

South Africa - AHRI.Core Dataset:Deaths.2023

Sweetness H Dube

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Identification

SURVEY ID NUMBER

AHRI.RD01-05.CoreDataset.Deaths.2023

TITLE

AHRI.Core Dataset:Deaths.2023

COUNTRY

Name	Country code
South Africa	ZA

ABSTRACT

Includes most, but not all information collected via the DTN form. It also contains some information from the Verbal Autopsy ('VA') visit. However, there is a (deliberate) time-lag of 6 months+ between the DTN and the VA visit, so the VA data are less complete. ICD-10 definitions: The underlying cause of death is the disease or injury that initiated the chain of events leading directly to death. An associated or contributory cause of death is a significant condition that unfavourably influences the course of the morbid process and thus contributes to the fatal outcome, but which is not related to the disease or condition directly causing death. The immediate cause of death is the final disease (condition) or complication that occurred closest to the time of death and directly causes the death. The underlying cause is of most public health importance and is the one usually used for tabulation of mortality statistics

UNIT OF ANALYSIS

Contains one record for each individual registered in ACDIS for whom a Death Outcome Notification Form ("DTN") has been recorded. i.e. the "End Type" of the individual is 'DTH'.

Version

VERSION DESCRIPTION

v1.0.0

Scope

TOPICS

Topic	Vocabulary	URI
Deaths	Africa Health Research Institute	www.ahri.org

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
Kobus Herbst	AHRI
Mark Siedner	AHRI/MGH
Willem Hanekom	AHRI

PRODUCERS

Name
Africa Health Research Institute

OTHER IDENTIFICATIONS/ACKNOWLEDGMENTS

Name
Mpukunyoni community for their participation in the Population Intervention Programme

Data Collection

DATES OF DATA COLLECTION

Start	End
2000-01-01	2023-08-03

Access policy

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.

CITATION REQUIREMENTS

Herbst, K., Siedner, M., & Hanekom, W. (2023). AHRI.Core Dataset:Deaths.2023 [Data set]. Africa Health Research Institute. DOI:<https://doi.org/10.23664/AHRI.RD01-05.COREDATASET.DEATHS.2023>

Metadata production

DDI DOCUMENT ID

DDI.RD01-05.CoreDataset.Deaths.2023

PRODUCERS

Name	Abbreviation
Africa Health Research Institute	AHRI

Data Dictionary

Data file	Cases	Variables
RD01-05 ACDIS Deaths	25923	47

Data file: RD01-05 ACDIS Deaths

Cases: 25923

Variables: 47

Variables

ID	Name	Label	Question
V141	IIIntId	Unique Internal Id of dead person	
V142	DateOfDeath	Date of Death	
V143	IEndInformantId	Unique Internal Id IEnd Informant	
V144	IEndInformantType	Informant's relationship to the dead person	
V145	DateOfBirth	Date of Birth	
V146	Sex	Gender	
V147	DeathNotificationDate	Date of the Visit when the DTN form was completed	
V148	VisitType	Type of Visit at which the DTN form was completed	
V149	DeathSetting	The 'Setting' where the individual died	
V150	DeathCareProvider	Care provider for the deceased	
V151	DeathLocation	Location type of death	
V152	DeathBSIntId	BSIntId of place where individual died	
V153	DeathBSIDIsUrbanOrRural	IS BS of death Urban or Rural	
V154	DeathPlacelsUrban	Is the Non-BS location Urban	
V155	DeathPlacelsFormal	Is the non-BS location Formal	
V156	IsMaternal	Is Maternal	
V157	VACODassigned	Has Cause of death been assigned via Verbal Autopsy process	
V158	ImmediateCauseCode	Immediate cause of death	
V159	ImmediateCauseDesc	Immediate Cause Descriptin	
V160	ImmediateCauseGBDCode	Immediate Cause GBD code	
V161	ImmediateCauseGBDDesc	Immediate Cause GBD Descriptin	
V162	UnderlyingCauseCode	Underlying cause of death	
V163	UnderlyingCauseDesc	Underlying Cause Descriptin	
V164	UnderlyingCauseGBDCode	Underlying Cause GBD code	
V165	UnderlyingCauseGBDDesc	Underlying Cause GBD Desc	
V166	AssociatedCause1Code	Associated cause of death 1	
V167	AssociatedCause1Desc	Associated Cause 1 Descriptin	
V168	AssociatedCause1GBDCode	Associated Cause 1 Cause GBD code	
V169	AssociatedCause1GBDDesc	Associated Cause 1 GBD Descriptin	
V170	AssociatedCause2Code	Associated cause of death 2	
V171	AssociatedCause2Desc	Descriptive label for code above	
V172	AssociatedCause2GBDCode	Associated Cause 2 Cause GBD code	
V173	AssociatedCause2GBDDesc	Associated Cause 2 GBD Descriptin	
V174	DeathCauseGBDgroup	Summary GBD Cause	
V175	ClinicAttendance	Did person seek treatment in last 12m	
V176	MalPrev	Mal Prev	
V177	HivPrev	Hiv Prev	
V178	PregStat	Preg Stat	

