

South Africa - Health service provision  
for and utilisation by young people  
(10-24 years) study conducted between  
September 2016 and August 2017  
within the Africa Health Research  
Institute's Population Intervention  
Programme Surveillance Area in  
northern KwaZulu-Natal, South Africa

**Sweetness H Dube**

Report generated on: April 9, 2019

Visit our data catalog at: <https://data.africacentre.ac.za/index.php>

## Overview

### Identification

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**ID NUMBER**

AHRI.HSYP.Data

### Version

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**VERSION DESCRIPTION**

V1.0.0

### Overview

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**ABSTRACT**

The aim of this formative research was to explore current health service provision for adolescents and young people (10-24 years old) in rural KwaZulu-Natal and to identify potential areas for improvement of services. The specific objectives were: (1) to summarise government health policy in relation to young people and the services that should be available (2) to document the primary health care services that are available to young people (3) to document health service utilisation by young people (4) to document and assess the appropriateness of the locations where young people could potentially access health services (places they congregate or meet) (5) to explore facilitators and barriers to health service uptake by young people (6) to outline a proposal to develop and test the impact of an intervention to improve health service utilisation by young people. The study methods comprised qualitative interviews with young people, health workers and key stakeholders (District officials, local leaders, parents/guardians), participatory mapping by young people of their communities, and a retrospective health record review. The data available are both qualitative and quantitative. Qualitative data comprise anonymised and de-identified transcripts, audio-recordings, interview summaries, drawings, and notes from spiral walk observations. Quantitative data comprise (1) health register review data captured in the field on REDCap forms: main variables are age, gender, presenting condition, treatment given, screening of learners, referrals (2) District Health Information System (DHIS) adolescent health indicator data for the 17 PHCC in Mtubatuba and Hlabisa sub-districts for the period May 2016-September 2016. (3) ClinicLink data for 11 PHCC and one hospital linked to the AHRI population intervention platform for the period Jan-Dec 2017: main variables are age, gender, reason for attendance.

**KIND OF DATA**

Health register data; coded textual data; textual data; audio recordings; drawings

**UNITS OF ANALYSIS**

Individual and group interview data. Individual and aggregate health register data

**TOPICS**

Topic	Vocabulary	URI
Adolescent; Adolescent Behavior; Primary Health Care/statistics & numerical data; Qualitative Research; Quality of Health Care; Reproductive Health Services; Humans; South Africa	Africa Health Research Institute	www.ahri.org

**KEYWORDS**

South Africa; Adolescent; Health Services; Young Adult

### Coverage

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**GEOGRAPHIC COVERAGE**

Population Intervention Programme Study Area of the Africa Health Research Institute

**UNIVERSE**

Rural and peri-urban young males and females aged 10-24 years and adults (all ages)

## Producers and Sponsors

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### PRIMARY INVESTIGATOR(S)

Name	Affiliation
Doyle, Aoife	London School of Hygiene & Tropical Medicine
Seeley, Janet	Africa Health Research Institute

### OTHER PRODUCER(S)

Name	Affiliation	Role
Africa Health Research Institute		

### FUNDING

Name	Abbreviation	Role
ViiV Healthcare	ViiV	Causal Pathways to population health impact of HIV antiretroviral treatment

### OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
Mchunu, Lerato	AHRI	Supervised data collection, collected data
Ngwenya, Nothando	AHRI	Managed data collection
Gumede, Dumile	AHRI	Managed data collection
Nkosi, Busi	AHRI	Documented/archived qualitative data

## Metadata Production

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### METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Africa Health Research Institute	AHRI		

### DDI DOCUMENT ID

DDI.AHRI.HSYP.Data

## **Sampling**

### **Sampling Procedure**

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Participants were recruited face to face in the schools, community and health facilities using purposive sampling

## **Questionnaires**

No content available

## Data Collection

### Data Collection Dates

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<b>Start</b>	<b>End</b>	<b>Cycle</b>
2016-09-01	2017-08-30	N/A

## **Data Processing**

### **Data Editing**

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Transcribed data were translated into English and iteratively analysed for themes using content analysis. A deductive and inductive organising framework was used to organise the data and to develop codes and themes. After familiarisation with the interviews, three researchers (BN, LSM, NN) and fieldworkers conducted initial open coding independently. These were reviewed by two co-authors (JS and AD). Themes were determined by the content of the interview guides combined with an inductive development of codes as they emerged from the data

