

South Africa - Concept sheet - Second line treatment, TasP

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Overview

Identification

ID NUMBER

SecondlineTasP

Version

VERSION DESCRIPTION

1.0.0

PRODUCTION DATE

2015-11-13

NOTES

1.0.0 Initial Release

Overview

ABSTRACT

An estimated quarter of all HIV infected individuals treated with antiretroviral therapy (ART) are failing treatment on first line non-nucleoside reverse transcriptase inhibitor (NNRTI) based treatment and qualify for protease inhibitor based (bPI) second line treatment. It has been observed that up to 32% of those on second line bPI treatment do not suppress the virus, . This has implications for third line therapy in resource limited settings.

Although the published studies are limited, there is a suggestion that the prevalence of PI drug resistance mutation at second line failure in South Africa is very low, up to 7% whereas drug resistance in other drug classes remain high, up to 78% i, v, , . All but one of these studies measured the contribution of non-adherence to second line failure. The contribution of non-adherence, drug toxicity, pharmacokinetics eg concomitant rifampicin use and pharmacodynamics eg lack of refrigerator for soft gel lopinavir tablets to second line failure have been insufficiently studied.

This study aims to estimate the incidence rate of second line failure, the prevalence of antiretroviral drug resistance and to investigate factors associated with second line failure including but not limited to non-adherence, the duration on failing first line regimen, retention in care, drug tolerance, concomitant rifampicin use and lack of refrigeration of lopinavir amongst the TasP second line failing HIV-1 patients.

UNITS OF ANALYSIS

Clusters, Households, Individuals

Coverage

GEOGRAPHIC COVERAGE

Twenty Two survey clusters located in Hlabisa sub-district, Umkhanyakude district, of northern KwaZulu-Natal, South Africa.

The Hlabisa health sub-district is a rural setting of 1 430 km² in size, with a population of approximately 220 000 Zuluspeaking

people of whom 3.3% are located in a formal urban township (KwaMsane), 19.9% in peri-urban areas and the

Treatment as Prevention ANRS 12249 - Overview

- 8 -

remainder (76.8%) classified as living in a rural area. The rural population lives in scattered homesteads that are not

concentrated into villages or compounds (as would be the case in many other parts of Africa).

UNIVERSE

Clusters: the trial area consists of 150 local areas (neighbourhoods). These were aggregated into 34 clusters of between one and six contiguous neighbourhoods, each cluster comprising an average of 1 000 individuals >15 years of age. Clusters were designed to encompass social networks based on earlier studies. TasP phase 1 has been implemented in 10 geographic clusters (5 control and 5 intervention). Twelve additional clusters have been opened in June 2014.

Locations: corresponds to physical locations. There are two types of locations: homesteads and TasP clinics.

Homesteads: the population lives in scattered homesteads that are not concentrated into villages or compounds. All usable and occupied homesteads were eligible for trial participation.

Households: each homestead could be composed of one or several households. An household remains always attached to the same homestead.

Eligible individuals : all 16 years or older and resident household members. Each individual is attached to an household. In case of internal migration, an individual could move to another household.

TasP clinics: dedicated trial clinics implemented in each survey cluster.

Producers and Sponsors

OTHER PRODUCER(S)

Name	Affiliation	Role
Africa Centre for Health and Population Studies	UKZN	

FUNDING

Name	Abbreviation	Role
Agence Nationale de Recherche sur le Sida et les hépatites virales	ANRS	Sponsor and funder
Deutsche Gesellschaft für Internationale Zusammenarbeit	GIZ	Funder
MERCK & Co. Inc and Gilead Sciences		Drugs supply
Wellcome Trust		Core funding of Africa Centre
International Initiative for Impact Evaluation	3ie	Funder

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Kobus Herbst		Africa Centre for Health and Population Studies	Dataset production
Joseph Larmarange		Ceped (UMR 196 Paris Descartes IRD) / Africa Centre for Health and Population Studies	Dataset production
Jaco Dreyer		Africa Centre for Health and Population Studies	Dataset production/documentation

DATE OF METADATA PRODUCTION

2015-11-13

DDI DOCUMENT VERSION

1.0.0

DDI DOCUMENT ID

DDI.SecondLine-TasP

Sampling

No content available

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
2012-03-10	2015-07-15	Data Collection

