

South Africa - Verbal Autopsy:Reimagining data and automated cause assignment (using ALPHA network data)

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

Overview

Identification

ID NUMBER

AHRI.NIH.Verbal.Autopsy.Dataset.v1

Version

VERSION DESCRIPTION

Version 1.0.0

Overview

ABSTRACT

The overall aim of the grant is to develop affordable, robust, calibrated methods to assign causes to individual deaths and characterize the distribution of deaths by cause from verbal autopsy (VA) data. As part of ALPHA, all partners are being asked to provide their VA data (all ages) alongside any physician review data available, residency data and HIV data for secondary analysis to address the following objectives:

(i) Preparing VA data in a standardised format, and comparing sex- and age- specific cause-specific mortality fractions across different ALPHA partner study areas

(ii) Assessing the performance of automated methods for assigning causes of death based on verbal autopsy data, against physician review or HIV sero-survey data (where each of these data sources are available)

Once these secondary data have been shared with the ALPHA team, we will check the data for consistency and integrity and clean them with the help of the owners of the data and merge the clean data to form a pooled data set. In collaboration with the team at The Ohio State University, we will prepare distributions of deaths by causes using automated methods, and calculate the cause-specific mortality fractions and rates stratified by key socio-demographic characteristics of the population and look at how they change over time. The performance of automated methods will be assessed in comparison to physician review assignment of cause of death or HIV sero-survey data. These results and outputs will be shared with each partner, with opportunity to provide input, and be involved with writing any papers.

KIND OF DATA

Surveillance Data

UNITS OF ANALYSIS

Each observation describes either an individual or an individual's period of residence in a household.

TOPICS

Topic	Vocabulary	URI
Demography; Epidemiology; HIV; Mortality; Verbal Autopsy	Africa Health Research Institute	www.ahri.org

KEYWORDS

Mortality; Verbal Autopsy; InSilicoVA; cause of death; ALPHA; ALPHA network

Coverage

GEOGRAPHIC COVERAGE

South Africa

GEOGRAPHIC UNIT

Village

UNIVERSE

Household members of the Africa Health Research Institute Population Intervention Programme Study Area

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Sam Clark	The Ohio State University
Clara Calvert	LSHTM
Milly Marston	LSHTM
Yue Chu	The Ohio State University

OTHER PRODUCER(S)

Name	Affiliation	Role
Africa Health Research Institute		

FUNDING

Name	Abbreviation	Role
National Institutes of Health	NIH	

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Africa Health Research Institute	AHRI		

DATE OF METADATA PRODUCTION

2022-03-21

DDI DOCUMENT VERSION

v01

DDI DOCUMENT ID

NIH.Verbal.Autopsy.Dataset.v1

Sampling

Sampling Procedure

Household demographic Surveillance

Questionnaires

Overview

The original unharmonised data was collected by the Africa Health Research Institute

Data Collection

Data Collection Dates

Start	End	Cycle
2000-01-01	2020-12-31	N/A

Data Collection Mode

Face-to-face [f2f]

Data Collection Notes

ALPHA data are harmonised datasets from ALPHA member sites and this dataset is from the Africa Health Research Institute.

Questionnaires

The original unharmonised data was collected by the Africa Health Research Institute

Data Collectors

Name	Abbreviation	Affiliation
Africa Health Research Institute		

Data Processing

No content available

Data Appraisal

No content available

File Description

Variable List

AN02-02 Dataset 6.2b

Content

Cases 224692

Variable(s) 9

Structure Type:
Keys: ()

Version

Producer

Missing Data

Variables

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V264	idno	Person ID number	contin	numeric	
V265	study_name	Name of study field site	discrete	character	
V266	hiv_test_date	date of HIV test	discrete	character	
V267	hiv_test_result	HIV test result	discrete	numeric	
V268	informed_of_result	whether or not the participant was informed of test result	discrete	numeric	
V269	source_of_test_information	Where the test information comes from	discrete	numeric	
V270	test_assumption	Test assumption	discrete	numeric	
V271	original_hiv_test_result	Original hiv test result	discrete	numeric	
V272	survey_round_name	Round name	discrete	numeric	