## **Data Appraisal**

No content available

## **File Description**

## **Variable List**

## ClinicLinkAYP

Content	
Cases	37694
Variable(s)	31
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

## Variables

ID	Name	Label	Type	Format	Question
V87	llntId	PIPIId	contin	numeric	
V88	IdNo	Participant Identification(sequential)	contin	numeric	
V89	VisitDate	Clinic Visit Date	discrete	character	
V90	FacilityServiceName	Reason for Visit	discrete	numeric	
V91	DoBVP	VPDate Of Birth	discrete	character	
V92	DateOfBirth	Date Of Birth	discrete	character	
V93	FacilityName	Name of Facility	discrete	character	
V94	FacilityNameCode	FacilityNameCode	discrete	character	
V95	counter		discrete	numeric	
V96	novisits		discrete	numeric	
V97	novisit_gp	Number of visits/client	discrete	numeric	
V98	samevisit		discrete	numeric	
V99	count		contin	numeric	
V100	uniqueVis		discrete	numeric	
V101	uniqueID		discrete	numeric	
V102	mthvisit	Month of clinic visit	discrete	numeric	
V103	yrvisit	Year of clinic visit	discrete	character	
V104	yob	Year of birth (string)	discrete	character	
V105	yob_f	Year of birth (long)	discrete	character	
V106	yob2	Year of birth (float)	discrete	character	
V107	dob		discrete	character	
V108	age1	Age of client	discrete	numeric	
V109	days1		contin	numeric	
V110	mthdob	Month of birth	discrete	numeric	
V111	yrdob	Year of birth	discrete	numeric	
V112	yrdiff		discrete	numeric	
V113	agegroup	Age group of client	discrete	numeric	
V114	ayp	Adolescent or young person (10-24y)	discrete	numeric	

<b>ID</b>	<b>Name</b>	<b>Label</b>	<b>Type</b>	<b>Format</b>	<b>Question</b>
V115	ado	Adolescent (10-19y)	discrete	numeric	
V116	mthvisit_freq		contin	numeric	
V117	mthvisit_freqAYP		contin	numeric	

## DHIS\_Hlabisa\_short

Content

Cases 185

Variable(s) 4

Structure Type:  
Keys: ()

Version

Producer

Missing Data

## Variables

ID	Name	Label	Type	Format	Question
V118	DataElementName	Data Element Name	discrete	character	
V119	Total		contin	numeric	
V120	PHC	PHC	discrete	numeric	
V121	MaySep16		contin	numeric	

## HSYPpinkregister2

Content

Cases 4121

Variable(s) 16

Structure Type:  
Keys: ()

Version

Producer

Missing Data

## Variables

ID	Name	Label	Type	Format	Question
V122	recordid	Record ID	contin	numeric	
V123	age	1. Age	discrete	numeric	
V124	nameofclinic	2. Name of clinic	discrete	numeric	
V125	locationofmobileclinic	Where was mobile clinic located ?	discrete	character	
V126	clinicvisitdatebypatient	6. Clinic visit date by patient	discrete	character	
V127	provisionaldiagnosis	8. Provisional Diagnosis 1	discrete	numeric	
V128	provisionaldiagnosis2	9. Provisional Diagnosis 2	discrete	numeric	
V129	provisionaldiagnosis3	10. Provisional Diagnosis 3	discrete	numeric	
V130	treatment	11. Treatment/Management 1	discrete	numeric	
V131	treatment2	12. Treatment/Management 2	discrete	numeric	
V132	treatment3	13. Treatment/Management 3	discrete	numeric	
V133	othertreatment	Other Treatment/Management	discrete	character	
V134	followupvisit	14. Follow-up visit	discrete	numeric	
V135	gender	15. Gender	discrete	numeric	
V136	datec	Date of capture	discrete	character	
V137	agegp	Age group of client	discrete	numeric	

## HSYPschoolreg

Content	
Cases	209
Variable(s)	49
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

