

South Africa - Home-based Intervention to Test and Start (HITS)

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Overview

Identification

ID NUMBER

AHRI.HITS.2019.v1

Version

VERSION DESCRIPTION

V1.0.0

Overview

ABSTRACT

The HITS trial aims to evaluate the effect of two interventions - micro-incentives (R50 food voucher) and a male-targeted HIV specific decision support (EPIC-HIV) - on increasing home-based testing and linkage to HIV care among men with the ultimate aim of reducing HIV related mortality in men and HIV incidence in young women. The HITS trial is nested in the AHRI HIV surveillance platform. The HIV surveillance is annually conducted on all resident individuals aged 15 year or older to collect sexual behaviour, general health data and dried blood spots (DBS) samples for anonymized HIV testing, as well as offer rapid HIV testing. The trial was delivered in 2018 in a four strata using a 2 x2 factorial design in 45 clusters (weekblocks) in the southern AHRI HIV Surveillance area. The four strata are: Arm 1 micro-incentives (n=8), Arm 2 both micro-incentives and EPIC-HIV (n=8), Arm 3 EPIC-HIV (n=8) and Arm 4 standard of care (n=21). Individuals were eligible if they agreed to participate in the annual HIV surveillance. Both males and females were eligible to receive the micro-incentives, but only males were eligible to receive EPIC-HIV. Individuals that reported to be already on antiretroviral therapy were not eligible to receive any of the HITS interventions. The interventions were offered in a two-stage scheme.

The first stage was aimed at encouraging HIV testing (rapid test) and the second stage aimed at encouraging linkage to care if tested HIV positive. Micro-incentives were conditional on undergoing a home-based rapid HIV test. If diagnosed with HIV and presented for HIV care in one of the local departments of health clinics servicing the HIV surveillance program area within 6 weeks of the HIV test, participants received a second R50 food voucher. EPIC-HIV was available in two versions (EPIC-HIV1 and EPIC-HIV 2). EPIC-HIV 1 was offered to men at the point of HIV test offer prior to HIV counselling and testing to support men when choosing whether or not to test for HIV. If participants were diagnosed with HIV but did not present in the local Department of Health clinic within a month of the positive HIV test, a study tracker team re-visited participants at home and offered EPIC-HIV 2

KIND OF DATA

Survey data and clinical data

UNITS OF ANALYSIS

Individual

KEYWORDS

Home-based HIV testing, EPIC-HIV, Micro-incentives

Coverage

GEOGRAPHIC COVERAGE

Umkhanyakude district, Southern PIPSA

UNIVERSE

Individuals aged 15 years and older, and resident members of the AHRI HIV surveillance southern area.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Prof Frank Tanser	AHRI, University of Lincoln
Prof Till Barnaghausen	AHRI, University of Heidelberg

OTHER PRODUCER(S)

Name	Affiliation	Role
Africa Health Research Institute		

FUNDING

Name	Abbreviation	Role
National Institute for Health	NIH	Funder

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Africa Health Research Institute	AHRI		

DDI DOCUMENT ID

DDI.AHRI.HITS.2019.v1

Sampling

Sampling Procedure

2 x2 factorial design in 45 clusters (weekblocks) in the southern AHRI HIV Surveillance area. The four strata are: Arm 1 micro-incentives (n=8), Arm 2 both micro-incentives and EPIC-HIV (n=8), Arm 3 EPIC-HIV (n=8) and Arm 4 standard of care (n=21). Individuals were eligible if they agreed to participate in the annual HIV surveillance

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
2018-01-30	2018-12-11	N/A

Data Processing

No content available

Data Appraisal

No content available

File Description

Variable List

AHRI.HITS.LinkageToCare.2019.v1

Content
Cases 37031
Variable(s) 43
Structure Type:
Keys: ()
Version
Producer
Missing Data