ID	Name	Label	Question
V179	PregLik	Preg Lik	
V180	Indet	Indet	
V181	Cause1	Cause 1	
V182	Lik1	Lik 1	
V183	Cause2	Cause 2	
V184	Lik2	Lik 2	
V185	Cause3	Cause 3	
V186	Lik3	Lik 3	
V187	NoSymptoms	No verbal autopsy data	

Total: 47

IINTID: Unique Internal Id of dead person**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 25923 Invalid: 0 Minimum: 11 Maximum: 270768 Mean: 77387.531 Standard deviation: 58679.573
 Type: Continuous Decimal: 0 Width: 12 Range: 11 - 270768 Format: Numeric

DATEOFDEATH: Date of Death**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 25923 Minimum: 1798-01-01 Maximum: 2023-07-27
 Type: Discrete Width: 11 Range: - Format: character

IENDINFORMANTID: Unique Internal Id IEnd Informant**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 15995 Invalid: 9928 Minimum: 16 Maximum: 271619 Mean: 78082.294 Standard deviation: 62689.207
 Type: Continuous Decimal: 0 Width: 12 Range: 16 - 271619 Format: Numeric

IENDINFORMANTTYPE: Informant's relationship to the dead person**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 25923 Invalid: 0
 Type: Discrete Decimal: 0 Width: 12 Range: 0 - 999 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	_none	0	0%
1	Owner	11	0%
4	Household Head	5376	20.7%
6	Household Member	15309	59.1%
7	Member of other HH	114	0.4%
8	self	44	0.2%
9	Mother	2451	9.5%
10	Caregiver	50	0.2%
11	Partner	1	0%

21	Neighbour	8	0%
22	Staff Member	0	0%
94	_query	0	0%
95	_default	14	0.1%
96	_other	2544	9.8%
99	_missing	1	0%
999	Unknown	0	0%

DATEOFBIRTH: Date of Birth

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 25923 Minimum: 1798-01-01 Maximum: 2022-07-05
 Type: Discrete Width: 11 Range: - Format: character

SEX: Gender

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 25923 Invalid: 0
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 9 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Male	13009	50.2%
2	Female	12913	49.8%
9	Unknown	1	0%

DEATHNOTIFICATIONDATE: Date of the Visit when the DTN form was completed

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 25923 Minimum: 1797-01-01 Maximum: 2023-08-03
 Type: Discrete Width: 11 Range: - Format: character

VISITTYPE: Type of Visit at which the DTN form was completed

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 25923 Invalid: 0
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 999 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Avoided Visit	1	0%
2	Unsuccessful Visit	427	1.6%
3	Regular Visit	20651	79.7%
4	Special Task Visit	0	0%
5	Problem Solving	223	0.9%
6	Quality Control	12	0%
7	Spot Check	0	0%
8	Tracking	823	3.2%
9	Verbal Autopsy	0	0%
10	Mapping Visit	7	0%
11	COUNSELLING VISIT	0	0%
12	Illness And Death	36	0.1%
13	Bounded Structure Verification	2	0%
14	Call Centre Visit	0	0%
15	External Study Visit	0	0%
30	Community Liaison Office Visit	2	0%
31	Community Engagement Visit	0	0%
93	Refused Visit	11	0%
94	_query	3721	14.4%
95	_default	0	0%
96	_other	1	0%
97	_non applicable	5	0%
99	_missing	1	0%
255	_deprecated	0	0%
999	Unknown	0	0%

DEATHSETTING: The 'Setting' where the individual died

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 25923 Invalid: 0
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 999 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Own Home	11309	43.6%
2	Working Place	85	0.3%
10	Hospital (not further specified)	221	0.9%
11	Governmental (public) Hospital	10134	39.1%
12	Private Hospital	262	1%
20	Fixed Clinic (not further specified)	41	0.2%
21	Governmental (public) Fixed Clinic	895	3.5%
22	Private Clinic	23	0.1%
30	Africa Centre Counselling Centre	0	0%
31	Mobile Clinic	7	0%
32	GP Surgery	109	0.4%
33	Traditional Healer?s Place	25	0.1%
40	Primary School (not further specified)	2	0%
41	Governmental (public) Primary School	5	0%
42	Private Primary School	1	0%
50	Secondary School (not further specified)	1	0%
51	Governmental (public) Secondary School	3	0%
52	Private Secondary School	1	0%
60	Tertiary Educational Institution	0	0%
66	Other Educational Facility	2	0%
86	Other Homestead	323	1.2%
94	_query	1	0%
95	_default	2	0%
96	_other	1540	5.9%
97	_non applicable	103	0.4%
98	_don't know	820	3.2%
99	_missing	5	0%
999	Unknown	3	0%