## Variables

ID	Name	Label	Type	Format	Question
V138	recordid	Record ID	contin	numeric	
V139	schoolcode		discrete	numeric	
V140	dateextracted	Date extracted	discrete	character	
V141	dateofregister	Date of register	discrete	character	
V142	gender	Gender	discrete	numeric	
V143	grade8screened	Grade 8 screened	discrete	numeric	
V144	grade10screened	Grade 10 screened	discrete	numeric	
V145	underweight	Underweight	discrete	numeric	
V146	overweight	Overweight	discrete	numeric	
V147	oralhealth	Oral health	discrete	numeric	
V148	eyehealth	Eye health	discrete	numeric	
V149	hearing	Hearing	discrete	numeric	
V150	speech	Speech	discrete	numeric	
V151	suspectedtb	Suspected TB	discrete	numeric	
V152	psychosocial	Psycho-social	discrete	numeric	
V153	immunisedtotal	Immunised total	discrete	numeric	
V154	twelveyrtdgiven	12yr Td given	discrete	numeric	
V155	minorailment	Minor ailment	discrete	numeric	
V156	dewormingdose	De-worming dose	discrete	numeric	
V157	followup	Follow-up	discrete	numeric	
V158	otherreferrals	Other referrals	discrete	numeric	
V159	treatmentgiven__1	Treatment given (choice=Advice given)	discrete	numeric	
V160	treatmentgiven__2	Treatment given (choice=Refer for dental caries)	discrete	numeric	
V161	treatmentgiven__3	Treatment given (choice=No abnormalities detected (NAD))	discrete	numeric	
V162	treatmentgiven__4	Treatment given (choice=Refer for poor eye sight)	discrete	numeric	
V163	treatmentgiven__5	Treatment given (choice=Deworming)	discrete	numeric	
V164	treatmentgiven__6	Treatment given (choice=PVD)	discrete	numeric	
V165	treatmentgiven__7	Treatment given (choice=Refer to clinic for check-up)	discrete	numeric	

<b>ID</b>	<b>Name</b>	<b>Label</b>	<b>Type</b>	<b>Format</b>	<b>Question</b>
V166	treatmentgiven__8	Treatment given (choice=Wasted/low weight- refer to clinic)	discrete	numeric	
V167	treatmentgiven__9	Treatment given (choice=Wax on ear)	discrete	numeric	
V168	treatmentgiven__10	Treatment given (choice=Whitespots/acne/pimples)	discrete	numeric	
V169	treatmentgiven__11	Treatment given (choice=Td given)	discrete	numeric	
V170	treatmentgiven__12	Treatment given (choice=Refer to Social Worker)	discrete	numeric	
V171	treatmentgiven__13	Treatment given (choice=Refer for cardiac problem)	discrete	numeric	
V172	treatmentgiven__14	Treatment given (choice=Refer for trauma and injuries)	discrete	numeric	
V173	treatmentgiven__15	Treatment given (choice=Refer for urinary problem)	discrete	numeric	
V174	treatmentgiven__16	Treatment given (choice=Wound care)	discrete	numeric	
V175	treatmentgiven__17	Treatment given (choice=Symptomatic Treatment)	discrete	numeric	
V176	treatmentgiven__18	Treatment given (choice=Respiratory problems and Oral problems)	discrete	numeric	
V177	treatmentgiven__19	Treatment given (choice=General non-specific complaints)	discrete	numeric	
V178	treatmentgiven__20	Treatment given (choice=Ear problems)	discrete	numeric	
V179	treatmentgiven__21	Treatment given (choice=Anaemia)	discrete	numeric	
V180	treatmentgiven__22	Treatment given (choice=Referral to high level)	discrete	numeric	
V181	treatmentgiven__23	Treatment given (choice=Gastric problems)	discrete	numeric	
V182	treatmentgiven__24	Treatment given (choice=Abscess)	discrete	numeric	
V183	treatmentgiven__25	Treatment given (choice=GI problems)	discrete	numeric	
V184	treatmentgiven__26	Treatment given (choice=Positive pregnancy test)	discrete	numeric	
V185	treatmentgiven__27	Treatment given (choice=Refused refer)	discrete	numeric	
V186	treatmentgiven__28	Treatment given (choice=Info and psychological support (including reassurance))	discrete	numeric	

## HSYPTickregister

Content

Cases 115

Variable(s) 14

Structure Type:  
Keys: ()

Version

Producer

Missing Data

## Variables

ID	Name	Label	Type	Format	Question
V187	record_id	Record ID	contin	numeric	
V188	healthfacility	Health facility code	discrete	numeric	
V189	monthregisterwasdone	4. Month register was done	discrete	numeric	
V190	registerno	5. Register number	contin	numeric	
V191	pagenumber	6. Page number	contin	numeric	
V192	dateofdataextraction	7. Date of data extraction	discrete	character	
V193	familyplanningacceptor	8. Family planning acceptor under 18 years	discrete	numeric	
V194	diabetesclientunder18yearsnew	9. Diabetes client under 18 years new	discrete	numeric	
V195	mentalhealthclientbelow18yrs	10. Mental health clients under 18 years	discrete	numeric	
V196	tddoseat12yrs	11. Td dose at 12 years	discrete	numeric	
V197	anc1stvisitunder18years	12. ANC 1st visit under 18 years	discrete	numeric	
V198	phcclientseennurse	13. PHC clients seen by professional Nurse	discrete	numeric	
V199	dataconsistent	63. Are the data consistent ?	discrete	numeric	
V200	inconsistencyinthedata	Please explain the inconsistency in the data	discrete	character	