HIS01-01 HospitalDeaths

Content

Cases	5753
Variable(s)	51
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V273	PatientId	Unique patient identifier	contin	numeric	
V274	Sex	Patient gender	discrete	numeric	
V275	DoB	Date of birth	contin	numeric	
V276	LocalArea	Local area of residence	discrete	character	
V277	Isigodi	Isigodi of residence	discrete	character	
V278	NearestClinic	Nearest to place of residence	discrete	numeric	
V279	AdmissionId	Unique admission identifier	contin	numeric	
V280	AdmissionDate	Date of admission	contin	numeric	
V281	AgeAtAdmission	Age in completed yrs on admission	discrete	numeric	
V282	AgeDays	Age in days, if age=0	discrete	numeric	
V283	AdmissionWard	Admission ward	discrete	numeric	
V284	AdmissionDoctor	Admitting doctor code	contin	numeric	
V285	DischargeDate	Date of discharge	contin	numeric	
V286	DischargeStatus	Status on discharge	discrete	numeric	
V287	DischargeDoctor	Discharge doctor code	contin	numeric	
V288	LOS	Length of Stay (days)	contin	numeric	
V289	LOSH	Length of Stay (hours), if LOS=0	contin	numeric	
V290	HIVStatus	HIV Status on admission	discrete	numeric	
V291	OnART	On ART prior to admission	discrete	numeric	
V292	ARTDateStarted	Date on which ART was started	contin	numeric	
V293	HIVTest	Latest HIV test in hospital result	discrete	numeric	
V294	LatestCD4	Latest in hospital CD4 count	contin	numeric	
V295	CD4Date	Date on which CD4 was done	contin	numeric	
V296	ADxType1	Admission diagnosis 1 type	discrete	numeric	
V297	ADx1	Admission diagnosis 1 ICD10 code	discrete	character	
V298	ADxType2	Admission diagnosis 2 type	discrete	numeric	
V299	ADx2	Admission diagnosis 2 ICD10 code	discrete	character	
V300	ADxType3	Admission diagnosis 3 type	discrete	numeric	

V301	ADx3	Admission diagnosis 3 ICD10 code	discrete	character
V302	ADxType4	Admission diagnosis 4 type	discrete	numeric
V303	ADx4	Admission diagnosis 4 ICD10 code	discrete	character
V304	ADxType5	Admission diagnosis 5 type	discrete	numeric
V305	ADx5	Admission diagnosis 5 ICD10 code	discrete	character
V306	ADxType6	Admission diagnosis 6 type	discrete	numeric
V307	ADx6	Admission diagnosis 6 ICD10 code	discrete	character
V308	DDxType1	Discharge diagnosis 1 type	discrete	numeric
V309	DDx1	Discharge diagnosis 1 ICD10 code	discrete	character
V310	DDxType2	Discharge diagnosis 2 type	discrete	numeric
V311	DDx2	Discharge diagnosis 2 ICD10 code	discrete	character
V312	DDxType3	Discharge diagnosis 3 type	discrete	numeric
V313	DDx3	Discharge diagnosis 3 ICD10 code	discrete	character
V314	DDxType4	Discharge diagnosis 4 type	discrete	numeric
V315	DDx4	Discharge diagnosis 4 ICD10 code	discrete	character
V316	DDxType5	Discharge diagnosis 5 type	discrete	numeric
V317	DDx5	Discharge diagnosis 5 ICD10 code	discrete	character
V318	DDxType6	Discharge diagnosis 6 type	discrete	numeric
V319	DDx6	Discharge diagnosis 6 ICD10 code	discrete	character
V320	ACDISIntId	Surveillance individual identifier	contin	numeric
V321	ARTemisPersonNo	ARTemis individual identifier	contin	numeric
V322	TheatreProcedureCode	Theatre Procedure Code	discrete	character
V323	AnaestheticCode	Anaesthetic Code	discrete	numeric

