2925	kz Gunjaneni Clinic	60108	2.2%
2926	kz KwaMsane Clinic	509009	18.9%
2927	kz Machibini Clinic	70246	2.6%
2928	kz Madwaleni Clinic	108086	4.0%
2930	kz Mpukunyoni Clinic	153342	5.7%
2931	kz Mtubatuba Clinic	378481	14.0%
2934	kz Nkundusi Clinic	178353	6.6%
2935	kz Ntondweni Clinic	43911	1.6%
2936	kz Siphon Zungu Clinic	135370	5.0%
2937	kz Somkhele Clinic	177866	6.6%
6454	kz Hlulhuwe Clinic	81854	3.0%
Sysmiss		22	

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.

EncounterTypeId: Type of visit

Information [Type= discrete] [Format=numeric] [Range= 1-6] [Missing=*]

Statistics [NW/ W] [Valid=2695725 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Missed Visit	400967	14.9%
2	ART Visit	2273334	84.3%
3	TB Treatment Visit	20694	0.8%
4	Pre-ART Visit	537	0.0%
5	Admission	0	
6	Study Visit	193	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.

File : Encounters_2020v1**# EncounterDate**

Information	[Type= discrete] [Format=character] [Missing=*]
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Statistics [NW/ W]	[Valid=2695725 /-]
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File : LabResults_2020v1

IndividualId

Information [Type= continuous] [Format=numeric] [Range= 1-114412] [Missing=*]

Statistics [NW/ W] [Valid=707959 /-] [Invalid=0 /-] [Mean=26516.171 /-] [StdDev=18588.313 /-]

EncounterId

Information [Type= continuous] [Format=numeric] [Range= 14-2736151] [Missing=*]

Statistics [NW/ W] [Valid=345116 /-] [Invalid=362843 /-] [Mean=1072781.624 /-] [StdDev=710173.452 /-]

InvestigationId: Unique investigation identifier

Information [Type= continuous] [Format=numeric] [Range= 1-294177] [Missing=*]

Statistics [NW/ W] [Valid=707959 /-] [Invalid=0 /-] [Mean=119977.239 /-] [StdDev=75978.636 /-]

InvestigationTypeId: Type of investigation

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

Statistics [NW/ W] [Valid=707959 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	ART Management	707959	100.0%

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.

ResultId: Unique result identifier

Information [Type= continuous] [Format=numeric] [Range= 1-711919] [Missing=*]

Statistics [NW/ W] [Valid=707959 /-] [Invalid=0 /-] [Mean=355850.966 /-] [StdDev=205413.291 /-]

ResultDate

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

Statistics [NW/ W] [Valid=707959 /-]

ResultTypeId: Type of test

Information [Type= discrete] [Format=numeric] [Range= 1-14] [Missing=*]

Statistics [NW/ W] [Valid=707959 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	CD4	205650	29.0%
2	HIVVL	161506	22.8%
3	HIVPCR	0	
4	CD4Pct	109009	15.4%
5	Creatinine	27911	3.9%
6	ALP	25415	3.6%
7	TBil	24980	3.5%
8	ALB	25356	3.6%
9	ALT	26560	3.8%
10	WBC	24649	3.5%
11	Hgb	25260	3.6%
12	MCV	24673	3.5%
13	PLT	24871	3.5%
14	HBsAg	2119	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.

File : LabResults_2020v1

ResultValue

Information [Type= continuous] [Format=numeric] [Range= -60-28000000] [Missing=*/100000001]

Statistics [NW/ W] [Valid=706771 /-] [Invalid=1188 /-] [Mean=5978.04 /-] [StdDev=114481.621 /-]

Value	Label	Cases	Percentage
100000001	..		

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.

ResultStatusId: Status of result

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=707959 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Valid result	658337	93.0%
2	Below unspecified viral load detection limit	33734	4.8%
3	Analysis not done - insufficient sample	0	
4	Analysis not done - sample spoiled	0	
5	Below 50 copies/ml detectable limit	15888	2.2%

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.

