

Data Documentation Template

1 Study Description

1.1 Identification

1.1.1 Title

Contains the full authoritative title of the data collection. A full title should indicate the geographic scope of the data collection as well as the time period covered.

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

1.2 Overview

1.2.1 Abstract

An unformatted summary describing the purpose, nature, and scope of the data collection, special characteristics of its contents, major subject areas covered, and what questions the PIs attempted to answer when they conducted the study. A listing of major variables in the study is important here.

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.

1.2.2 Kind of Data

The type of data included in the file: survey data, census/enumeration data, aggregate data, clinical data, event/transaction data, program source code, machine-readable text, administrative records data, experimental data, psychological test, textual data, coded textual, coded documents, time budget diaries, observation data/ratings, process-produced data, etc. No description just a single phrase, e.g. Genetic sequences

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

1.2.3 Unit of Analysis

Basic unit(s) of analysis or observation that the study describes: For PANGEA is each record a sequence from a specimen, or are there multiple records for a single specimen or study participant

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

1.3 Scope

1.3.1 Topics Classification

MeSH subject headings

Adolescent

Adolescent Behavior

Primary Health Care/statistics & numerical data

Qualitative Research

Quality of Health Care

Reproductive Health Services

Humans

South Africa

1.3.2 Keywords

Keywords summarize the content or subject matter of the survey. As topic classifications, these are used to facilitate referencing and searches in electronic survey catalogues.

South Africa; Adolescent; Health Services; Young Adult;

1.4 Coverage

1.4.1 Country

Indicates the country or countries covered in the file

South Africa

1.4.2 Geographic Coverage

Information on the geographic coverage of the data. Include the total geographic scope of the data, and any additional levels of geographic coding provided in the variables.

Population Intervention Programme -Study Area of the Africa Health Research Institute.

1.4.3 Universe

A description of the population covered by the data in the file; the group of persons or other elements that are the object of the study and to which the study results refer. Age, nationality, and residence commonly help to delineate a given universe, but any of a number of factors may be involved, such as age limits, sex, marital status, race, ethnic group, etc. The universe may consist of elements other than persons, such as specimen, sample or isolate. In general, it should be possible to tell from the description of the universe whether a given individual or element (hypothetical or real) is a member of the population under study. Also known as universe of interest, population of interest, and target population.

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

1.5 Producers and Sponsors

1.5.1 Investigators

The person, corporate body, or agency responsible for the data collection's substantive and intellectual content. Repeat the element for each author and use the affiliation attribute if available. Invert first and last name and use commas.

Remarks: The author in this element should be the individual(s) or organization(s) directly responsible for the intellectual content of the data collection.

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

1.5.2 Funding

The source(s) of funds for production of the data collection. If different funding agencies sponsored different stages of the production process, use the role attribute to distinguish them. Also includes a field for the grant/contract number of the project that sponsored the data collection effort.

Agency	Abbreviation	Grant number	Role
ViiV Healthcare	ViiV	ITCRZF51	

1.5.3 Acknowledgements

Statements of responsibility not recorded in the title and statement of responsibility areas. Indicate here the persons or bodies connected with the work, or significant persons or bodies connected with previous editions and not already named in the description. For example, the name of the person who cleaned the data collection might be cited here, using the role and affiliation attributes. Does not include funders.

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

1.6 Sampling

1.6.1 Sampling Procedure

The type of sample and sample design used to select the survey respondents to represent the population. May include reference to the target sample size and the sampling fraction

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

1.7 Data Collection

1.7.1 Dates of Collection

Contains the date(s) when the data were collected/produced.

Between January and June 2017.

1.7.2 Notes on Data Collection/Production

Used to describe noteworthy aspects of the data collection/production.

Not applicable.

1.8 Data Processing

1.8.1 Other Processing

Used to indicate additional information about the methodology and processing involved in the production of the dataset.

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

1.9 Data Access

We will add these bits

1.10 Contacts

1.10.1 Contact persons

Individuals listed as contact persons will be used as resource persons regarding problems or questions raised by the user community. The URI attribute should be used to indicate a URN or URL for the homepage of the contact individual. The email attribute is used to indicate an email address for the contact individual.

Name	Affiliation	Email	URI
Doyle, Aoife	London School of Hygiene & Tropical Medicine	aoife.doyle@lshtm.ac.uk	www.lshtm.ac.uk

2 File Description

2.1 Data Files

2.1.1 Contents

Abstract or description of the file. A summary describing the purpose, nature, and scope of the data file, special characteristics of its contents, major subject areas covered, and what questions the PIs attempted to answer when they created the file. No need to repeat information already contained in the abstract in paragraph 1.2.1.

See section 1.2.1

[Data file 1: HSYPPinkregister.dta](#)

[4121 observations, 29 variables](#)

[Original data source: PinkRegister DATA NPHDRS 2017-07-03 1212.csv](#)

Name	Definition	Data Type and Codes
Recorded	Record ID	
Age	Age	
Nameofclinic	Name of clinic	
Locationofmob~c	Where was mobile clinic located?	
Nameofnursedoc~r	Name of nurse/doctor	
Dateofcapturing	Date of capturing	
Datetimestamp	Datestamp	
Clinicvisitda~t	Clinic visti date by patient	
Staffideofcapt~r	Staff ID of capturer	

Specifystaffi~r	Specify staff id of capturer	
Provisionaldi~s	Provisional diagnosis 1	
Provisionaldi~2	Provisional diagnosis 2	
Provisionaldi~3	Provisional diagnosis 3	
Otherprovisio~s	Other provisional diagnosis	
Otherprovisio~2	Other provisional diagnosis 2	
Otherprovisio~3	Other provisional diagnosis 3	
Treatment	Treatment/management 1	
Treatment 2	Treatment/management 2	
Treatment 3	Treatment/management 3	
Othertreatment	Other treatment/management 1	
Othertreatment 2	Other treatment/management 2	
Othertreatment 3	Other treatment/management 3	
Followupvisit	Follow-up visit	
gender	Gender	
Pink_register~e	Pink register complete?	
Datecapture	Date and time of capture	
Datec	Date of capture	
agegp	Age group	