Variables

ID	Name	Label	Type	Format	Question
V1403	IntID	Unique Internal Id of Individual	contin	numeric	
V1404	BSIntId	Bounded Structure Id	contin	numeric	
V1405	DateOfBirth	Date of Birth	discrete	character	
V1406	Sex	Sex	discrete	numeric	
V1407	Status	Record Outcome	discrete	numeric	
V1408	Isigodi	Isigodi	discrete	character	
V1409	LocalArea	LocalArea	discrete	character	
V1410	ConsentBloodSpecim	Consent Blood Speciman	discrete	numeric	
V1411	DBSHIVResult	DBS HIV results	discrete	numeric	
V1412	ConsentHIVRapidTest	Consent to Rapid HIV test to know HIV status	discrete	numeric	
V1413	RapidTestResult	HIV test result	discrete	numeric	
V1414	EverPosHIVResult	Have you ever had a positive HIV test result?	discrete	numeric	
V1415	OnART	Are you currently receiving ART?	discrete	numeric	
V1416	PrevOnART	Have you ever taken ART for your own health?	discrete	numeric	
V1417	ConsentToFoodVoucher	Consent to receive a R50 food voucher conditional on accepting a Rapid HIV test	discrete	numeric	
V1418	FoodVoucherIssued	Has the food voucher been issued?	discrete	numeric	
V1419	ConsentToEPIC	Consent receive information about encouraging to test for HIV through a computer	discrete	numeric	
V1420	HITSEpicDone	Have the participant completed the EPIC application?	discrete	numeric	
V1421	VisitDate	Visit Date	discrete	character	
V1422	Weekblock	Week block	discrete	character	
V1423	Week	Week	contin	numeric	
V1424	HITSConsentStartDateTime	Individual Informed Consent For Hits: HITS Consent Start Date and Time	discrete	character	
V1425	HITSConsentEndDateTime	Individual Informed Consent For Hits: HITS Consent End Date and Time	discrete	character	
V1426	EPIC_StartDateTime	Individual Informed Consent For Hits: EPIC Start Date and Time	discrete	character	
V1427	EPIC_EndDateTime	Individual Informed Consent For Hits: EPIC End Date and Time	discrete	character	

ID	Name	Label	Type	Format	Question
V1428	EPIC_PartStartDateTime	Individual Informed Consent For Hits: EPIC Participants Survey Start Date and Tim	discrete	character	
V1429	EPIC_PartEndDateTime	Individual Informed Consent For Hits: EPIC Participants Survey End Date and Time	discrete	character	
V1430	FoodVoucherStartDateTime	Specimen Collection and HIV Rapid Test: HITS Food Voucher Start Date and Time	discrete	character	
V1431	FoodVoucherEndDateTime	Specimen Collection and HIV Rapid Test: HITS Food Voucher End Date and Time	discrete	character	
V1432	HITSLinkCareEndDateTime	Managing HIV Results: HITS Link to Care End Date and Time	discrete	character	
V1433	HITSLinkCareStartDateTime	Managing HIV Results: HITS Link to Care Start Date and Time	discrete	character	
V1434	HIVConsentStartDateTime	Date/Time for starting - Informed Consent Part 2	discrete	character	
V1435	HIVConsentEndDateTime	Date/Time for completion - Informed Consent Part 2	discrete	character	
V1436	HIVTestStartDateTime	Date/Time for starting - Specimen Collection	discrete	character	
V1437	HIVTestEndDateTime	Date/Time for completion - Specimen Collection	discrete	character	
V1438	outcome	outcome	discrete	numeric	
V1439	LinkVoucher	Is the Participant linked to the HITS Food Voucher?	discrete	numeric	
V1440	PIPVisitDate	PIP Visit Date	discrete	character	
V1441	ClinicVisitDate	Clinic Visit Date	discrete	character	
V1442	IssueVoucher	Are you going to issue the Food Voucher today?	discrete	numeric	
V1443	IssueVoucherDate	Date of issuing Food Voucher	discrete	character	
V1444	DateDiff	Date difference between Clinic Visit Date and PIP Visit Date	contin	numeric	
V1445	DataCollector	Data Collector Code	contin	numeric	

Unique Internal Id of Individual (IIntID)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Continuous	Valid cases: 37031
Format: numeric	Invalid: 0
Width: 12	Minimum: 17
Decimals: 0	Maximum: 220658
Range: 17-220658	Mean: 77325.1
	Standard deviation: 51633.1