Time Periods

Start	End	Cycle
2012-03-09		Phase 1
2014-06-01		Phase 2

Data Processing

No content available

Data Appraisal

No content available

File Description

Variable List

Base file

Content	Base file
Cases	121
Variable(s)	24
Structure	Type: Keys: ()
Version	1.0.0
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V199	IndividualId	Individual identifier	contin	numeric	
V200	ClusterType	Cluster Type (arm)	discrete	character	
V201	Sex	Sex	discrete	character	
V202	DateOfBirth	Date of birth	discrete	character	
V203	startdatesecondline	Start date of secondline	discrete	character	
V204	IQ_VisitDate	IQ visit date	discrete	character	
V205	CurrentMaritalStatus	Current marital status	discrete	character	
V206	CurrentlyInEmployment	Currently in employment	discrete	character	
V207	HighestEducationLevel	Highest level of education	discrete	character	
V208	HouseholdId	Household identifier	contin	numeric	
V209	HHI_VisitDate	Household visit date	discrete	character	
V210	HasFridgeFreezer	Has fridge or freezer	discrete	character	
V211	MemberIsResident	Is resident of household	discrete	character	
V212	NearestDoHClinicDistance	Distance in km to nearest DoH clinic	contin	numeric	
V213	NearestTasPClinicDistance	Distance in km to nearest TasP clinic	contin	numeric	
V214	DistanceToN2	Distance in km to N2 (level-1 road)	contin	numeric	
V215	AssetsScore	Assets Score	contin	numeric	
V216	AssetsCat	Assets Score Category	discrete	character	
V217	CBCVisitDate	CBC visit date	discrete	character	
V218	DateHIVDiagnosis	Date of HIV Diagnosis	discrete	character	
V219	BaselineARTUse	Currently on ART	discrete	character	
V220	BaselineARTProvider	Currently on ART - ART provider	discrete	character	
V221	BaselineARTProviderHlabisaClinic	Currently on ART - ART provider, Hlabisa clinic	discrete	character	
V222	BaselineARTProviderOthSpec	Currently on ART - ART	discrete	character	

CHE

Content	Clinical History and Examination forms
Cases	2015
Variable(s)	13
Structure	Type: Keys: ()
Version	1.0.0
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V25	IndividualId	Individual identifier	contin	numeric	
V26	ClusterType	Cluster Type (arm)	discrete	character	
V27	Sex	Sex	discrete	character	
V28	DateOfBirth	Date of birth	discrete	character	
V29	startdatesecondline	Start date of secondline	discrete	character	
V30	VisitId	Visit identifier	contin	numeric	
V31	CHE_VisitDate	CHE visit date	discrete	character	
V236	CurrTBRx	Current TB treatment (CurrTB)	discrete	character	
V33	CurrTBVPDateStarted	Date treatment started (as collected, U means unknown, CurrTB)	discrete	character	
V34	CurrTBDateStarted	Date treatment started (CurrTB)	contin	numeric	
V237	CurrTBDrugRegimen	Drug regimen (CurrTB)	discrete	character	
V238	WHOStage	WHO Stage	discrete	character	
V239	CurrTBSite	TB Site (CurrTB)	discrete	character	

ClinicVisits

Content	Clinic visits
Cases	2960
Variable(s)	8
Structure	Type: Keys: ()
Version	1.0.0
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V38	IndividualId	Individual identifier	contin	numeric	
V39	ClusterType	Cluster Type (arm)	discrete	character	
V40	Sex	Sex	discrete	character	
V41	DateOfBirth	Date of birth	discrete	character	
V42	startdatesecondline	Start date of secondline	discrete	character	
V43	VisitDate	Visit date	discrete	character	
V44	LocationId	Location identifier	contin	numeric	
V45	VisitType	Visit type	discrete	character	

DrugPrescriptions

Content	Drug prescriptions
Cases	1460
Variable(s)	9
Structure	Type: Keys: ()
Version	1.0.0
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V46	IndividualId	Individual identifier	contin	numeric	
V47	ClusterType	Cluster Type (arm)	discrete	character	
V48	Sex	Sex	discrete	character	
V49	DateOfBirth	Date of birth	discrete	character	
V50	startdatesecondline	Start date of secondline	discrete	character	
V51	DrugName	Drug name	discrete	character	
V52	DatePrescribed	Date prescribed	discrete	character	
V53	DoseAndFreq	Dose and frequency	discrete	character	
V54	DaysCovered	Period - days covered	contin	numeric	

PositiveHHMembers

Content	Other Positive household members?
Cases	125
Variable(s)	6
Structure	Type: Keys: ()
Version	1.0.0
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V73	IndividualId	Individual identifier	contin	numeric	
V74	ClusterType	Cluster Type (arm)	discrete	character	
V75	Sex	Sex	discrete	character	
V76	DateOfBirth	Date of birth	discrete	character	
V77	startdatesecondline	Start date of secondline	discrete	character	
V78	NumOfPosHHMembers	Number of persons HIV Positive in same Household	discrete	numeric	