## PIPIId (IIntId)

File: ClinicLinkAYP

### Overview

Type: Continuous	Valid cases: 17052
Format: numeric	Invalid: 20642
Width: 12	Minimum: 54
Decimals: 0	Maximum: 215790
Range: 54-215790	Mean: 107343.9
	Standard deviation: 62564.7

## Participant Identification(sequential) (IdNo)

File: ClinicLinkAYP

### Overview

Type: Continuous	Valid cases: 37694
Format: numeric	Invalid: 0
Width: 12	Minimum: 16
Decimals: 0	Maximum: 90476
Range: 16-90476	Mean: 45379.2
	Standard deviation: 26080.1

## Clinic Visit Date (VisitDate)

File: ClinicLinkAYP

### Overview

Type: Discrete	Valid cases: 37694
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

## Reason for Visit (FacilityServiceName)

File: ClinicLinkAYP

### Overview

Type: Discrete	Valid cases: 37694
Format: numeric	Invalid: 0
Width: 12	
Decimals: 0	
Range: 1-24	

## VPDate Of Birth (DoBVP)

File: ClinicLinkAYP

### Overview

Type: Discrete	Valid cases: 37694
Format: character	Invalid: 0
Width: 8	

## Date Of Birth (DateOfBirth)

File: ClinicLinkAYP

### Overview

## Date of Birth (DateOfBirth)

File: ClinicLinkAYP

Type: Discrete  
Format: character  
Width: 10

Valid cases: 37694  
Invalid: 0

## Name of Facility (FacilityName)

File: ClinicLinkAYP

### Overview

Type: Discrete  
Format: character  
Width: 20

Valid cases: 37694  
Invalid: 0

## FacilityNameCode (FacilityNameCode)

File: ClinicLinkAYP

### Overview

Type: Discrete  
Format: character  
Width: 3

Valid cases: 37694  
Invalid: 0

## (counter)

File: ClinicLinkAYP

### Overview

Type: Discrete  
Format: numeric  
Width: 9  
Decimals: 0  
Range: 1-21

Valid cases: 37694  
Invalid: 0

## (novisits)

File: ClinicLinkAYP

### Overview

Type: Discrete  
Format: numeric  
Width: 9  
Decimals: 0  
Range: 1-21

Valid cases: 37694  
Invalid: 0  
Minimum: 1  
Maximum: 21

## Number of visits/client (novisit\_gp)

File: ClinicLinkAYP

### Overview

Type: Discrete  
Format: numeric  
Width: 9  
Decimals: 0  
Range: 1-4

Valid cases: 37694  
Invalid: 0

## (samevisit)

File: ClinicLinkAYP

### Overview

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

Valid cases: 37694  
 Invalid: 0

## (count)

File: ClinicLinkAYP

### Overview

Type: Continuous  
 Format: numeric  
 Width: 9  
 Decimals: 0  
 Range: 16-233370

Valid cases: 37694  
 Invalid: 0  
 Minimum: 16  
 Maximum: 233370  
 Mean: 117076.1  
 Standard deviation: 66894.2

## (uniqueVis)

File: ClinicLinkAYP

### Overview

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

Valid cases: 37694  
 Invalid: 0

## (uniqueID)

File: ClinicLinkAYP

### Overview

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

Valid cases: 37694  
 Invalid: 0

## Month of clinic visit (mthvisit)

File: ClinicLinkAYP

### Overview

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

Valid cases: 37694  
 Invalid: 0  
 Minimum: 1  
 Maximum: 12

## Year of clinic visit (yrvisit)

File: ClinicLinkAYP

### Overview

Type: Discrete	Valid cases: 37694
Format: character	Minimum: 3977
Width: 11	Maximum: 3977

## Year of birth (string) (yob)

File: ClinicLinkAYP

### Overview

Type: Discrete	Valid cases: 37694
Format: character	Invalid: 0
Width: 4	

## Year of birth (long) (yob\_f)

File: ClinicLinkAYP

### Overview

Type: Discrete	Valid cases: 37694
Format: character	Minimum: 2048
Width: 11	Maximum: 2064