VA01-01 PhysicianCoding Cause of Death

Content

Cases	40442
Variable(s)	28
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V324	QSessionID	VA Unique Internal Id	contin	numeric	
V325	IntId	Unique Internal Id of Individual	contin	numeric	
V326	DateOfDeath	Individual's Date of Death	discrete	character	
V327	DateOfBirth	Individual's Date of Birth	discrete	character	
V328	Sex	Sex	discrete	numeric	
V329	VDX_UnderlyingDx	Underlying cause of death	discrete	character	
V330	VDX_ImmediateDx	Immediate cause of death	discrete	character	
V331	VDX_AssocDx1	Contributory cause of death 1	discrete	character	
V332	VDX_AssocDx2	Contributory cause of death 2	discrete	character	
V333	VDX_Doctor	Doctor	discrete	character	
V334	VDX_DxDate	Date of diagnosis	discrete	character	
V335	ImmediateCauseCode	Immediate cause of death	discrete	character	
V336	ImmediateCauseDesc	Immediate Cause Descriptin	discrete	character	
V337	ImmediateCauseGBDCode	Immediate Cause GBD code	discrete	character	
V338	ImmediateCauseGBDDesc	Immediate Cause GBD Descriptin	discrete	character	
V339	UnderlyingCauseCode	Underlying cause of death	discrete	character	
V340	UnderlyingCauseDesc	Underlying Cause Descriptin	discrete	character	
V341	UnderlyingCauseGBDCode	Underlying Cause GBD code	discrete	character	
V342	UnderlyingCauseGBDDesc	Underlying Cause GBD Desc	discrete	character	
V343	AssociatedCause1Code	Associated cause of death 1	discrete	character	
V344	AssociatedCause1Desc	Associated Cause 1 Descriptin	discrete	character	
V345	AssociatedCause1GBDCode	Associated Cause 1 Cause GBD code	discrete	character	
V346	AssociatedCause1GBDDesc	Associated Cause 1 GBD Descriptin	discrete	character	
V347	AssociatedCause2Code	Associated cause of death 2	discrete	character	
V348	AssociatedCause2Desc	Descriptive label for code above	discrete	character	
V349	AssociatedCause2GBDCode	Associated Cause 2 Cause GBD code	discrete	character	
V350	AssociatedCause2GBDDesc	Associated Cause 2 GBD Descriptin	discrete	character	
V351	DeathCauseGBDgroup	Summary GBD Cause	discrete	character	

Person ID number (idno)

File: AN02-02 Dataset 6.2b

Overview

Type: Continuous	Valid cases: 224692
Format: numeric	Invalid: 0
Width: 12	Minimum: 16
Decimals: 0	Maximum: 258195
Range: 16-258195	Mean: 81852.3
	Standard deviation: 60715.2

Name of study field site (study_name)

File: AN02-02 Dataset 6.2b

Overview

Type: Discrete	Valid cases: 224692
Format: character	Invalid: 0
Width: 12	

date of HIV test (hiv_test_date)

File: AN02-02 Dataset 6.2b

Overview

Type: Discrete	Valid cases: 202186
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

HIV test result (hiv_test_result)

File: AN02-02 Dataset 6.2b

Overview

Type: Discrete	Valid cases: 224692
Format: numeric	Invalid: 0
Width: 12	
Decimals: 0	
Range: 0-3	

whether or not the participant was informed of test result
(informed_of_result)

File: AN02-02 Dataset 6.2b

Overview

Type: Discrete	Valid cases: 224692
Format: numeric	Invalid: 0
Width: 12	
Decimals: 0	
Range: 0-8	

Where the test information comes from (source_of_test_information)

File: AN02-02 Dataset 6.2b

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-8

Valid cases: 224692
 Invalid: 0

Test assumption (test_assumption)

File: AN02-02 Dataset 6.2b

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 0-3

Valid cases: 224692
 Invalid: 0

Original hiv test result (original_hiv_test_result)

File: AN02-02 Dataset 6.2b

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 0-3

Valid cases: 224692
 Invalid: 0

Round name (survey_round_name)

File: AN02-02 Dataset 6.2b

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 0-11

Valid cases: 201198
 Invalid: 23494

Unique patient identifier (PatientId)

File: HIS01-01 HospitalDeaths

Overview

Type: Continuous	Valid cases: 5753
Format: numeric	Invalid: 0
Width: 12	Minimum: 35
Decimals: 0	Maximum: 108138
Range: 35-108138	Mean: 36253
	Standard deviation: 32122.7

Patient gender (Sex)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete	Valid cases: 5753
Format: numeric	Invalid: 0
Width: 12	
Decimals: 0	
Range: 0-9	

Date of birth (DoB)

File: HIS01-01 HospitalDeaths

Overview

Type: Continuous	Valid cases: 5753
Format: numeric	Invalid: 0
Width: 11	Minimum: -1805069420000
Decimals: 0	Maximum: 1951344000000
Range: -1805069420000-1951344000000	Mean: 316491009382.9
	Standard deviation: 733586226916.5

Local area of residence (LocalArea)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete	Valid cases: 5753
Format: character	Invalid: 0
Width: 20	