DEATHCAREPROVIDER: Care provider for the deceased

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 25923 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 0 - 999 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	_none	838	3.2%
10	Medical Professional	214	0.8%
11	Medical Doctor	681	2.6%
12	Specialised Medical Doctor	32	0.1%
13	General Practitioner	55	0.2%
15	Nurse / Midwife	10645	41.1%
20	Traditional Healer	33	0.1%
30	Counsellor	1	0%
31	Physician	0	0%
32	Pharmacist	0	0%
33	Laboratory Worker	0	0%
66	Other Health Professional	47	0.2%
70	Community Health Worker	7	0%
71	Family Member	11217	43.3%
72	Self	41	0.2%
80	Neighbour	32	0.1%
93	_refused	25	0.1%
94	_query	1	0%
95	_default	3	0%
96	_other	706	2.7%
97	_non applicable	159	0.6%
98	_don't know	1166	4.5%
99	_missing	16	0.1%
255	_deprecated	1	0%
999	Unknown	3	0%

DEATHLOCATION: Location type of death

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 20906 Invalid: 5017

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Homestead	9499	45.4%
2	Facility	10326	49.4%
9	Unknown	1081	5.2%
Sysmiss		5017	

DEATHBSINTID: BSIntId of place where individual died

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 20906 Invalid: 5017 Minimum: 17 Maximum: 999998 Mean: 60865.79 Standard deviation: 219480.135

Type: Continuous Decimal: 0 Width: 12 Range: 17 - 999998 Format: Numeric

DEATHBSIDISURBANORRURAL: IS BS of death Urban or Rural

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 11319 Invalid: 14604

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 999 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Default	1090	9.6%
2	Peri-Urban	2556	22.6%
3	Rural	6931	61.2%
4	Urban	742	6.6%
999	Missing	0	0%
Sysmiss		14604	

DEATHPLACEISURBAN: Is the Non-BS location Urban

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 5001 Invalid: 20922

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 8 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes, Urban	1748	35%
2	No, Rural	1854	37.1%
7	_Not applicable	151	3%
8	_Unknown	1248	25%
Sysmiss		20922	

DEATHPLACEISFORMAL: Is the non-BS location Formal

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 5001 Invalid: 20922

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 8 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes, Formal	1666	33.3%
2	No, not formal	1207	24.1%
3	Tribal Area	648	13%
4	Commercial Farm	10	0.2%
5	Other (??)	10	0.2%
7	_Not Applicable	151	3%
8	_Unknown	1309	26.2%
Sysmiss		20922	

ISMATERNAL: Is Maternal

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 25920 Invalid: 3

Type: Discrete Decimal: 0 Width: 12 Range: 0 - 999 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	Neither pregnant nor recent Delivery/Abortion	4391	16.9%
1	Pregnant	130	0.5%
2	Delivery/abortion in last 90 days	150	0.6%
7	Not applicable (i.e. not a female aged 15-59)	20721	79.9%
8	Don't know	528	2%
999	Unknown	0	0%
Sysmiss		3	

VACODASSIGNED: Has Cause of death been assigned via Verbal Autopsy process

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 25923 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Yes	15078	58.2%
2	No	10845	41.8%
9	Unknown	0	0%

IMMEDIATECAUSECODE: Immediate cause of death

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 4291 Invalid: 0

Type: Discrete Width: 7 Range: - Format: character

IMMEDIATECAUSEDESC: Immediate Cause Descriptin

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 4291

Type: Discrete Width: 200 Range: - Format: character

IMMEDIATECAUSEGBDCODE: Immediate Cause GBD code**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 4291 Invalid: 0
Type: Discrete Width: 4 Range: - Format: character

IMMEDIATECAUSEGBDESC: Immediate Cause GBD Descriptin**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 4291 Invalid: 0
Type: Discrete Width: 80 Range: - Format: character

UNDERLYINGCAUSECODE: Underlying cause of death**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 15731 Invalid: 0
Type: Discrete Width: 7 Range: - Format: character

UNDERLYINGCAUSEDESC: Underlying Cause Descriptin**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 15731
Type: Discrete Width: 200 Range: - Format: character

UNDERLYINGCAUSEGBDCODE: Underlying Cause GBD code**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 15731 Invalid: 0
Type: Discrete Width: 4 Range: - Format: character

UNDERLYINGCAUSEGBDESC: Underlying Cause GBD Desc**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 15731 Invalid: 0
Type: Discrete Width: 80 Range: - Format: character