## Year of birth (float) (yob2)

File: ClinicLinkAYP

### Overview

Type: Discrete	Valid cases: 37694
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

## (dob)

File: ClinicLinkAYP

### Overview

Type: Discrete	Valid cases: 37694
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

## Age of client (age1)

File: ClinicLinkAYP

### Overview

Type: Discrete	Valid cases: 37694
Format: numeric	Invalid: 0
Width: 9	Minimum: 10
Decimals: 0	Maximum: 24
Range: 10-24	

## (days1)

File: ClinicLinkAYP

### Overview

Type: Continuous	Valid cases: 37694
Format: numeric	Invalid: 0
Width: 9	Minimum: 0
Decimals: 0	Maximum: 365
Range: 0-365	Mean: 185
	Standard deviation: 105.6

## Month of birth (mthdob)

File: ClinicLinkAYP

### Overview

Type: Discrete	Valid cases: 37694
Format: numeric	Invalid: 0
Width: 9	Minimum: 1
Decimals: 0	Maximum: 12
Range: 1-12	

## Year of birth (yrdob)

File: ClinicLinkAYP

### Overview

Type: Discrete	Valid cases: 37694
Format: numeric	Invalid: 0
Width: 9	Minimum: 1992
Decimals: 0	Maximum: 2007
Range: 1992-2007	

## (yrdiff)

File: ClinicLinkAYP

### Overview

Type: Discrete	Valid cases: 37694
Format: numeric	Invalid: 0
Width: 9	Minimum: 10
Decimals: 0	Maximum: 25
Range: 10-25	

## Age group of client (agegroup)

File: ClinicLinkAYP

### Overview

Type: Discrete	Valid cases: 37694
Format: numeric	Invalid: 0
Width: 9	
Decimals: 0	
Range: 0-100	

## Adolescent or young person (10-24y) (ayp)

File: ClinicLinkAYP

### Overview

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

Valid cases: 37694  
Invalid: 0

## Adolescent (10-19y) (ado)

File: ClinicLinkAYP

### Overview

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

Valid cases: 37694  
Invalid: 0

## (mthvisit\_freq)

File: ClinicLinkAYP

### Overview

Type: Continuous  
Format: numeric  
Width: 9  
Decimals: 0  
Range: 11-4782

Valid cases: 36379  
Invalid: 1315  
Minimum: 11  
Maximum: 4782  
Mean: 2278.9  
Standard deviation: 1110.3

## (mthvisit\_freqAYP)

File: ClinicLinkAYP

### Overview

Type: Continuous  
Format: numeric  
Width: 9  
Decimals: 0  
Range: 2-667

Valid cases: 36379  
Invalid: 1315  
Minimum: 2  
Maximum: 667  
Mean: 374.6  
Standard deviation: 144.9

## Data Element Name (DataElementName)

File: DHIS\_Hlabisa\_short

### Overview

Type: Discrete

Format: character

Width: 69

Valid cases: 185

Invalid: 0

## (Total)

File: DHIS\_Hlabisa\_short

### Overview

Type: Continuous

Format: numeric

Width: 10

Decimals: 0

Range: 0-156401

Valid cases: 185

Invalid: 0

Minimum: 0

Maximum: 156401

Mean: 4553.2

Standard deviation: 17387

## PHC (PHC)

File: DHIS\_Hlabisa\_short

### Overview

Type: Discrete

Format: numeric

Width: 10

Decimals: 0

Range: 1-18

Valid cases: 185

Invalid: 0

## (MaySep16)

File: DHIS\_Hlabisa\_short

### Overview

Type: Continuous

Format: numeric

Width: 9

Decimals: 0

Range: 0-45990

Valid cases: 148

Invalid: 37

Minimum: 0

Maximum: 45990

Mean: 1736.2

Standard deviation: 5724.1

## Record ID (recordid)

File: HSYPPinkregister2

### Overview

Type: Continuous	Valid cases: 4121
Format: numeric	Invalid: 0
Width: 8	Minimum: 1
Decimals: 0	Maximum: 4126
Range: 1-4126	Mean: 2064.7
	Standard deviation: 1191.1

## 1. Age (age)

File: HSYPPinkregister2

### Overview

Type: Discrete	Valid cases: 4121
Format: numeric	Invalid: 0
Width: 8	
Decimals: 0	
Range: 10-24	