Bounded Structure Id (BSIntId)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Continuous	Valid cases: 37031
Format: numeric	Invalid: 0
Width: 12	Minimum: 11
Decimals: 0	Maximum: 90107
Range: 11-90107	Mean: 9627
	Standard deviation: 10411.2

Date of Birth (DateOfBirth)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete	Valid cases: 37031
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Sex (Sex)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete	Valid cases: 37031
Format: numeric	Invalid: 0
Width: 12	
Decimals: 0	
Range: 1-2	

Record Outcome (Status)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete	Valid cases: 37028
Format: numeric	Invalid: 3
Width: 12	
Decimals: 0	
Range: 1-4	

Isigodi (Isigodi)

File: AHRI.HITS.LinkageToCare.2019.v1

Isigodi (Isigodi)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete	Valid cases: 37031
Format: character	Invalid: 0
Width: 30	

LocalArea (LocalArea)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete	Valid cases: 37031
Format: character	Invalid: 0
Width: 30	

Consent Blood Speciman (ConsentBloodSpecim)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete	Valid cases: 15038
Format: numeric	Invalid: 21993
Width: 12	
Decimals: 0	
Range: 1-2	

DBS HIV results (DBSHIVResult)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete	Valid cases: 10949
Format: numeric	Invalid: 26082
Width: 12	
Decimals: 0	
Range: 0-3	

Consent to Rapid HIV test to know HIV status (ConsentHIVRapidTest)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete	Valid cases: 15664
Format: numeric	Invalid: 21367
Width: 12	
Decimals: 0	
Range: 1-2	

HIV test result (RapidTestResult)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

HIV test result (RapidTestResult)

File: AHRI.HITS.LinkageToCare.2019.v1

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

Valid cases: 8692
 Invalid: 28339

Have you ever had a positive HIV test result? (EverPosHIVResult)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-93

Valid cases: 13057
 Invalid: 23974

Are you currently receiving ART? (OnART)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-93

Valid cases: 2826
 Invalid: 34205

Have you ever taken ART for your own health? (PrevOnART)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-93

Valid cases: 2825
 Invalid: 34206

Consent to receive a R50 food voucher conditional on accepting a Rapid HIV test (ConsentToFoodVoucher)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-2

Valid cases: 5635
 Invalid: 31396

Has the food voucher been issued? (FoodVoucherIssued)

File: AHRI.HITS.LinkageToCare.2019.v1

Has the food voucher been issued? (FoodVoucherIssued)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete	Valid cases: 3628
Format: numeric	Invalid: 33403
Width: 12	
Decimals: 0	
Range: 1-2	

Consent receive information about encouraging to test for HIV through a computer (ConsentToEPIC)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete	Valid cases: 1656
Format: numeric	Invalid: 35375
Width: 12	
Decimals: 0	
Range: 1-2	

Have the participant completed the EPIC application? (HITSEpicDone)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete	Valid cases: 1077
Format: numeric	Invalid: 35954
Width: 12	
Decimals: 0	
Range: 1-2	

Visit Date (VisitDate)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete	Valid cases: 37028
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Week block (Weekblock)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete	Valid cases: 37031
Format: character	Invalid: 0
Width: 15	

Week (Week)

File: AHRI.HITS.LinkageToCare.2019.v1

Week (Week)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Continuous	Valid cases: 37031
Format: numeric	Invalid: 0
Width: 12	Minimum: 1
Decimals: 0	Maximum: 45
Range: 1-45	Mean: 22.9
	Standard deviation: 12.9

Individual Informed Consent For Hits: HITS Consent Start Date and Time (HITSConsentStartDateTime)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete	Valid cases: 2088
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Individual Informed Consent For Hits: HITS Consent End Date and Time (HITSConsentEndDateTime)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete	Valid cases: 2087
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Individual Informed Consent For Hits: EPIC Start Date and Time (EPIC_StartDateTime)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete	Valid cases: 306
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Individual Informed Consent For Hits: EPIC End Date and Time (EPIC_EndDateTime)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete	Valid cases: 303
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Individual Informed Consent For Hits: EPIC Participants Survey Start Date and Tim (EPIC_PartStartDateTime)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
Format: character
Width: 11