[Data file 2: HSYPTickregister.dta](#)

[115 observations; 14 variables](#)

[Original source file: TickRegister DATA NOHDRS 2017-07-07 1039.csv](#)

Name	Definition	Data Type and Codes
Recorded	Record ID	
Healthfacility	Health facility code	
monthregisterwasdone	Month and year of register entry	
registerno	Register book number	
pagenumber	Page number in register book	
dateofdataextraction	Date of data extraction	
familyplanningacceptor	Family planning acceptor under 18 years	
diabetesclientunder18yearsnew	Diabetes client under 18 years new	
mentalhealthclientbelow18yrs	Mental health clients under 18 years	
tddoseat12yrs	TD dose at 12 years	
anc1stvisitunder18years	ANC 1st visit under 18 years	
phcclientseennurse	PHC clients seen by professional nurse	
dataconsistent	Are the data consistent? Study nurses' judgement as to whether the data within the record are consistent.	
inconsistencyinthedata	Please explain the inconsistency in the data	

[Data file 3: HSYPschoolreg.dta](#)

[209 observations; 49 variables](#)

Original source file: SchoolHealthRegister DATA NOHDRS 2017-07-07 1039.csv

<u>Name</u>	<u>Definition</u>	<u>Data Type and Codes</u>
Recordid	Record ID	
schoolcode	School code	
dateextracted	Date extracted	
dateofregister	Date of register	
gender	Gender of student	
Grade8screened	Grade 8 screened	Yes/no
Grade10screened	Grade 10 screened	Yes/no
Underweight	Underweight	Yes/no
Overweight	Overweight	Yes/no
Oralhealth	Oral Health	Yes/no
Eyehealth	Eye health	Yes/no
Hearing	Hearing	Yes/no
Speech	Speech	Yes/no
Suspectedtb	Suspected TB	Yes/no
Psychosocial	Psycho-social	Yes/no
Immunisedtotal	Immunised total	Yes/no
Twelveyrtgiven	12yr Td given	Yes/no
Minorailment	Minor ailment	Yes/no
Dewormingdose	De-worming dose	Yes/no
Followup	Follow-up	Yes/no
Otherreferrals	Other referrals	Yes/no
treatmentgiven_1	Advice given	Checked/unchecked
treatmentgiven_2	Refer for dental caries	Checked/unchecked
treatmentgiven_3	No abnormalities detected (NAD)	Checked/unchecked
treatmentgiven_4	Refer for poor eye sight	Checked/unchecked
treatmentgiven_5	Deworming	Checked/unchecked
treatmentgiven_6	PVD	Checked/unchecked
treatmentgiven_7	Refer to clinic for check-up	Checked/unchecked
treatmentgiven_8	Wasted/low weight- refer to clinic	Checked/unchecked
treatmentgiven_9	Wax on ear	Checked/unchecked
treatmentgiven_10	Whitespots/acne/pimples	Checked/unchecked
treatmentgiven_11	Td given	Checked/unchecked
treatmentgiven_12	Refer to social worker	Checked/unchecked
treatmentgiven_13	Refer for cardiac problem	Checked/unchecked
treatmentgiven_14	Refer for trauma and injuries	Checked/unchecked
treatmentgiven_15	Refer for urinary problem	Checked/unchecked
treatmentgiven_16	Wound care	Checked/unchecked
treatmentgiven_17	Symptomatic treatment	Checked/unchecked
treatmentgiven_18	Respiratory problems and oral problems	Checked/unchecked
treatmentgiven_19	General non-specific complaints	Checked/unchecked
treatmentgiven_20	Ear problems	Checked/unchecked
treatmentgiven_21	Anaemia	Checked/unchecked
treatmentgiven_22	Referral to high level	Checked/unchecked
treatmentgiven_23	Gastric problems	Checked/unchecked
treatmentgiven_24	Abscess	Checked/unchecked
treatmentgiven_25	GI problems	Checked/unchecked

treatmentgiven 26	Positive pregnancy test	Checked/unchecked
treatmentgiven 27	Refused refer	Checked/unchecked
treatmentgiven 28	Info and psychological support (including reassurance)	Checked/unchecked

[Data file 4: DHIS_Hlabisa_short2.dta](#)

[85 observations; 3 variables](#)

[Original source file: DHIS Data extract 13 February 2018 AD.xls](#)

Name	Definition	Data Type and Codes
DataElementName	Data Element Name	<ul style="list-style-type: none"> • Antenatal 1st visit under 18 years • Diabetes client under 18 years new • FP acceptor under 18 years • Mental health client under 18 years • Td dose at 12 years
PHC	PHC ID number	Clinic 1 has PHC ID 18 Clinic 2 has PHC ID 15 Clinic 3 has PHC ID 3
MaySep16	Total Number for months May-Sep 2016	

[Data file 5: ClinicLinkAYP.dta](#)

[Observations 37,694; 31 variables](#)

Name	Definition	Data Type and Codes
IdNo	Participant Identification (sequential)	
FacilityServiceName	Reason for visit	
FacilityNameCode	Health facility code	
novisits	Number of visits/client	
novisit_gp	Number of visits/client (grouped)	
Agegroup	Age group of client	
Mthvisit	Month of visit	
Yrvisit	Year of visit	
Uniquevis	Unique client visit	
uniqueID	Unique client	

3 Variable Description

A code book of the variables in the data file.