## 2. Name of clinic (nameofclinic)

File: HSYPPinkregister2

### Overview

Type: Discrete	Valid cases: 4121
Format: numeric	Invalid: 0
Width: 8	
Decimals: 0	
Range: 1-22	

## Where was mobile clinic located ? (locationofmobileclinic)

File: HSYPPinkregister2

### Overview

Type: Discrete	Valid cases: 682
Format: character	Invalid: 0
Width: 14	

## 6. Clinic visit date by patient (clinicvisitdatebypatient)

File: HSYPPinkregister2

### Overview

Type: Discrete	Minimum: NaN
Format: character	Maximum: NaN
Width: 11	

## 8. Provisional Diagnosis 1 (provisionaldiagnosis)

File: HSYPPinkregister2

### Overview

## 8. Provisional Diagnosis 1 (provisionaldiagnosis1)

File: HSYPPinkregister2

Type: Discrete  
Format: numeric  
Width: 44  
Decimals: 0  
Range: 1-41

Valid cases: 4121  
Invalid: 0

## 9. Provisional Diagnosis 2 (provisionaldiagnosis2)

File: HSYPPinkregister2

### Overview

Type: Discrete  
Format: numeric  
Width: 44  
Decimals: 0  
Range: 1-41

Valid cases: 241  
Invalid: 3880

## 10. Provisional Diagnosis 3 (provisionaldiagnosis3)

File: HSYPPinkregister2

### Overview

Type: Discrete  
Format: numeric  
Width: 44  
Decimals: 0  
Range: 1-41

Valid cases: 6  
Invalid: 4115

## 11. Treatment/Management 1 (treatment1)

File: HSYPPinkregister2

### Overview

Type: Discrete  
Format: numeric  
Width: 41  
Decimals: 0  
Range: 1-41

Valid cases: 4121  
Invalid: 0

## 12. Treatment/Management 2 (treatment2)

File: HSYPPinkregister2

### Overview

Type: Discrete  
Format: numeric  
Width: 41  
Decimals: 0  
Range: 1-41

Valid cases: 1055  
Invalid: 3066

## 13. Treatment/Management 3 (treatment3)

File: HSYPPinkregister2

### Overview

### 13. Treatment/Management 3 (treatment3)

File: HSYPPinkregister2

Type: Discrete  
Format: numeric  
Width: 41  
Decimals: 0  
Range: 1-41

Valid cases: 161  
Invalid: 3960

### Other Treatment/Management (othertreatment)

File: HSYPPinkregister2

#### Overview

Type: Discrete  
Format: character  
Width: 29

Valid cases: 6  
Invalid: 0

### 14. Follow-up visit (followupvisit)

File: HSYPPinkregister2

#### Overview

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

Valid cases: 4102  
Invalid: 19

### 15. Gender (gender)

File: HSYPPinkregister2

#### Overview

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

Valid cases: 4121  
Invalid: 0

### Date of capture (datec)

File: HSYPPinkregister2

#### Overview

Type: Discrete  
Format: character  
Width: 11

Minimum: NaN  
Maximum: NaN

### Age group of client (agegp)

File: HSYPPinkregister2

#### Overview

## **Age group of client (agegp)**

File: HSYPinkregister2

Type: Discrete  
Format: numeric  
Width: 10  
Decimals: 0  
Range: 1-3

Valid cases: 4121  
Invalid: 0

## Record ID (recordid)

File: HSYPschoolreg

### Overview

Type: Continuous	Valid cases: 209
Format: numeric	Invalid: 0
Width: 8	Minimum: 1
Decimals: 0	Maximum: 301
Range: 1-301	Mean: 107.6
	Standard deviation: 66.6

## (schoolcode)

File: HSYPschoolreg

### Overview

Type: Discrete	Valid cases: 209
Format: numeric	Invalid: 0
Width: 9	
Decimals: 0	
Range: 1-7	

## Date extracted (dateextracted)

File: HSYPschoolreg

### Overview

Type: Discrete	Minimum: NaN
Format: character	Maximum: NaN
Width: 11	

## Date of register (dateofregister)

File: HSYPschoolreg

### Overview

Type: Discrete	Valid cases: 209
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

## Gender (gender)

File: HSYPschoolreg

### Overview

Type: Discrete	Valid cases: 209
Format: numeric	Invalid: 0
Width: 8	
Decimals: 0	
Range: 0-1	