Isigodi of residence (Isigodi)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete	Valid cases: 5751
Format: character	Invalid: 0
Width: 20	

Nearest to place of residence (NearestClinic)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-22

Valid cases: 5753
 Invalid: 0

Unique admission identifier (AdmissionId) File: HIS01-01 HospitalDeaths

Overview

Type: Continuous
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 36-123033

Valid cases: 5753
 Invalid: 0
 Minimum: 36
 Maximum: 123033
 Mean: 44717.3
 Standard deviation: 37841.6

Date of admission (AdmissionDate) File: HIS01-01 HospitalDeaths

Overview

Type: Continuous
 Format: numeric
 Width: 11
 Decimals: 0
 Range: 1600010100000-1953082229000

Valid cases: 5753
 Invalid: 0
 Minimum: 1600010100000
 Maximum: 1953082229000
 Mean: 1755257318324.6
 Standard deviation: 99876334388.5

Age in completed yrs on admission (AgeAtAdmission) File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0

Valid cases: 0
 Invalid: 5753

Age in days, if age=0 (AgeDays) File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0

Valid cases: 0
 Invalid: 5753

Admission ward (AdmissionWard) File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-7020

Valid cases: 5753
 Invalid: 0

Admitting doctor code (AdmissionDoctor)

File: HIS01-01 HospitalDeaths

Overview

Type: Continuous
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-14123

Valid cases: 5752
 Invalid: 1
 Minimum: 1
 Maximum: 14123
 Mean: 842.9
 Standard deviation: 2346.6

Date of discharge (DischargeDate)

File: HIS01-01 HospitalDeaths

Overview

Type: Continuous
 Format: numeric
 Width: 11
 Decimals: 0
 Range: 1602684231000-1953108000000

Valid cases: 5753
 Invalid: 0
 Minimum: 1602684231000
 Maximum: 1953108000000
 Mean: 1755986204242.9
 Standard deviation: 99849653317.3

Status on discharge (DischargeStatus)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 0-9

Valid cases: 5753
 Invalid: 0

Discharge doctor code (DischargeDoctor)

File: HIS01-01 HospitalDeaths

Overview

Type: Continuous
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-14123

Valid cases: 5743
 Invalid: 10
 Minimum: 1
 Maximum: 14123
 Mean: 543.7
 Standard deviation: 1494.9

Length of Stay (days) (LOS)

File: HIS01-01 HospitalDeaths

Overview

Type: Continuous	Valid cases: 5753
Format: numeric	Invalid: 0
Width: 12	Minimum: 0
Decimals: 0	Maximum: 367
Range: 0-367	Mean: 7.9
	Standard deviation: 12.2

Length of Stay (hours), if LOS=0 (LOSH)

File: HIS01-01 HospitalDeaths

Overview

Type: Continuous	Valid cases: 703
Format: numeric	Invalid: 5050
Width: 12	Minimum: 0
Decimals: 0	Maximum: 23
Range: 0-23	Mean: 12.3
	Standard deviation: 7.1

HIV Status on admission (HIVStatus)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete	Valid cases: 5753
Format: numeric	Invalid: 0
Width: 12	
Decimals: 0	
Range: 0-9	

On ART prior to admission (OnART)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete	Valid cases: 5753
Format: numeric	Invalid: 0
Width: 12	
Decimals: 0	
Range: 0-9	

Date on which ART was started (ARTDateStarted)

File: HIS01-01 HospitalDeaths

Overview

Type: Continuous	Valid cases: 1893
Format: numeric	Invalid: 3860
Width: 11	Minimum: -5396112000000
Decimals: 0	Maximum: 1938124800000
Range: -5396112000000-1938124800000	Mean: -1642040808874.8
Invalid: 10000000000001	Standard deviation: 1429772861453.6

Latest HIV test in hospital result (HIVTest)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 0-3

Valid cases: 5753
 Invalid: 0

Latest in hospital CD4 count (LatestCD4)

File: HIS01-01 HospitalDeaths

Overview

Type: Continuous
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 3-1178

Valid cases: 170
 Invalid: 5583
 Minimum: 3
 Maximum: 1178
 Mean: 156.8
 Standard deviation: 188.2

Date on which CD4 was done (CD4Date)

File: HIS01-01 HospitalDeaths

Overview

Type: Continuous
 Format: numeric
 Width: 11
 Decimals: 0
 Range: -2556057600000-2029536000000
 Invalid: 10000000000001