HIVDrugTreatment

Content	Antiretroviral drug treatment
Cases	2394
Variable(s)	17
Structure	Type: Keys: ()
Version	1.0.0
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V96	IndividualId	Individual identifier	contin	numeric	
V97	ClusterType	Cluster Type (arm)	discrete	character	
V98	Sex	Sex	discrete	character	
V99	DateOfBirth	Date of birth	discrete	character	
V100	startdatesecondline	Start date of secondline	discrete	character	
V248	HIVDrug1	Antiretroviral drug 1	discrete	character	
V247	HIVDrugName1	Antiretroviral drug name 1	discrete	character	
V246	HIVDrug2	Antiretroviral drug 2	discrete	character	
V245	HIVDrugName2	Antiretroviral drug name 2	discrete	character	
V244	HIVDrug3	Antiretroviral drug 3	discrete	character	
V243	HIVDrugName3	Antiretroviral drug name 3	discrete	character	
V242	HIVDrug4	Antiretroviral drug 4	discrete	character	
V241	HIVDrugName4	Antiretroviral drug name 4	discrete	character	
V109	OnAtripla	Is regimen ATRIPLA?	discrete	numeric	
V110	DateStarted	Date that regimen was started	discrete	character	
V111	DateStopped	Date that regimen was stopped	discrete	character	
V240	HIVDrugRegimen	Antiretroviral drug regimen	discrete	character	

SCI-CFU

Content	Social Science amd Clinical Follow Up
Cases	136
Variable(s)	15
Structure	Type: Keys: ()
Version	1.0.0
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V294	IndividualId	Individual identifier	contin	numeric	
V295	ClusterType	Cluster Type (arm)	discrete	character	
V296	Sex	Sex	discrete	character	
V297	DateOfBirth	Date of birth	discrete	character	
V298	startdatesecondline	Start date of secondline	discrete	character	
V299	SCI_VisitDate	SCI visit date	discrete	character	
V300	ADHMissPillsLastWEnd	Adherence - ARV missed last week-end	discrete	character	
V301	ADHAllPillsLast4d	Adherence - Full daily dose in one go (last 4 days)	discrete	character	
V302	CFU_VisitDate	CFU visit date	discrete	character	
V303	AdhSelfMissedAnyLast4d	Adherence - Thinking back over the mast 4 days, have you missed any of your pills	discrete	character	
V304	AdhVASscore	Adherence - Visual Analogue Scale (in %)	contin	numeric	
V305	AdhReturnedContainers	Adherence - Did the participant reurn the pill containers?	discrete	numeric	
V306	AdhNDispensed	Adherence - Number of pills dispensed	contin	numeric	
V307	AdhNReturned	Adherence - Number of pills returned	contin	numeric	
V308	AdhExpectedToTake	Adherence - Number of pills expected to be taken	contin	numeric	

TestResults

Content	Lab Test Results
Cases	1393
Variable(s)	8
Structure	Type: Keys: ()
Version	1.0.0
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V123	IndividualId	Individual identifier	contin	numeric	
V124	ClusterType	Cluster Type (arm)	discrete	character	
V125	Sex	Sex	discrete	character	
V126	DateOfBirth	Date of birth	discrete	character	
V127	startdatesecondline	Start date of secondline	discrete	character	
V128	TestDate	Date of laboratory tests	discrete	character	
V129	CD4Count	CD4 count from NHLS (/μL)	contin	numeric	
V130	ViralLoad	ViralLoad: Viral Load (copies/mL)	contin	numeric	

ExitFormDetails

Content	Exit Form Details
Cases	125
Variable(s)	20
Structure	Type: Keys: ()
Version	1.0.0
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V179	IndividualId	Individual identifier	contin	numeric	
V180	ClusterType	Cluster Type (arm)	discrete	character	
V181	Sex	Sex	discrete	character	
V182	DateOfBirth	Date of birth	discrete	character	
V183	startdatesecndline	Start date of secondline	discrete	character	
V249	ExitType	Exit Type	discrete	character	
V185	DTHDate	Death - Date of death generated from DTHVPDate	discrete	character	
V186	DTHVPDate	Death - Date of death as recorded (U means unknown)	discrete	character	
V250	DTHImmedCauseDesc	Death - Immediate cause	discrete	character	
V251	DTHUnderlyingCauseDesc	Death - Underlying cause	discrete	character	
V189	LFUDate	Lost to Follow-Up - Date of LFU generated from LFUVPDate	discrete	character	
V190	LFUVPDate	Lost to Follow-Up - Date of LFU as recorded (U means unknown)	discrete	character	
V252	LFUReason	Lost to Follow-Up - Reason	discrete	character	
V192	TRODate	Transfer Out - Date of TFO generated from TROVPDate	discrete	character	
V193	TROVPDate	Transfer Out - Date of TFO s recorded (U means unknown)	discrete	character	
V253	TROReason	Transfer Out - Reason	discrete	character	
V195	OutDate	Out Migration - Date of OUT generated from OUTVPDate	discrete	character	
V196	OutVPDate	Out Migration - Date of OUT as recorded (U means unknown)	discrete	character	
V254	OutReason	Out Migration - Reason	discrete	character	
V255	Notes	Notes	discrete	character	