## Grade 8 screened (grade8screened)

File: HSYPschoolreg

### Overview

## Grade 8 screened (grade8screened)

File: HSYPschoolreg

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

Valid cases: 208  
Invalid: 1

## Grade 10 screened (grade10screened)

File: HSYPschoolreg

### Overview

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

Valid cases: 209  
Invalid: 0

## Underweight (underweight)

File: HSYPschoolreg

### Overview

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

Valid cases: 208  
Invalid: 1

## Overweight (overweight)

File: HSYPschoolreg

### Overview

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

Valid cases: 208  
Invalid: 1

## Oral health (oralhealth)

File: HSYPschoolreg

### Overview

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

Valid cases: 208  
Invalid: 1

## Eye health (eyehealth)

File: HSYPschoolreg

### Overview

## Eye health (eyehealth)

File: HSYPschoolreg

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

Valid cases: 209  
Invalid: 0

## Hearing (hearing)

File: HSYPschoolreg

### Overview

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

Valid cases: 206  
Invalid: 3

## Speech (speech)

File: HSYPschoolreg

### Overview

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

Valid cases: 208  
Invalid: 1

## Suspected TB (suspectedtb)

File: HSYPschoolreg

### Overview

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

Valid cases: 208  
Invalid: 1

## Psycho-social (psychosocial)

File: HSYPschoolreg

### Overview

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

Valid cases: 207  
Invalid: 2

## Immunised total (immunisedtotal)

File: HSYPschoolreg

### Overview

## Immunised total (immunisedtotal)

File: HSYPschoolreg

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

Valid cases: 208  
Invalid: 1

## 12yr Td given (twelveyrtdgiven)

File: HSYPschoolreg

### Overview

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

Valid cases: 207  
Invalid: 2

## Minor ailment (minorailment)

File: HSYPschoolreg

### Overview

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

Valid cases: 209  
Invalid: 0

## De-worming dose (dewormingdose)

File: HSYPschoolreg

### Overview

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

Valid cases: 206  
Invalid: 3

## Follow-up (followup)

File: HSYPschoolreg

### Overview

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

Valid cases: 208  
Invalid: 1

## Other referrals (otherreferrals)

File: HSYPschoolreg

### Overview

## Other referrals (otherreferrals)

File: HSYPschoolreg

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

Valid cases: 206  
Invalid: 3

## Treatment given (choice=Advice given) (treatmentgiven\_\_1)

File: HSYPschoolreg

### Overview

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

Valid cases: 209  
Invalid: 0

## Treatment given (choice=Refer for dental caries) (treatmentgiven\_\_2)

File: HSYPschoolreg

### Overview

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

Valid cases: 209  
Invalid: 0

## Treatment given (choice=No abnormalities detected (NAD)) (treatmentgiven\_\_3)

File: HSYPschoolreg

### Overview

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

Valid cases: 209  
Invalid: 0

## Treatment given (choice=Refer for poor eye sight) (treatmentgiven\_\_4)

File: HSYPschoolreg

### Overview

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

Valid cases: 209  
Invalid: 0

## Treatment given (choice=Deworming) (treatmentgiven\_\_5)

File: HSYPschoolreg

### Overview

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

Valid cases: 209  
Invalid: 0

## Treatment given (choice=PVD) (treatmentgiven\_\_6)

File: HSYPschoolreg

### Overview

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

Valid cases: 209  
Invalid: 0

## Treatment given (choice=Refer to clinic for check-up) (treatmentgiven\_\_7)

File: HSYPschoolreg

### Overview

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

Valid cases: 209  
Invalid: 0

## Treatment given (choice=Wasted/low weight- refer to clinic) (treatmentgiven\_\_8)

File: HSYPschoolreg

### Overview

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

Valid cases: 209  
Invalid: 0

## Treatment given (choice=Wax on ear) (treatmentgiven\_\_9)

File: HSYPschoolreg

### Overview

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=Whitespots/acne/pimples) (treatmentgiven\_\_10)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=Td given) (treatmentgiven\_\_11)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=Refer to Social Worker) (treatmentgiven\_\_12)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=Refer for cardiac problem) (treatmentgiven\_\_13)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=Refer for trauma and injuries) (treatmentgiven\_\_14)**