Valid cases: 170
 Invalid: 5583
 Minimum: -2556057600000
 Maximum: 2029536000000
 Mean: -3741628235.3
 Standard deviation: 2065226536692.6

Admission diagnosis 1 type (ADxType1)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-9

Valid cases: 5751
 Invalid: 2

Admission diagnosis 1 ICD10 code (ADx1)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: character
 Width: 6

Valid cases: 5751
 Invalid: 0

Admission diagnosis 2 type (ADxType2)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-9

Valid cases: 4490
 Invalid: 1263

Admission diagnosis 2 ICD10 code (ADx2)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: character
 Width: 6

Valid cases: 4490
 Invalid: 0

Admission diagnosis 3 type (ADxType3)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-9

Valid cases: 2068
 Invalid: 3685

Admission diagnosis 3 ICD10 code (ADx3)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: character
 Width: 6

Valid cases: 2068
 Invalid: 0

Admission diagnosis 4 type (ADxType4)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-9

Valid cases: 507
 Invalid: 5246

Admission diagnosis 4 ICD10 code (ADx4)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
Format: character
Width: 6

Valid cases: 507
Invalid: 0

Admission diagnosis 5 type (ADxType5)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 1-9

Valid cases: 102
Invalid: 5651

Admission diagnosis 5 ICD10 code (ADx5)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
Format: character
Width: 6

Valid cases: 102
Invalid: 0

Admission diagnosis 6 type (ADxType6)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 1-9

Valid cases: 11
Invalid: 5742

Admission diagnosis 6 ICD10 code (ADx6)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
Format: character
Width: 5

Valid cases: 11
Invalid: 0

Discharge diagnosis 1 type (DDxType1)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 1-9

Valid cases: 5748
Invalid: 5

Discharge diagnosis 1 ICD10 code (DDx1)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: character
 Width: 6

Valid cases: 5748
 Invalid: 0

Discharge diagnosis 2 type (DDxType2)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-9

Valid cases: 4870
 Invalid: 883

Discharge diagnosis 2 ICD10 code (DDx2)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: character
 Width: 6

Valid cases: 4870
 Invalid: 0

Discharge diagnosis 3 type (DDxType3)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-9

Valid cases: 2527
 Invalid: 3226

Discharge diagnosis 3 ICD10 code (DDx3)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
 Format: character
 Width: 6

Valid cases: 2527
 Invalid: 0

Discharge diagnosis 4 type (DDxType4)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 1-9

Valid cases: 762
Invalid: 4991

Discharge diagnosis 4 ICD10 code (DDx4)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
Format: character
Width: 6

Valid cases: 762
Invalid: 0

Discharge diagnosis 5 type (DDxType5)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 1-9

Valid cases: 160
Invalid: 5593

Discharge diagnosis 5 ICD10 code (DDx5)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
Format: character
Width: 6

Valid cases: 160
Invalid: 0

Discharge diagnosis 6 type (DDxType6)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 1-9

Valid cases: 15
Invalid: 5738

Discharge diagnosis 6 ICD10 code (DDx6)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete
Format: character
Width: 5

Valid cases: 15
Invalid: 0

Surveillance individual identifier (ACDISIntId)

File: HIS01-01 HospitalDeaths

Overview

Type: Continuous	Valid cases: 446
Format: numeric	Invalid: 5307
Width: 12	Minimum: 149
Decimals: 0	Maximum: 172512
Range: 149-172512	Mean: 70121.5
	Standard deviation: 46772.7

ARTemis individual identifier (ARTemisPersonNo)

File: HIS01-01 HospitalDeaths

Overview

Type: Continuous	Valid cases: 1144
Format: numeric	Invalid: 4609
Width: 12	Minimum: 154
Decimals: 0	Maximum: 211127
Range: 154-211127	Mean: 97125.9
	Standard deviation: 63174.6

Theatre Procedure Code (TheatreProcedureCode)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete	Valid cases: 4
Format: character	Invalid: 0
Width: 5	

Anaesthetic Code (AnaestheticCode)

File: HIS01-01 HospitalDeaths

Overview

Type: Discrete	Valid cases: 4
Format: numeric	Invalid: 5749
Width: 12	
Decimals: 0	
Range: 0-9	

VA Unique Internal Id (QSessionID)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Continuous	Valid cases: 40442
Format: numeric	Invalid: 0
Width: 12	Minimum: 20854
Decimals: 0	Maximum: 155668
Range: 20854-155668	Mean: 60450.1
	Standard deviation: 29969