Individual identifier (IndividualId)

File: Base file

Overview

Type: Continuous	Valid cases: 121
Format: numeric	Invalid: 0
Width: 12	Minimum: 272
Decimals: 0	Maximum: 27386
Range: 272-26392	Mean: 12603.7
	Standard deviation: 7992.4

Cluster Type (arm) (ClusterType)

File: Base file

Overview

Type: Discrete	Valid cases: 120
Format: character	Invalid: 0
Width: 9	

Sex (Sex)

File: Base file

Overview

Type: Discrete	Valid cases: 121
Format: character	Invalid: 0
Width: 3	

Date of birth (DateOfBirth)

File: Base file

Overview

Type: Discrete	Valid cases: 121
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Start date of secondline (startdatesecondline)

File: Base file

Overview

Type: Discrete	Valid cases: 121
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

IQ visit date (IQ_VisitDate)

File: Base file

Overview

Type: Discrete	Valid cases: 94
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Current marital status (CurrentMaritalStatus)

File: Base file

Overview

Type: Discrete

Valid cases: 94

Format: character

Width: 200

Currently in employment (CurrentlyInEmployment)

File: Base file

Overview

Type: Discrete

Valid cases: 94

Format: character

Width: 200

Highest level of education (HighestEducationLevel)

File: Base file

Overview

Type: Discrete

Valid cases: 94

Format: character

Width: 200

Household identifier (HouseholdId)

File: Base file

Overview

Type: Continuous

Valid cases: 84

Format: numeric

Invalid: 37

Width: 12

Minimum: 194

Decimals: 0

Maximum: 10483

Range: 194-10483

Mean: 3966.5

Standard deviation: 2488

Household visit date (HHI_VisitDate)

File: Base file

Overview

Type: Discrete

Valid cases: 84

Format: character

Minimum: NaN

Width: 11

Maximum: NaN

Has fridge or freezer (HasFridgeFreezer)

File: Base file

Overview

Type: Discrete

Valid cases: 84

Format: character

Width: 200

Is resident of household (MemberIsResident)

File: Base file

Overview

Type: Discrete
 Format: character
 Width: 200

Valid cases: 84

Distance in km to nearest DoH clinic (NearestDoHClinicDistance)

File: Base file

Overview

Type: Continuous
 Format: numeric
 Width: 10
 Decimals: 0
 Range: 0.67351-7.863441
 Invalid: 11

Valid cases: 7
 Invalid: 114
 Minimum: 2
 Maximum: 7.5
 Mean: 6.1
 Standard deviation: 2

Distance in km to nearest TasP clinic (NearestTasPClinicDistance)

File: Base file

Overview

Type: Continuous
 Format: numeric
 Width: 10
 Decimals: 0
 Range: 0.051936-2.857189
 Invalid: 11

Valid cases: 7
 Invalid: 114
 Minimum: 1.2
 Maximum: 2.7
 Mean: 1.7
 Standard deviation: 0.6

Distance in km to N2 (level-1 road) (DistanceToN2)

File: Base file

Overview

Type: Continuous
 Format: numeric
 Width: 10
 Decimals: 0
 Range: 0.190923-13.409769
 Invalid: 101

Valid cases: 7
 Invalid: 114
 Minimum: 0.2
 Maximum: 3.7
 Mean: 1.5
 Standard deviation: 1.3

Assets Score (AssetsScore)

File: Base file

Overview

Type: Continuous
 Format: numeric
 Width: 10
 Decimals: 0
 Range: -1.53877816402785-2.41929194315902
 Invalid: 11

Valid cases: 84
 Invalid: 37
 Minimum: -1.5
 Maximum: 2.6
 Mean: -0.1
 Standard deviation: 0.9

Assets Score Category (AssetsCat)

File: Base file

Overview

Type: Discrete

Format: character

Width: 200

Valid cases: 84

CBC visit date (CBCVisitDate)

File: Base file

Overview

Type: Discrete

Format: character

Width: 11

Valid cases: 111

Minimum: NaN

Maximum: NaN

Date of HIV Diagnosis (DateHIVDiagnosis)

File: Base file

Overview

Type: Discrete

Format: character

Width: 11

Valid cases: 111

Minimum: NaN

Maximum: NaN

Currently on ART (BaselineARTUse)

File: Base file

Overview

Type: Discrete

Format: character

Width: 200

Valid cases: 111

Currently on ART - ART provider (BaselineARTProvider)

File: Base file

Overview

Type: Discrete

Format: character

Width: 200

Valid cases: 111

Currently on ART - ART provider, Hlabisa clinic (BaselineARTProviderHlabisaClinic)

File: Base file

Overview

Type: Discrete

Format: character

Width: 200

Valid cases: 111

Currently on ART - ART (BaselineARTProviderOthSpec)