File: HSYPschoolreg

### **Overview**

## **Treatment given (choice=Refer for trauma and injuries) (treatmentgiven\_\_14)**

File: HSYPschoolreg

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=Refer for urinary problem) (treatmentgiven\_\_15)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=Wound care) (treatmentgiven\_\_16)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=Symptomatic Treatment) (treatmentgiven\_\_17)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=Respiratory problems and Oral problems) (treatmentgiven\_\_18)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=General non-specific complaints) (treatmentgiven\_\_19)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=Ear problems) (treatmentgiven\_\_20)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=Anaemia) (treatmentgiven\_\_21)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=Referral to high level) (treatmentgiven\_\_22)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=Gastric problems) (treatmentgiven\_\_23)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=Abscess) (treatmentgiven\_\_24)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=GI problems) (treatmentgiven\_\_25)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=Positive pregnancy test) (treatmentgiven\_\_26)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=Refused refer) (treatmentgiven\_\_27)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0

## **Treatment given (choice=Info and psychological support (including reassurance)) (treatmentgiven\_\_28)**

File: HSYPschoolreg

### **Overview**

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

Valid cases: 209  
Invalid: 0



## Record ID (record\_id)

File: HSYPTickregister

### Overview

Type: Continuous	Valid cases: 115
Format: numeric	Invalid: 0
Width: 8	Minimum: 1
Decimals: 0	Maximum: 115
Range: 1-115	Mean: 58
	Standard deviation: 33.3

## Health facility code (healthfacility)

File: HSYPTickregister

### Overview

Type: Discrete	Valid cases: 115
Format: numeric	Invalid: 0
Width: 9	
Decimals: 0	
Range: 1-3	

## 4. Month register was done (monthregisterwasdone)

File: HSYPTickregister

### Overview

Type: Discrete	Valid cases: 115
Format: numeric	Invalid: 0
Width: 14	
Decimals: 0	
Range: 1-12	

## 5. Register number (registerno)

File: HSYPTickregister

### Overview

Type: Continuous	Valid cases: 115
Format: numeric	Invalid: 0
Width: 8	Minimum: 1007
Decimals: 0	Maximum: 3685
Range: 1007-3685	Mean: 1578.9
	Standard deviation: 764.4

## 6. Page number (pagenumber)

File: HSYPTickregister

### Overview

Type: Continuous	Valid cases: 115
Format: numeric	Invalid: 0
Width: 8	Minimum: 22
Decimals: 0	Maximum: 286
Range: 22-286	Mean: 78.1
	Standard deviation: 56

## 7. Date of data extraction (dateofdataextraction)

File: HSYPTickregister

### Overview

Type: Discrete	Valid cases: 115
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

## 8. Family planning acceptor under 18 years (familyplanningacceptor)

File: HSYPTickregister

### Overview

Type: Discrete	Valid cases: 115
Format: numeric	Invalid: 0
Width: 8	
Decimals: 0	
Range: 0-1	

## 9. Diabetes client under 18 years new (diabetesclientunder18yearsnew)

File: HSYPTickregister

### Overview

Type: Discrete	Valid cases: 114
Format: numeric	Invalid: 1
Width: 8	
Decimals: 0	
Range: 0-1	

## 10. Mental health clients under 18 years (mentalhealthclientbelow18yrs)

File: HSYPTickregister

### Overview

Type: Discrete	Valid cases: 115
Format: numeric	Invalid: 0
Width: 8	
Decimals: 0	
Range: 0-1	

## 11. Td dose at 12 years (tddoseat12yrs)

File: HSYPTickregister

### Overview

Type: Discrete	Valid cases: 115
Format: numeric	Invalid: 0
Width: 8	
Decimals: 0	
Range: 0-1	

## 12. ANC 1st visit under 18 years (anc1stvisitunder18years)

File: HSYPTickregister

### Overview

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

Valid cases: 114  
Invalid: 1

## 13. PHC clients seen by professional Nurse (phcclientseennurse)

File: HSYPTickregister

### Overview

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

Valid cases: 115  
Invalid: 0

## 63. Are the data consistent ? (dataconsistent)

File: HSYPTickregister

### Overview

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

Valid cases: 115  
Invalid: 0

## Please explain the inconsistency in the data (inconsistencyinthedata)

File: HSYPTickregister

### Overview

Type: Discrete  
Format: character  
Width: 141

Valid cases: 5

# Documentation

## Technical documents

### Documentation:HSYP

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Title Documentation:HSYP  
Author(s) Sweetness H Dube  
Date 09/04/2019  
Country South Africa  
Language English  
Filename DataDocument\_HSYP\_26feb19\_dg\_AD.pdf

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### DDI:AHRI.HSYP.Data

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Title DDI:AHRI.HSYP.Data  
Author(s) Sweetness H Dube  
Date 09/04/2019  
Country South Africa  
Language English  
Filename AHRI.HSYP.Data.pdf

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