South Africa - AHRI.Tier.Net.Release 2020-09

Nompumelelo Mkwanazi

Report generated on: September 22, 2026

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

Identification

SURVEY ID NUMBER
AHRI.Tier.Net.202009.v3

TITLE
AHRI.Tier.Net.Release 2020-09

COUNTRY

Name	Country code
South Africa	ZA

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 relase.

UNIT OF ANALYSIS
Individual

Version

VERSION DESCRIPTION
v3.0.0

Scope

TOPICS

Topic	Vocabulary	URI
Tier.Net	Africa Health Research Institute	www.ahri.org

KEYWORDS

Keyword	Vocabulary	URI
Individuals	Africa Health Research Institute	www.ahri.org

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
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

PRODUCERS

Name
Africa Health Research Institute

OTHER IDENTIFICATIONS/ACKNOWLEDGMENTS

Name
KZN Department Of Health

Data collection

DATES OF DATA COLLECTION

Start	End
2004-01-01	2020-03-31

Access policy

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.

Metadata production

DDI DOCUMENT ID

DDI.Tier.Net.202009.v3

PRODUCERS

Name	Abbreviation
Africa Health Research Institute	AHRI

Data Dictionary

Data file	Cases	Variables
EncounterEpisodes_2020v1	384771	12
Encounters_2020v1	2695725	5
LabResults_2020v1	707959	9
ClinicalDbMatches_2020v1	109459	13
Individuals_2020v1	109459	4

Data file: EncounterEpisodes_2020v1

Cases:	384771
Variables:	12

Variables

ID	Name	Label	Question
V1250	EncounterEpisodeId		
V1251	EncounterEpisodeTypeId	Type of episode	
V1252	IndividualId		
V1253	LocationId	Health facility	
V1254	StartEventTypeId	Event at episode start	
V1255	OutcomeId	Outcome at end of episode	
V1256	EpisodeStartDate	Start of episode	
V1257	EpisodeEndDate	End of episode	
V1258	TreatmentFlags	Bitmap of drugs	
V1259	Treatment		
V1260	EpisodeNr	Episode sequence number per individual	
V1261	EpisodeCount	Number of episodes per individual	

Total: 12

Data file: Encounters_2020v1

Cases:	2695725
Variables:	5

Variables

ID	Name	Label	Question
V1262	EncounterId		
V1263	IndividualId		
V1264	LocationId	Health facility	
V1265	EncounterTypeId	Type of visit	
V1266	EncounterDate		

Total: 5

Data file: LabResults_2020v1

Cases:	707959
Variables:	9

Variables

ID	Name	Label	Question
V1271	IndividualId		
V1272	EncounterId		
V1273	InvestigationId	Unique investigation identifier	
V1274	InvestigationTypeId	Type of investigation	
V1275	ResultId	Unique result identifier	
V1276	ResultDate		
V1277	ResultTypeId	Type of test	
V1278	ResultValue		
V1279	ResultStatusId	Status of result	

Total: 9

Data file: ClinicalDbMatches_2020v1

Cases:	109459
Variables:	13

Variables

ID	Name	Label	Question
V1280	IndividualId	Clinical Db Id	
V1281	Sex	Sex	
V1282	DateOfBirth	Date of birth	
V1283	DateOfDeath	Date of death	
V1284	ACDIS_IIntId	PIP Individual identifier	
V1285	ACDIS_MatchMethod	PIP match method	
V1286	ACDIS_MatchScore	PIP match score	
V1287	Artemis_PersonNo	Artemis individual identifier	
V1288	Artemis_MatchMethod	Artemis match method	
V1289	Artemis_MatchScore	Artemis match score	
V1290	ACHIS_PatientId	Hospital Information System individual identifier	
V1291	ACHIS_MatchMethod	Hospital Information System match method	
V1292	ACHIS_MatchScore	Hospital Information System match score	

Total: 13

Data file: Individuals_2020v1

Cases:	109459
Variables:	4

Variables

ID	Name	Label	Question
V1293	IndividualId	Individual identifier	
V1294	Sex	Individual gender	
V1295	DateOfBirth	Date of birth	
V1296	DateOfDeath	Date of death	

Total: 4

ENCOUNTEREPISODEID:

Data file: EncounterEpisodes_2020v1

Overview

Valid: 384771 Invalid: 0 Minimum: 1 Maximum: 388844 Mean: 192423.06 Standard deviation: 111138.225