File: Base file

Overview

Type: Discrete
Format: character
Width: 50

Valid cases: 111
Invalid: 0

Individual identifier (IndividualId)

File: CHE

Overview

Type: Continuous	Valid cases: 2015
Format: numeric	Invalid: 0
Width: 12	Minimum: 272
Decimals: 0	Maximum: 27386
Range: 272-26392	Mean: 11983.5
	Standard deviation: 7609

Cluster Type (arm) (ClusterType)

File: CHE

Overview

Type: Discrete	Valid cases: 2000
Format: character	Invalid: 0
Width: 9	

Sex (Sex)

File: CHE

Overview

Type: Discrete	Valid cases: 2015
Format: character	Invalid: 0
Width: 3	

Date of birth (DateOfBirth)

File: CHE

Overview

Type: Discrete	Valid cases: 2015
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Start date of secondline (startdatesecondline)

File: CHE

Overview

Type: Discrete	Valid cases: 2015
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Visit identifier (VisitId)

File: CHE

Overview

Visit identifier (VisitId)

File: CHE

Type: Continuous
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1565-156555

Valid cases: 2015
 Invalid: 0
 Minimum: 1565
 Maximum: 174888
 Mean: 67192.7
 Standard deviation: 43590.6

CHE visit date (CHE_VisitDate)

File: CHE

Overview

Type: Discrete
 Format: character
 Width: 11

Valid cases: 2015
 Minimum: NaN
 Maximum: NaN

Current TB treatment (CurrTB) (CurrTBRx)

File: CHE

Overview

Type: Discrete
 Format: character
 Width: 200

Valid cases: 2015

Date treatment started (as collected, U means unknown, CurrTB) (CurrTBVPDateStarted)

File: CHE

Overview

Type: Discrete
 Format: character
 Width: 8

Valid cases: 49
 Invalid: 0

Date treatment started (CurrTB) (CurrTBDateStarted)

File: CHE

Overview

Type: Continuous
 Format: numeric
 Width: 11
 Decimals: 0
 Range: 1474070400000-1750550400000
 Invalid: 10000000000001

Valid cases: 49
 Invalid: 1966
 Minimum: 1474070400000
 Maximum: 1750550400000
 Mean: 1696677355102
 Standard deviation: 36561678417.4

Drug regimen (CurrTB) (CurrTBDrugRegimen)

File: CHE

Overview

Drug regimen (CurrTB) (CurrTBDrugRegimen)

File: CHE

Type: Discrete
Format: character
Width: 200

Valid cases: 2015

WHO Stage (WHOStage)

File: CHE

Overview

Type: Discrete
Format: character
Width: 200

Valid cases: 2015

TB Site (CurrTB) (CurrTBSite)

File: CHE

Overview

Type: Discrete
Format: character
Width: 200

Valid cases: 2015

Individual identifier (IndividualId)

File: ClinicVisits

Overview

Type: Continuous	Valid cases: 2960
Format: numeric	Invalid: 0
Width: 12	Minimum: 272
Decimals: 0	Maximum: 27386
Range: 272-26392	Mean: 11904.3
	Standard deviation: 7801.2

Cluster Type (arm) (ClusterType)

File: ClinicVisits

Overview

Type: Discrete	Valid cases: 2936
Format: character	Invalid: 0
Width: 9	

Sex (Sex)

File: ClinicVisits

Overview

Type: Discrete	Valid cases: 2960
Format: character	Invalid: 0
Width: 3	

Date of birth (DateOfBirth)

File: ClinicVisits

Overview

Type: Discrete	Valid cases: 2960
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Start date of secondline (startdatesecondline)

File: ClinicVisits

Overview

Type: Discrete	Valid cases: 2960
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Visit date (VisitDate)

File: ClinicVisits

Overview

Type: Discrete	Valid cases: 2960
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Location identifier (LocationId)

File: ClinicVisits

Overview

Type: Continuous	Valid cases: 2960
Format: numeric	Invalid: 0
Width: 12	Minimum: 607
Decimals: 0	Maximum: 21978
Range: 607-21978	Mean: 7505.1
	Standard deviation: 5374.6

Visit type (VisitType)

File: ClinicVisits

Overview

Type: Discrete	Valid cases: 2960
Format: character	Invalid: 0
Width: 3	

Individual identifier (IndividualId)

File: DrugPrescriptions

Overview

Type: Continuous	Valid cases: 1460
Format: numeric	Invalid: 0
Width: 12	Minimum: 272
Decimals: 0	Maximum: 27386
Range: 272-26392	Mean: 11515
	Standard deviation: 7874.4

Cluster Type (arm) (ClusterType)

File: DrugPrescriptions

Overview

Type: Discrete	Valid cases: 1448
Format: character	Invalid: 0
Width: 9	

Sex (Sex)

