South Africa - Birth weight and human capital in South Africa, 2012-2014

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Overview

Identification

ID NUMBER
AHRI.Siyakhula.Cohort.Study.And.Vertical.Transmission.Study.Datasets

Version

VERSION DESCRIPTION
V1.0.0

Overview

ABSTRACT
The Siyakhula cohort study and Vertical Transmission Study provide measures of birth weight and perinatal factors and measures of cognition and education outcomes for children aged 10-11 years in 2012-2014 in rural South Africa.

KIND OF DATA
Survey Data

UNITS OF ANALYSIS
Individual

TOPICS

Topic	Vocabulary	URI
Birth Weight; Cognition	Africa Health Research Institute	www.ahri.org

KEYWORDS
Birth weight; cognition; human capital; rural; South Africa

Coverage

GEOGRAPHIC COVERAGE
South Africa

UNIVERSE
Children ages 10-11 years in 2012-2014

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Rochat, Tamsen	University of the Witwatersrand
Bland, Ruth	University of Glasgow
Houle, Brian	The Australian National University

OTHER PRODUCER(S)

Name	Affiliation	Role
Africa Health Research Institute		

FUNDING

Name	Abbreviation	Role
Grand Challenges Canada	Grand Challenges	Sponsor
Wellcome Trust	Wellcome Trust	Sponsor

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Africa Health Research Institute	AHRI		

DDI DOCUMENT ID
DDI.AHRI.Siyakhula.Cohort.Study.And.Vertical.Transmission.Study.Datasets

Sampling

Sampling Procedure

Nonrandomised, prospective, intervention cohort study with re-enrollment of HIV-negative children

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
2001-01-01	2006-12-04	N/A
2012-01-01	2014-12-04	N/A

Data Processing

No content available

Data Appraisal

No content available

File Description

Variable List

birthweight-human-capital-01

	Content
Cases	460
Variable(s)	17
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V354	child_id	Child identifier	contin	numeric	
V355	child_age	Child age	discrete	numeric	
V356	child_male	Child is male	discrete	numeric	
V357	child_twin	Is child a twin?	discrete	numeric	
V358	child_twin_in_data	Is twin in data set?	discrete	numeric	
V359	child_birthweight_kg	Child birthweight in kg	contin	numeric	
V360	gestational_age_weeks	Gestational age in weeks	contin	numeric	
V361	mother_age_birth	Mother's age at birth	contin	numeric	
V362	mother_edu_birth	Mother's education status at birth	discrete	numeric	
V363	mother_hiv_birth	Mother's HIV status at birth	discrete	numeric	
V364	exclusive_breastfeeding_months	Months exclusive breastfeeding	discrete	numeric	
V365	ses_fridge_birth	Household had fridge at birth	discrete	numeric	
V366	ses_mother_main_income_birth	Mother main income provider at birth	discrete	numeric	
V367	child_creche	Did child attend creche?	discrete	numeric	
V368	child_in_school	Is child currently in school?	discrete	numeric	
V369	current_school_grade	Child's current school grade	discrete	numeric	
V370	child_cognition	Sum of scaled score MPI	contin	numeric	

Child identifier (child_id)
File: birthweight-human-capital-01

Overview	
Type: Continuous	Valid cases: 460
Format: numeric	Invalid: 0
Width: 9	Minimum: 24
Decimals: 0	Maximum: 2074
Range: 24-2074	Mean: 1023.8
	Standard deviation: 718.1

Child age (child_age)
File: birthweight-human-capital-01

Overview	
Type: Discrete	Valid cases: 459
Format: numeric	Invalid: 1
Width: 9	
Decimals: 0	
Range: 10-11	

Child is male (child_male)
File: birthweight-human-capital-01

Overview	
Type: Discrete	Valid cases: 460
Format: numeric	Invalid: 0
Width: 9	
Decimals: 0	
Range: 0-1	

Is child a twin? (child_twin)
File: birthweight-human-capital-01

Overview	
Type: Discrete	Valid cases: 460
Format: numeric	Invalid: 0
Width: 9	
Decimals: 0	
Range: 0-1	

Is twin in data set? (child_twin_in_data)
File: birthweight-human-capital-01

Overview	
Type: Discrete	Valid cases: 22
Format: numeric	Invalid: 438
Width: 9	
Decimals: 0	
Range: 0-1	

Child birthweight in kg (child_birthweight_kg)
File: birthweight-human-capital-01

Overview	
Type: Continuous	Valid cases: 437
Format: numeric	Invalid: 23
Width: 9	Minimum: 0.8
Decimals: 0	Maximum: 4.6
Range: 0.800000011920929-4.59999990463257	Mean: 3.1
	Standard deviation: 0.5

Gestational age in weeks (gestational_age_weeks)
File: birthweight-human-capital-01

Overview	
Type: Continuous	Valid cases: 459
Format: numeric	Invalid: 1
Width: 9	Minimum: 8
Decimals: 0	Maximum: 40
Range: 8-40	Mean: 26.2
	Standard deviation: 6.4

Mother's age at birth (mother_age_birth)
File: birthweight-human-capital-01

Overview	
Type: Continuous	Valid cases: 460
Format: numeric	Invalid: 0
Width: 9	Minimum: 16
Decimals: 0	Maximum: 54
Range: 16-54	Mean: 26.1
	Standard deviation: 7

Mother's education status at birth (mother_edu_birth)
File: birthweight-human-capital-01

Overview	
Type: Discrete	Valid cases: 460
Format: numeric	Invalid: 0
Width: 37	
Decimals: 0	
Range: 0-3	

Mother's HIV status at birth (mother_hiv_birth)
File: birthweight-human-capital-01

Overview	
Type: Discrete	Valid cases: 460
Format: numeric	Invalid: 0
Width: 9	
Decimals: 0	
Range: 0-1	

Months exclusive breastfeeding (exclusive_breastfeeding_months)
File: birthweight-human-capital-01

Overview

Type: Discrete
Format: numeric
Width: 9
Decimals: 0
Range: 0-2

Valid cases: 459
Invalid: 1

Household had fridge at birth (ses_fridge_birth)
File: birthweight-human-capital-01

Overview

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

Valid cases: 459
Invalid: 1

Mother main income provider at birth (ses_mother_main_income_birth)
File: birthweight-human-capital-01

Overview

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

Valid cases: 459
Invalid: 1

Did child attend creche? (child_creche)
File: birthweight-human-capital-01

Overview

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

Valid cases: 460
Invalid: 0

Is child currently in school? (child_in_school)
File: birthweight-human-capital-01

Overview

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

Valid cases: 459
Invalid: 1

Child's current school grade (current_school_grade)
File: birthweight-human-capital-01

Overview

Type: Discrete
Format: numeric
Width: 9
Decimals: 0
Range: 1-6

Valid cases: 452
Invalid: 8

Sum of scaled score MPI (child_cognition)
File: birthweight-human-capital-01

Overview

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 20-105

Valid cases: 459
Invalid: 1
Minimum: 20
Maximum: 105
Mean: 51.2
Standard deviation: 11.9

Documentation

Technical documents

DDI:Siyakhula.Cohort.Study.And.Vertical.Transmission.Study

Title	DDI:Siyakhula.Cohort.Study.And.Vertical.Transmission.Study
Author(s)	Sweetness H Dube
Date	23/02/2022
Country	South Africa
Language	English
Filename	AHRI.Siyakhula.Cohort.Study.And.Vertical.Transmission.Study.Datasets.pdf