Type: Continuous Decimal: 0 Width: 12 Range: 1 - 388844 Format: Numeric

ENCOUNTEREPISODETYPEID: Type of episode

Data file: EncounterEpisodes_2020v1

Overview

Valid: 384771 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 1 - 5 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Pre-ART care	432	0.1%
2	Anti-retroviral treatment	380838	99%
3	TB treatment	3501	0.9%
4	MDR TB treatment	0	0%
5	Isoniazid preventive therapy (IPT)	0	0%

INDIVIDUALID:

Data file: EncounterEpisodes_2020v1

Overview

Valid: 384771 Invalid: 0 Minimum: 1 Maximum: 114432 Mean: 31636.621 Standard deviation: 22845.863
Type: Continuous Decimal: 0 Width: 12 Range: 1 - 114432 Format: Numeric

LOCATIONID: Health facility

Data file: EncounterEpisodes_2020v1

Overview

Valid: 384771 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 2887 - 6454 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
2887	kz Hlabisa Gateway Clinic	17926	4.7%
2888	kz Hlabisa Hospital	19166	5%
2889	kz Hlabisa Mobile 1	3	0%
2891	kz Inhlwathi Clinic	19161	5%
2892	kz Macabuzela Clinic	16800	4.4%
2893	kz Makhowe Clinic	17976	4.7%
2894	kz Mpembeni Clinic	11671	3%
2923	kz Esiyembeni Clinic	3438	0.9%
2924	kz Ezwenelisha Clinic	13372	3.5%
2925	kz Gunjaneni Clinic	7597	2%
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%
2934	kz Nkundusi Clinic	27972	7.3%
2935	kz Ntondweni Clinic	5954	1.5%
2936	kz Sipho Zungu Clinic	20106	5.2%
2937	kz Somkhele Clinic	18322	4.8%
6454	kz Hluhluwe Clinic	17182	4.5%

STARTEVENTTYPEID: Event at episode start

Data file: EncounterEpisodes_2020v1

Overview

Valid: 384771 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 1 - 11 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	ART Start	54641	14.2%
2	HIV Diagnosis	432	0.1%
3	Transfer In	38123	9.9%
4	Transfer Out	0	0%
5	Death	0	0%
6	Lost to Follow-up	0	0%

7	Care stopped	0	0%
8	Care interrupted	0	0%
9	Care resumed	253908	66%
10	Care changed	35050	9.1%
11	TB Treatment Start	2617	0.7%

OUTCOMEID: Outcome at end of episode

Data file: EncounterEpisodes_2020v1

Overview

Valid: 384771 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 1 - 9 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
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%

EPISODESTARTDATE: Start of episode

Data file: EncounterEpisodes_2020v1

Overview

Valid: 384771 Minimum: 1996-11-07 Maximum: 2020-03-19
Type: Discrete Width: 11 Range: - Format: character

EPISODEENDDATE: End of episode

Data file: EncounterEpisodes_2020v1

Overview

Valid: 384274 Minimum: 1997-11-07 Maximum: 2028-05-20
Type: Discrete Width: 11 Range: - Format: character

TREATMENTFLAGS: Bitmap of drugs

Data file: EncounterEpisodes_2020v1

Overview

Valid: 381270 Invalid: 3501 Minimum: 0 Maximum: 40976 Mean: 3212.086 Standard deviation: 5990.721
Type: Continuous Decimal: 0 Width: 12 Range: 0 - 40976 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
Sysmiss	

TREATMENT:

Data file: EncounterEpisodes_2020v1

Overview

Valid: 358370 Invalid: 0
Type: Discrete Width: 20 Range: - Format: character

EPISODENR: Episode sequence number per individual

Data file: EncounterEpisodes_2020v1

Overview

Valid: 384771 Invalid: 0 Minimum: 1 Maximum: 156 Mean: 5.791 Standard deviation: 6.751
Type: Continuous Decimal: 0 Width: 12 Range: 1 - 156 Format: Numeric

EPISODECOUNT: Number of episodes per individual

Data file: EncounterEpisodes_2020v1

Overview

Valid: 384771 Invalid: 0 Minimum: 1 Maximum: 156 Mean: 10.582 Standard deviation: 10.44
Type: Continuous Decimal: 0 Width: 12 Range: 1 - 156 Format: Numeric

ENCOUNTERID:

Data file: Encounters_2020v1

Overview

Valid: 2695725 Invalid: 0 Minimum: 1 Maximum: 2736170 Mean: 1371142.771 Standard deviation: 791711.826
Type: Continuous Decimal: 0 Width: 12 Range: 1 - 2736170 Format: Numeric

INDIVIDUALID:

Data file: Encounters_2020v1

Overview

Valid: 2695725 Invalid: 0 Minimum: 1 Maximum: 114432 Mean: 26847.102 Standard deviation: 20044.299