File: DrugPrescriptions

Overview

Type: Discrete	Valid cases: 1460
Format: character	Invalid: 0
Width: 3	

Date of birth (DateOfBirth)

File: DrugPrescriptions

Overview

Type: Discrete	Valid cases: 1460
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Start date of secondline (startdatesecondline)

File: DrugPrescriptions

Overview

Type: Discrete	Valid cases: 1460
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Drug name (DrugName)

File: DrugPrescriptions

Overview

Type: Discrete	Valid cases: 1440
Format: character	Invalid: 0
Width: 50	

Date prescribed (DatePrescribed)

File: DrugPrescriptions

Overview

Type: Discrete	Valid cases: 1440
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Dose and frequency (DoseAndFreq)

File: DrugPrescriptions

Overview

Type: Discrete	Valid cases: 1440
Format: character	Invalid: 0
Width: 100	

Period - days covered (DaysCovered)

File: DrugPrescriptions

Overview

Type: Continuous	Valid cases: 1440
Format: numeric	Invalid: 20
Width: 12	Minimum: 0
Decimals: 0	Maximum: 999
Range: 0-999	Mean: 39.2
	Standard deviation: 131

Individual identifier (IndividualId)

File: PositiveHHMembers

Overview

Type: Continuous	Valid cases: 125
Format: numeric	Invalid: 0
Width: 12	Minimum: 272
Decimals: 0	Maximum: 27386
Range: 272-26392	Mean: 12500.1
	Standard deviation: 8087

Cluster Type (arm) (ClusterType)

File: PositiveHHMembers

Overview

Type: Discrete	Valid cases: 124
Format: character	Invalid: 0
Width: 9	

Sex (Sex)

File: PositiveHHMembers

Overview

Type: Discrete	Valid cases: 125
Format: character	Invalid: 0
Width: 3	

Date of birth (DateOfBirth)

File: PositiveHHMembers

Overview

Type: Discrete	Valid cases: 125
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Start date of secondline (startdatesecondline)

File: PositiveHHMembers

Overview

Type: Discrete	Valid cases: 125
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Number of persons HIV Positive in same Household (NumOfPosHHMembers)

File: PositiveHHMembers

Overview

Number of persons HIV Positive in same Household (NumOfPosHHMembers)

File: PositiveHHMembers

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 2-5

Valid cases: 85
Invalid: 40

Individual identifier (IndividualId)

File: HIVDrugTreatment

Overview

Type: Continuous	Valid cases: 2394
Format: numeric	Invalid: 0
Width: 12	Minimum: 272
Decimals: 0	Maximum: 27386
Range: 272-26392	Mean: 11981.8
	Standard deviation: 7844.8

Cluster Type (arm) (ClusterType)

File: HIVDrugTreatment

Overview

Type: Discrete	Valid cases: 2375
Format: character	Invalid: 0
Width: 9	

Sex (Sex)

File: HIVDrugTreatment

Overview

Type: Discrete	Valid cases: 2394
Format: character	Invalid: 0
Width: 3	

Date of birth (DateOfBirth)

File: HIVDrugTreatment

Overview

Type: Discrete	Valid cases: 2394
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Start date of secondline (startdatesecondline)

File: HIVDrugTreatment

Overview

Type: Discrete	Valid cases: 2394
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Antiretroviral drug 1 (HIVDrug1)

File: HIVDrugTreatment

Overview

Type: Discrete	Valid cases: 2394
Format: character	
Width: 200	

Antiretroviral drug name 1 (HIVDrugName1)

File: HIVDrugTreatment

Overview

Type: Discrete

Valid cases: 2394

Format: character

Width: 200

Antiretroviral drug 2 (HIVDrug2)

File: HIVDrugTreatment

Overview

Type: Discrete

Valid cases: 2394

Format: character

Width: 200

Antiretroviral drug name 2 (HIVDrugName2)

File: HIVDrugTreatment

Overview

Type: Discrete

Valid cases: 2394

Format: character

Width: 200

Antiretroviral drug 3 (HIVDrug3)

File: HIVDrugTreatment

Overview

Type: Discrete

Valid cases: 2394

Format: character

Width: 200

Antiretroviral drug name 3 (HIVDrugName3)

File: HIVDrugTreatment

Overview

Type: Discrete

Valid cases: 2394

Format: character

Width: 200

Antiretroviral drug 4 (HIVDrug4)

File: HIVDrugTreatment

Overview

Type: Discrete

Valid cases: 42

Format: character

Width: 200

Antiretroviral drug name 4 (HIVDrugName4)

File: HIVDrugTreatment

Overview

Type: Discrete

Format: character

Width: 200

Valid cases: 42

Is regimen ATRIPLA? (OnAtripla)

File: HIVDrugTreatment

Overview

Type: Discrete

Format: numeric

Width: 2

Decimals: 0

Range: 0-1

Valid cases: 2394

Invalid: 0

Date that regimen was started (DateStarted)