Unique Internal Id of Individual (IIntId)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Continuous	Valid cases: 40442
Format: numeric	Invalid: 0
Width: 12	Minimum: 11
Decimals: 0	Maximum: 176326
Range: 11-176326	Mean: 58908.8
	Standard deviation: 37154

Individual's Date of Death (DateOfDeath)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete	Valid cases: 40442
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Individual's Date of Birth (DateOfBirth)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete	Valid cases: 40442
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Sex (Sex)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete	Valid cases: 40442
Format: numeric	Invalid: 0
Width: 12	
Decimals: 0	
Range: 1-9	

Underlying cause of death (VDX_UnderlyingDx)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
Format: character
Width: 90

Valid cases: 39825
Invalid: 0

Immediate cause of death (VDX_ImmediateDx)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
Format: character
Width: 62

Valid cases: 14383
Invalid: 0

Contributory cause of death 1 (VDX_AssocDx1)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
Format: character
Width: 50

Valid cases: 6606
Invalid: 0

Contributory cause of death 2 (VDX_AssocDx2)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
Format: character
Width: 51

Valid cases: 1614
Invalid: 0

Doctor (VDX_Doctor)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
Format: character
Width: 3

Valid cases: 40295
Invalid: 0

Date of diagnosis (VDX_DxDate)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
Format: character
Width: 11

Valid cases: 40442
Minimum: NaN
Maximum: NaN

Immediate cause of death (ImmediateCauseCode)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
 Format: character
 Width: 5

Valid cases: 12926
 Invalid: 0

Immediate Cause Descriptin (ImmediateCauseDesc)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
 Format: character
 Width: 185

Valid cases: 12926

Immediate Cause GBD code (ImmediateCauseGBDCode)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
 Format: character
 Width: 4

Valid cases: 12926
 Invalid: 0

Immediate Cause GBD Descriptin (ImmediateCauseGBDDesc)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
 Format: character
 Width: 42

Valid cases: 12926
 Invalid: 0

Underlying cause of death (UnderlyingCauseCode)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
 Format: character
 Width: 5

Valid cases: 40278
 Invalid: 0

Underlying Cause Descriptin (UnderlyingCauseDesc)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
 Format: character
 Width: 185

Valid cases: 40278

Underlying Cause GBD code (UnderlyingCauseGBDCode)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
Format: character
Width: 4

Valid cases: 40278
Invalid: 0

Underlying Cause GBD Desc (UnderlyingCauseGBDDesc)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
Format: character
Width: 42

Valid cases: 40278
Invalid: 0

Associated cause of death 1 (AssociatedCause1Code)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
Format: character
Width: 5

Valid cases: 5542
Invalid: 0

Associated Cause 1 Descriptin (AssociatedCause1Desc)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
Format: character
Width: 102

Valid cases: 5542

Associated Cause 1 Cause GBD code (AssociatedCause1GBDCode)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
Format: character
Width: 4

Valid cases: 5542
Invalid: 0

Associated Cause 1 GBD Descriptin (AssociatedCause1GBDDesc)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
Format: character
Width: 40

Valid cases: 5542
Invalid: 0

Associated cause of death 2 (AssociatedCause2Code)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
 Format: character
 Width: 5

Valid cases: 1284
 Invalid: 0

Descriptive label for code above (AssociatedCause2Desc)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
 Format: character
 Width: 72

Valid cases: 1284
 Invalid: 0

Associated Cause 2 Cause GBD code (AssociatedCause2GBDCode)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
 Format: character
 Width: 4

Valid cases: 1284
 Invalid: 0

Associated Cause 2 GBD Descriptin (AssociatedCause2GBDDesc)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
 Format: character
 Width: 32

Valid cases: 1284
 Invalid: 0

Summary GBD Cause (DeathCauseGBDgroup)

File: VA01-01 PhyscianCoding Cause of Death

Overview

Type: Discrete
 Format: character
 Width: 8

Valid cases: 40442
 Invalid: 0

Documentation

Technical documents

DDI:NIH.Verbal.Autopsy.Dataset

Title	DDI:NIH.Verbal.Autopsy.Dataset
Author(s)	Sweetness H Dube
Date	08/06/2022
Country	South Africa
Language	English
Publisher(s)	Sweetness H Dube
Filename	NIH.Verbal.Autopsy.Dataset.v1.pdf