File : ClinicalDbMatches_2020v1

IndividualId: Clinical Db Id

Information [Type= continuous] [Format=numeric] [Range= 1-114433] [Missing=*]

Statistics [NW/ W] [Valid=109459 /-] [Invalid=0 /-] [Mean=57719.313 /-] [StdDev=33659.237 /-]

Sex: Sex

Information [Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]

Statistics [NW/ W] [Valid=109459 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Male	38821	35.5%
2	Female	70637	64.5%
9	Unknown	1	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.

DateOfBirth: Date of birth

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

Statistics [NW/ W] [Valid=109458 /-]

DateOfDeath: Date of death

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

Statistics [NW/ W] [Valid=2854 /-]

ACDIS_IIntId: PIP Individual identifier

Information [Type= continuous] [Format=numeric] [Range= 17-249203] [Missing=*]

Statistics [NW/ W] [Valid=23188 /-] [Invalid=86271 /-] [Mean=129361.967 /-] [StdDev=75123.437 /-]

ACDIS_MatchMethod: PIP match method

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

Statistics [NW/ W] [Valid=19363 /-] [Invalid=0 /-]

ACDIS_MatchScore: PIP match score

Information [Type= continuous] [Format=numeric] [Range= 0-5] [Missing=*/11]

Statistics [NW/ W] [Valid=23188 /-] [Invalid=86271 /-] [Mean=4.009 /-] [StdDev=0.421 /-]

Value	Label	Cases	Percentage
11	..		

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.

Artemis_PersonNo: Artemis individual identifier

Information [Type= continuous] [Format=numeric] [Range= 28-213150] [Missing=*]

Statistics [NW/ W] [Valid=39339 /-] [Invalid=70120 /-] [Mean=92779.942 /-] [StdDev=70503.571 /-]

Artemis_MatchMethod: Artemis match method

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

Statistics [NW/ W] [Valid=39339 /-] [Invalid=0 /-]

Artemis_MatchScore: Artemis match score

Information [Type= continuous] [Format=numeric] [Range= 1.42261904761905-5.75] [Missing=*/11]

Statistics [NW/ W] [Valid=35529 /-] [Invalid=73930 /-] [Mean=4.759 /-] [StdDev=0.534 /-]

File : ClinicalDbMatches_2020v1

Artemis_MatchScore: Artemis match score

Value	Label	Cases	Percentage
11	..		

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.

ACHIS_PatientId: Hospital Information System individual identifier

Information	[Type= continuous] [Format=numeric] [Range= 15-82257] [Missing=*]
Statistics [NW/ W]	[Valid=15200 /-] [Invalid=94259 /-] [Mean=40680.427 /-] [StdDev=27934.579 /-]

ACHIS_MatchMethod: Hospital Information System match method

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=15200 /-] [Invalid=0 /-]

ACHIS_MatchScore: Hospital Information System match score

Information	[Type= continuous] [Format=numeric] [Range= 1.55-5.75] [Missing=*/11]
Statistics [NW/ W]	[Valid=15200 /-] [Invalid=94259 /-] [Mean=4.28 /-] [StdDev=0.483 /-]

Value	Label	Cases	Percentage
11	..		

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 : Individuals_2020v1

IndividualId: Individual identifier

Information [Type= continuous] [Format=numeric] [Range= 1-114433] [Missing=*]

Statistics [NW/ W] [Valid=109459 /-] [Invalid=0 /-] [Mean=57719.313 /-] [StdDev=33659.237 /-]

Sex: Individual gender

Information [Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]

Statistics [NW/ W] [Valid=109459 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Male	38821	35.5%
2	Female	70637	64.5%
9	Unknown	1	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.

DateOfBirth: Date of birth

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

Statistics [NW/ W] [Valid=109458 /-]

DateOfDeath: Date of death

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

Statistics [NW/ W] [Valid=2854 /-]