File: HIVDrugTreatment

Overview

Type: Discrete

Format: character

Width: 11

Valid cases: 2394

Minimum: NaN

Maximum: NaN

Date that regimen was stopped (DateStopped)

File: HIVDrugTreatment

Overview

Type: Discrete

Format: character

Width: 11

Valid cases: 66

Minimum: NaN

Maximum: NaN

Antiretroviral drug regimen (HIVDrugRegimen)

File: HIVDrugTreatment

Overview

Type: Discrete

Format: character

Width: 200

Valid cases: 2394

Individual identifier (IndividualId)

File: SCI-CFU

Overview

Type: Continuous	Valid cases: 136
Format: numeric	Invalid: 0
Width: 12	Minimum: 585
Decimals: 0	Maximum: 26392
Range: 272-26392	Mean: 12812.4
	Standard deviation: 7930

Cluster Type (arm) (ClusterType)

File: SCI-CFU

Overview

Type: Discrete	Valid cases: 135
Format: character	Invalid: 0
Width: 9	

Sex (Sex)

File: SCI-CFU

Overview

Type: Discrete	Valid cases: 136
Format: character	Invalid: 0
Width: 3	

Date of birth (DateOfBirth)

File: SCI-CFU

Overview

Type: Discrete	Valid cases: 136
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Start date of secondline (startdatesecondline)

File: SCI-CFU

Overview

Type: Discrete	Valid cases: 136
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

SCI visit date (SCI_VisitDate)

File: SCI-CFU

Overview

Type: Discrete	Valid cases: 136
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Adherence - ARV missed last week-end (ADHMissPillsLastWEnd)

File: SCI-CFU

Overview

Type: Discrete
 Format: character
 Width: 4

Valid cases: 136
 Invalid: 0

Adherence - Full daily dose in one go (last 4 days) (ADHAllPillsLast4d)

File: SCI-CFU

Overview

Type: Discrete
 Format: character
 Width: 4

Valid cases: 136
 Invalid: 0

CFU visit date (CFU_VisitDate)

File: SCI-CFU

Overview

Type: Discrete
 Format: character
 Width: 11

Valid cases: 111
 Minimum: NaN
 Maximum: NaN

Adherence - Thinking back over the mast 4 days, have you missed any of your pills (AdhSelfMissedAnyLast4d)

File: SCI-CFU

Overview

Type: Discrete
 Format: character
 Width: 4

Valid cases: 111
 Invalid: 0

Adherence - Visual Analogue Scale (in %) (AdhVASscore)

File: SCI-CFU

Overview

Type: Continuous
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 70-999

Valid cases: 111
 Invalid: 25
 Minimum: 70
 Maximum: 999
 Mean: 120.9
 Standard deviation: 147.2

Adherence - Did the participant reurn the pill containers? (AdhReturnedContainers)

File: SCI-CFU

Overview

Adherence - Did the participant return the pill containers? (AdhReturnedContainers)

File: SCI-CFU

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

Valid cases: 111
Invalid: 25

Adherence - Number of pills dispensed (AdhNDispensed)

File: SCI-CFU

Overview

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 32-999

Valid cases: 111
Invalid: 25
Minimum: 32
Maximum: 999
Mean: 410.5
Standard deviation: 381.5

Adherence - Number of pills returned (AdhNReturned)

File: SCI-CFU

Overview

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 0-999

Valid cases: 111
Invalid: 25
Minimum: 0
Maximum: 999
Mean: 310
Standard deviation: 440.3

Adherence - Number of pills expected to be taken (AdhExpectedToTake)

File: SCI-CFU

Overview

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 25-999

Valid cases: 111
Invalid: 25
Minimum: 25
Maximum: 999
Mean: 394.7
Standard deviation: 391.1

Individual identifier (IndividualId)

File: TestResults

Overview

Type: Continuous	Valid cases: 1393
Format: numeric	Invalid: 0
Width: 12	Minimum: 272
Decimals: 0	Maximum: 27386
Range: 272-26392	Mean: 12059.1
	Standard deviation: 7831.6

Cluster Type (arm) (ClusterType)

File: TestResults

Overview

Type: Discrete	Valid cases: 1381
Format: character	Invalid: 0
Width: 9	

Sex (Sex)

File: TestResults

Overview

Type: Discrete	Valid cases: 1393
Format: character	Invalid: 0
Width: 3	

Date of birth (DateOfBirth)

File: TestResults

Overview

Type: Discrete	Valid cases: 1393
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Start date of secondline (startdatesecondline)

File: TestResults

Overview

Type: Discrete	Valid cases: 1393
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Date of laboratory tests (TestDate)

File: TestResults

Overview

Type: Discrete	Valid cases: 1390
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

CD4 count from NHLS (/µL) (CD4Count)