Type: Continuous Decimal: 0 Width: 12 Range: 1 - 114432 Format: Numeric

LOCATIONID: Health facility

Data file: Encounters_2020v1

Overview

Valid: 2695703 Invalid: 22
Type: Discrete Decimal: 0 Width: 12 Range: 2887 - 6454 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
2887	kz Hlabisa Gateway Clinic	83259	3.1%
2888	kz Hlabisa Hospital	164454	6.1%
2889	kz Hlabisa Mobile 1	3	0%
2891	kz Inhlwathi Clinic	125299	4.6%
2892	kz Macabuzela Clinic	135624	5%
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%
2930	kz Mpukunyoni Clinic	153342	5.7%
2931	kz Mtubatuba Clinic	378481	14%

2934	kz Nkundusi Clinic	178353	6.6%
2935	kz Ntondweni Clinic	43911	1.6%
2936	kz Sipho Zungu Clinic	135370	5%
2937	kz Somkhele Clinic	177866	6.6%
6454	kz Hluhluwe Clinic	81854	3%
Sysmiss		22	

ENCOUNTERTYPEID: Type of visit

Data file: Encounters_2020v1

Overview

Valid: 2695725 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 1 - 6 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
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%
5	Admission	0	0%
6	Study Visit	193	0%

ENCOUNTERDATE:

Data file: Encounters_2020v1

Overview

Valid: 2695725 Minimum: 1996-11-07 Maximum: 2028-04-20
Type: Discrete Width: 11 Range: - Format: character

INDIVIDUALID:

Data file: LabResults_2020v1

Overview

Valid: 707959 Invalid: 0 Minimum: 1 Maximum: 114412 Mean: 26516.171 Standard deviation: 18588.313
Type: Continuous Decimal: 0 Width: 12 Range: 1 - 114412 Format: Numeric

ENCOUNTERID:

Data file: LabResults_2020v1

Overview

Valid: 345116 Invalid: 362843 Minimum: 14 Maximum: 2736151 Mean: 1072781.624 Standard deviation: 710173.452
Type: Continuous Decimal: 0 Width: 12 Range: 14 - 2736151 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
Sysmiss	

INVESTIGATIONID: Unique investigation identifier

Data file: LabResults_2020v1

Overview

Valid: 707959 Invalid: 0 Minimum: 1 Maximum: 294177 Mean: 119977.239 Standard deviation: 75978.636

Type: Continuous Decimal: 0 Width: 12 Range: 1 - 294177 Format: Numeric

INVESTIGATIONTYPEID: Type of investigation

Data file: LabResults_2020v1

Overview

Valid: 707959 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 1 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	ART Management	707959	100%

RESULTID: Unique result identifier

Data file: LabResults_2020v1

Overview

Valid: 707959 Invalid: 0 Minimum: 1 Maximum: 711919 Mean: 355850.966 Standard deviation: 205413.291

Type: Continuous Decimal: 0 Width: 12 Range: 1 - 711919 Format: Numeric

RESULTDATE:

Data file: LabResults_2020v1

Overview

Valid: 707959 Minimum: 2002-01-16 Maximum: 2209-10-13
Type: Discrete Width: 11 Range: - Format: character

RESULTTYPEID: Type of test

Data file: LabResults_2020v1

Overview

Valid: 707959 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 1 - 14 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	CD4	205650	29%
2	HIVVL	161506	22.8%
3	HIVPCR	0	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%

RESULTVALUE:

Data file: LabResults_2020v1

Overview

Valid: 706771 Invalid: 1188 Minimum: -60 Maximum: 28000000 Mean: 5978.04 Standard deviation: 114481.621
Type: Continuous Decimal: 0 Width: 10 Range: -60 - 28000000 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
100000001	..

RESULTSTATUSID: Status of result

Data file: LabResults_2020v1

Overview

Valid: 707959 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 1 - 5 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Valid result	658337	93%
2	Below unspecified viral load detection limit	33734	4.8%
3	Analysis not done - insufficient sample	0	0%
4	Analysis not done - sample spoiled	0	0%
5	Below 50 copies/ml detectable limit	15888	2.2%

INDIVIDUALID: Clinical Db Id

Data file: ClinicalDbMatches_2020v1

Overview

Valid: 109459 Invalid: 0 Minimum: 1 Maximum: 114433 Mean: 57719.313 Standard deviation: 33659.237
Type: Continuous Decimal: 0 Width: 12 Range: 1 - 114433 Format: Numeric