ASSOCIATEDCAUSE1CODE: Associated cause of death 1**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 1841 Invalid: 0
Type: Discrete Width: 7 Range: - Format: character

ASSOCIATEDCAUSE1DESC: Associated Cause 1 Descriptin**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 1841
Type: Discrete Width: 200 Range: - Format: character

ASSOCIATEDCAUSE1GBDCODE: Associated Cause 1 Cause GBD code**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 1841 Invalid: 0
Type: Discrete Width: 4 Range: - Format: character

ASSOCIATEDCAUSE1GBDESC: Associated Cause 1 GBD Descriptin**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 1841 Invalid: 0
Type: Discrete Width: 80 Range: - Format: character

ASSOCIATEDCAUSE2CODE: Associated cause of death 2**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 426 Invalid: 0
Type: Discrete Width: 7 Range: - Format: character

ASSOCIATEDCAUSE2DESC: Descriptive label for code above**Data file: RD01-05 ACDIS Deaths**

Overview

Valid: 426
 Type: Discrete Width: 200 Range: - Format: character

ASSOCIATEDCAUSE2GBDCODE: Associated Cause 2 Cause GBD code

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 426 Invalid: 0
 Type: Discrete Width: 4 Range: - Format: character

ASSOCIATEDCAUSE2GBDESC: Associated Cause 2 GBD Descriptin

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 426 Invalid: 0
 Type: Discrete Width: 80 Range: - Format: character

DEATHCAUSEGBDGROUP: Summary GBD Cause

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 25923 Invalid: 0
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 9 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	AIDS_TB	7582	29.2%
2	CMPN	2023	7.8%
3	NonComm	3363	13%
4	Injuries	1507	5.8%
9	Unknown	11448	44.2%

CLINICATTENDANCE: Did person seek treatment in last 12m

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 25920 Invalid: 3
 Type: Discrete Decimal: 0 Width: 12 Range: 0 - 999 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	13132	50.7%
1	Yes, admitted to hospital	6527	25.2%
2	Yes, treated as out-patient	3244	12.5%
8	Don't know	1759	6.8%
9	Not Applicable	1258	4.9%
999	Unknown	0	0%
Sysmiss		3	

MALPREV: Mal Prev

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 23530 Invalid: 0
Type: Discrete Width: 1 Range: - Format: character

HIVPREV: Hiv Prev

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 23530 Invalid: 0
Type: Discrete Width: 1 Range: - Format: character

PREGSTAT: Preg Stat

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 23530 Invalid: 0
Type: Discrete Width: 50 Range: - Format: character

PREGLIK: Preg Lik

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 5614 Invalid: 20309 Minimum: 33 Maximum: 100 Mean: 96.072 Standard deviation: 9.689
Type: Continuous Decimal: 0 Width: 12 Range: 33 - 100 Format: Numeric

INDET: Indet**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 23530 Invalid: 2393 Minimum: 0 Maximum: 100 Mean: 9.536 Standard deviation: 17.798
Type: Continuous Decimal: 0 Width: 12 Range: 0 - 100 Format: Numeric

CAUSE1: Cause 1**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 24782 Invalid: 0
Type: Discrete Width: 50 Range: - Format: character

LIK1: Lik 1**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 24782 Invalid: 1141 Minimum: 40 Maximum: 100 Mean: 90.263 Standard deviation: 15.088
Type: Continuous Decimal: 0 Width: 12 Range: 40 - 100 Format: Numeric

CAUSE2: Cause 2**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 1933 Invalid: 0
Type: Discrete Width: 50 Range: - Format: character

LIK2: Lik 2**Data file: RD01-05 ACDIS Deaths****Overview**

Valid: 1933 Invalid: 23990 Minimum: 20 Maximum: 49 Mean: 36.715 Standard deviation: 6.971
Type: Continuous Decimal: 0 Width: 12 Range: 20 - 49 Format: Numeric

CAUSE3: Cause 3**Data file: RD01-05 ACDIS Deaths**

Overview

Valid: 58 Invalid: 0
 Type: Discrete Width: 50 Range: - Format: character

LIK3: Lik 3

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 58 Invalid: 25865
 Type: Discrete Decimal: 0 Width: 12 Range: 20 - 28 Format: Numeric

NOSYMPTOMS: No verbal autopsy data

Data file: RD01-05 ACDIS Deaths

Overview

Valid: 24782 Invalid: 1141
 Type: Discrete Decimal: 0 Width: 12 Range: 0 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	No	23530	94.9%
1	Yes	1252	5.1%
Sysmiss		1141	

Download related resources

Technical documents

DDI:Deaths

Title	DDI:Deaths
Author(s)	Sweetness H Dube
Date	04/10/2023
Country	South Africa
Language	English
Publisher(s)	Sweetness H Dube
Filename	RD01-05.CoreDataset.Deaths.2023.pdf