File: TestResults

Overview

Type: Continuous	Valid cases: 734
Format: numeric	Invalid: 659
Width: 12	Minimum: 2
Decimals: 0	Maximum: 1497
Range: 2-1497	Mean: 296.9
	Standard deviation: 220.8

ViralLoad: Viral Load (copies/mL) (ViralLoad)

File: TestResults

Overview

Type: Continuous	Valid cases: 1058
Format: numeric	Invalid: 335
Width: 12	Minimum: 1
Decimals: 0	Maximum: 11000000
Range: 1-11000000	Mean: 71708.2
	Standard deviation: 454056.6

Individual identifier (IndividualId)

File: ExitFormDetails

Overview

Type: Continuous	Valid cases: 125
Format: numeric	Invalid: 0
Width: 12	Minimum: 272
Decimals: 0	Maximum: 27386
Range: 272-26392	Mean: 12594.6
	Standard deviation: 7921.1

Cluster Type (arm) (ClusterType)

File: ExitFormDetails

Overview

Type: Discrete	Valid cases: 124
Format: character	Invalid: 0
Width: 9	

Sex (Sex)

File: ExitFormDetails

Overview

Type: Discrete	Valid cases: 125
Format: character	Invalid: 0
Width: 3	

Date of birth (DateOfBirth)

File: ExitFormDetails

Overview

Type: Discrete	Valid cases: 125
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Start date of secondline (startdatesecondline)

File: ExitFormDetails

Overview

Type: Discrete	Valid cases: 125
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Exit Type (ExitType)

File: ExitFormDetails

Overview

Type: Discrete	Valid cases: 38
Format: character	
Width: 200	

Death - Date of death generated from DTHVPDate (DTHDate)

File: ExitFormDetails

Overview

Type: Discrete
 Format: character
 Width: 11

Valid cases: 2
 Minimum: NaN
 Maximum: NaN

Death - Date of death as recorded (U means unknown) (DTHVPDate)

File: ExitFormDetails

Overview

Type: Discrete
 Format: character
 Width: 8

Valid cases: 4
 Invalid: 0

Death - Immediate cause (DTHImmedCauseDesc)

File: ExitFormDetails

Overview

Type: Discrete
 Format: character
 Width: 200

Valid cases: 4

Death - Underlying cause (DTHUnderlyingCauseDesc)

File: ExitFormDetails

Overview

Type: Discrete
 Format: character
 Width: 200

Valid cases: 0

Lost to Follow-Up - Date of LFU generated from LFUVPDate (LFUDate)

File: ExitFormDetails

Overview

Type: Discrete
 Format: character
 Width: 11

Valid cases: 0

Lost to Follow-Up - Date of LFU as recorded (U means unknown) (LFUVPDate)

File: ExitFormDetails

Overview

Lost to Follow-Up - Date of LFU as recorded (U means unknown) (LFUVPDate)

File: ExitFormDetails

Type: Discrete

Format: character

Width: 8

Valid cases: 3

Invalid: 0

Lost to Follow-Up - Reason (LFUReason)

File: ExitFormDetails

Overview

Type: Discrete

Format: character

Width: 200

Valid cases: 3

Transfer Out - Date of TFO generated from TROVPDate (TRODate)

File: ExitFormDetails

Overview

Type: Discrete

Format: character

Width: 11

Valid cases: 15

Minimum: NaN

Maximum: NaN

Transfer Out - Date of TFO s recorded (U means unknown) (TROVPDate)

File: ExitFormDetails

Overview

Type: Discrete

Format: character

Width: 8

Valid cases: 16

Invalid: 0

Transfer Out - Reason (TROReason)

File: ExitFormDetails

Overview

Type: Discrete

Format: character

Width: 200

Valid cases: 16

Out Migration - Date of OUT generated from OUTVPDate (OutDate)

File: ExitFormDetails

Overview

Type: Discrete

Format: character

Width: 11

Valid cases: 9

Minimum: NaN

Maximum: NaN

Out Migration - Date of OUT as recorded (U means unknown) (OutVPDate)

File: ExitFormDetails

Overview

Type: Discrete

Format: character

Width: 8

Valid cases: 23

Invalid: 0

Out Migration - Reason (OutReason)

File: ExitFormDetails

Overview

Type: Discrete

Format: character

Width: 200

Valid cases: 23

Notes (Notes)

File: ExitFormDetails

Overview

Type: Discrete

Format: character

Width: 200

Valid cases: 9

Documentation

Other materials

Dataset documentation

Title Dataset documentation
Filename ddi-documentation-english-45.pdf

Concept sheet - Outcomes on second line

Title Concept sheet - Outcomes on second line
Filename TasP Concept sheet_outcomes on second line_dami collier.pdf

Nesstar Dataset documentation

Title Nesstar Dataset documentation
Filename Consept Sheet - Second line - documentation.pdf