SEX: Sex

Data file: ClinicalDbMatches_2020v1

Overview

Valid: 109459 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 1 - 9 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Male	38821	35.5%
2	Female	70637	64.5%
9	Unknown	1	0%

DATEOFBIRTH: Date of birth

Data file: ClinicalDbMatches_2020v1

Overview

Valid: 109458 Minimum: 1885-02-18 Maximum: 2020-03-14
Type: Discrete Width: 11 Range: - Format: character

DATEOFDEATH: Date of death

Data file: ClinicalDbMatches_2020v1

Overview

Valid: 2854 Minimum: 2004-11-23 Maximum: 2020-02-17
Type: Discrete Width: 11 Range: - Format: character

ACDIS_IINTID: PIP Individual identifier

Data file: ClinicalDbMatches_2020v1

Overview

Valid: 23188 Invalid: 86271 Minimum: 17 Maximum: 249203 Mean: 129361.967 Standard deviation: 75123.437

Type: Continuous Decimal: 0 Width: 12 Range: 17 - 249203 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
Sysmiss	

ACDIS_MATCHMETHOD: PIP match method

Data file: ClinicalDbMatches_2020v1

Overview

Valid: 19363 Invalid: 0
Type: Discrete Width: 31 Range: - Format: character

ACDIS_MATCHSCORE: PIP match score

Data file: ClinicalDbMatches_2020v1

Overview

Valid: 23188 Invalid: 86271 Minimum: 0 Maximum: 5 Mean: 4.009 Standard deviation: 0.421
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 5 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
11	..

ARTEMIS_PERSONNO: Artemis individual identifier

Data file: ClinicalDbMatches_2020v1

Overview

Valid: 39339 Invalid: 70120 Minimum: 28 Maximum: 213150 Mean: 92779.942 Standard deviation: 70503.571
Type: Continuous Decimal: 0 Width: 12 Range: 28 - 213150 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
Sysmiss	

ARTEMIS_MATCHMETHOD: Artemis match method

Data file: ClinicalDbMatches_2020v1

Overview

Valid: 39339 Invalid: 0
Type: Discrete Width: 31 Range: - Format: character

ARTEMIS_MATCHSCORE: Artemis match score

Data file: ClinicalDbMatches_2020v1

Overview

Valid: 35529 Invalid: 73930 Minimum: 1.423 Maximum: 5.75 Mean: 4.759 Standard deviation: 0.534
Type: Continuous Decimal: 0 Width: 10 Range: 1.42261904761905 - 5.75 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
11	..

ACHIS_PATIENTID: Hospital Information System individual identifier

Data file: ClinicalDbMatches_2020v1

Overview

Valid: 15200 Invalid: 94259 Minimum: 15 Maximum: 82257 Mean: 40680.427 Standard deviation: 27934.579

Type: Continuous Decimal: 0 Width: 12 Range: 15 - 82257 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
Sysmiss	

ACHIS_MATCHMETHOD: Hospital Information System match method

Data file: ClinicalDbMatches_2020v1

Overview

Valid: 15200 Invalid: 0
Type: Discrete Width: 31 Range: - Format: character

ACHIS_MATCHSCORE: Hospital Information System match score

Data file: ClinicalDbMatches_2020v1

Overview

Valid: 15200 Invalid: 94259 Minimum: 1.55 Maximum: 5.75 Mean: 4.28 Standard deviation: 0.483
Type: Continuous Decimal: 0 Width: 10 Range: 1.55 - 5.75 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
11	..

INDIVIDUALID: Individual identifier

Data file: Individuals_2020v1

Overview

Valid: 109459 Invalid: 0 Minimum: 1 Maximum: 114433 Mean: 57719.313 Standard deviation: 33659.237
Type: Continuous Decimal: 0 Width: 12 Range: 1 - 114433 Format: Numeric

SEX: Individual gender

Data file: Individuals_2020v1

Overview

Valid: 109459 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 1 - 9 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Male	38821	35.5%
2	Female	70637	64.5%
9	Unknown	1	0%

DATEOFBIRTH: Date of birth

Data file: Individuals_2020v1

Overview

Valid: 109458 Minimum: 1885-02-18 Maximum: 2020-03-14
Type: Discrete Width: 11 Range: - Format: character

DATEOFDEATH: Date of death

Data file: Individuals_2020v1

Overview

Valid: 2854 Minimum: 2004-11-23 Maximum: 2020-02-17
Type: Discrete Width: 11 Range: - Format: character

Download related resources

Technical documents

DDI:Tier.Net

Title	DDI:Tier.Net
Author(s)	Sweetness H Dube
Date	11/09/2020
Country	South Africa
Language	English
Filename	Tier.Net.202009.v3.pdf