Valid cases: 181
Minimum: NaN
Maximum: NaN

Individual Informed Consent For Hits: EPIC Participants Survey End Date and Time (EPIC_PartEndDateTime)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
Format: character
Width: 11

Valid cases: 181
Minimum: NaN
Maximum: NaN

Specimen Collection and HIV Rapid Test: HITS Food Voucher Start Date and Time (FoodVoucherStartDateTime)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
Format: character
Width: 11

Valid cases: 1214
Minimum: NaN
Maximum: NaN

Specimen Collection and HIV Rapid Test: HITS Food Voucher End Date and Time (FoodVoucherEndDateTime)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
Format: character
Width: 11

Valid cases: 1215
Minimum: NaN
Maximum: NaN

Managing HIV Results: HITS Link to Care End Date and Time (HITSLinkCareEndDateTime)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
Format: character
Width: 11

Valid cases: 103
Minimum: NaN
Maximum: NaN

Managing HIV Results: HITS Link to Care Start Date and Time (HITSLinkCareStartDateTime)

File: AHRI.HITS.LinkageToCare.2019.v1

Managing HIV Results: HITS Link to Care Start Date and Time (HITSLinkCareStartDateTime)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
Format: character
Width: 11

Valid cases: 103
Minimum: NaN
Maximum: NaN

Date/Time for starting - Informed Consent Part 2 (HIVConsentStartDateTime)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
Format: character
Width: 11

Valid cases: 15661
Minimum: NaN
Maximum: NaN

Date/Time for completion - Informed Consent Part 2 (HIVConsentEndDateTime)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
Format: character
Width: 11

Valid cases: 15662
Minimum: NaN
Maximum: NaN

Date/Time for starting - Specimen Collection (HIVTestStartDateTime)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
Format: character
Width: 11

Valid cases: 13240
Minimum: NaN
Maximum: NaN

Date/Time for completion - Specimen Collection (HIVTestEndDateTime)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
Format: character
Width: 11

Valid cases: 13229
Minimum: NaN
Maximum: NaN

outcome (outcome)

File: AHRI.HITS.LinkageToCare.2019.v1

outcome (outcome)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-4

Valid cases: 640
 Invalid: 36391

Is the Participant linked to the HITS Food Voucher? (LinkVoucher)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-2

Valid cases: 0
 Invalid: 37031

PIP Visit Date (PIPVisitDate)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
 Format: character
 Width: 11

Valid cases: 212
 Minimum: NaN
 Maximum: NaN

Clinic Visit Date (ClinicVisitDate)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
 Format: character
 Width: 11

Valid cases: 89
 Minimum: NaN
 Maximum: NaN

Are you going to issue the Food Voucher today? (IssueVoucher)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Discrete
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1-2

Valid cases: 54
 Invalid: 36977

Date of issuing Food Voucher (IssueVoucherDate)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Date of issuing Food Voucher (IssueVoucherDate)

File: AHRI.HITS.LinkageToCare.2019.v1

Type: Discrete

Format: character

Width: 11

Valid cases: 48

Minimum: NaN

Maximum: NaN

Date difference between Clinic Visit Date and PIP Visit Date (DateDiff)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Continuous

Format: numeric

Width: 12

Decimals: 0

Range: 0-328719

Valid cases: 89

Invalid: 36942

Minimum: 0

Maximum: 328719

Mean: 3756.6

Standard deviation: 34837.5

Data Collector Code (DataCollector)

File: AHRI.HITS.LinkageToCare.2019.v1

Overview

Type: Continuous

Format: numeric

Width: 12

Decimals: 0

Range: 1-54

Valid cases: 35966

Invalid: 1065

Minimum: 1

Maximum: 54

Mean: 26.5

Standard deviation: 15.9

Documentation

Technical documents

DDI:HITS

Title DDI:HITS
Author(s) Sweetness H Dube
Date 03/03/2020
Country South Africa
Language English
Filename AHRI.HITS.2019.v1.pdf

Documentation:Home-Based Intervention to Test and Start (HITS)

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Author(s) Sweetness H Dube
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Country South Africa
Language English
Filename Data Documentation.docx
