

# South Africa - Analytic dataset for violence and conduct in the Siyakhula Cohort, 2012-2014

**Nompumelelo Mkwazi**

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## Identification

### SURVEY ID NUMBER

AHRI.sb-violence-01

### TITLE

Analytic dataset for violence and conduct in the Siyakhula Cohort, 2012-2014

### COUNTRY

Name	Country code
South Africa	ZA

### 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. The full cohort profile can be found here: Rochat, T. J., Houle, B., Stein, A., Pearson, R. M., Newell, M. L., & Bland, R. M. (2017). Cohort profile: the Siyakhula cohort, rural South Africa. *International journal of epidemiology*, 46(6), 1755-1756n. The present analytic dataset was produced for the purposes of a specific publication, focussed on violence.

### KIND OF DATA

Survey Data

### UNIT OF ANALYSIS

Individual

## Version

### VERSION DESCRIPTION

V2.0.0

## Scope

### TOPICS

Topic	Vocabulary	URI
Child education, Maternal mental health,HIV,Food security,Parental discipline strategies,Child behaviour	Africa Health Research Institute	www.ahri.org

### KEYWORDS

Keyword	Vocabulary	URI
Conduct disorder, violence, child behaviour, maternal mental healthConduct disorder, violence, child behaviour, maternal mental health	Africa Health Research Institute	www.ahri.org

## Coverage

### GEOGRAPHIC COVERAGE

AHRI's AHRI's Population Intervention Programme Study Area (PIPSA) situated in uMkhanyakude district KwaZulu-Natal province which is approximately 200km north of Durban. The area is approximately 845km<sup>2</sup> in size.

### UNIVERSE

The cohort is comprised of children in the PIPSA who were aged 10-11 years in 2012-2014.

## Producers and sponsors

### PRIMARY INVESTIGATORS

Name	Affiliation
Rochat, Tamsen	University of the Witwatersrand, Manchester Metropolitan University
Bland, Ruth	University of Glasgow
Houle, Brian	The Australian National University
Xanthe Hunt	AHRI

### PRODUCERS

Name	Abbreviation
Africa Health Research Institute	AHRI

### FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
Grand Challenges Canada	GCC	Sponsor and Funder
Wellcome Trust	WT	Sponsor and Funder

## Sampling

### SAMPLING PROCEDURE

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

## Data collection

### DATES OF DATA COLLECTION

Start	End
2001-01-01	2006-12-04
2012-01-01	2014-12-04

## Access policy

### ACCESS CONDITIONS

Access to the data requires accurate completion of the online data access application form accessible on the AHRI Data repository (<<https://data.ahri.org/>>). Data users are required to abide by the data use conditions stipulated on the application for access to the data. Failure to do so may result in their data access privileges revoked by the Data Custodian. In order to recognise the effort and intellectual contributions of AHRI investigators in producing and curating the data, users of AHRI data must acknowledge the source of the data and abide by the terms and conditions under which the data is accessed. All analytical datasets published on the AHRI Data Repository are assigned digital object identifier (DOIs) and the DOIs can be found on the Data Repository under Study Description tab - Access policy. AHRI data users are required to always cite the dataset using the DOI.

Additional checks are in place for this dataset, due to the sensitive nature of some of the outcomes. All applications to use the data will be routed to a member of the custodian team, who will evaluate applications.

### CITATION REQUIREMENTS

Rochat, T., Bland, R., Houle, B., & Xanthe, H. (2025). Analytic dataset for violence and conduct in the Siyakhula Cohort,

2012-2014 [Data set]. Africa Health Research Institute. DOI:<https://doi.org/10.23664/AHRI.SB-VIOLENCE-01>

## Metadata production

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DDI DOCUMENT ID

DDI.AHRI.sb-violence-01

PRODUCERS

Name	Abbreviation
Africa Health Research Institute	AHRI

**Data Dictionary**

<b>Data file</b>	<b>Cases</b>	<b>Variables</b>
<b>sb-violence-01</b>	1526	27



**Data file: sb-violence-01**

Cases: 1526

Variables: 27

**Variables**

ID	Name	Label	Question
V1	ssbstudyid	SSB StudyId	
V2	mumacdisorvts_id	ACDIS_DSID or VTS Study Number of the mother	
V3	hhadults_res	Number of resident adults	
V4	hhkids_res	Number of resident children	
V5	male	Male child indicator	
V6	in_vts	VTS intervention exposure	
V7	repeatedgrade	Repeated grade indicator	
V8	cagecat	Child age indicator	
V9	mum_pcg	Primary caregiver	
V10	anxiety	Clinical anxiety	
V11	depression	Depression clinical	
V12	hiv_exposure	Child's HIV exposure	
V13	crime	Crime exposure	
V14	childgrant	Child support grant indicator	
V15	foodinsecurity	Food insecurity indicator	
V16	mumrelationship	Mother's relationship status	
V17	pcg_employed	Caregiver employed indicator	
V18	pcg_edu	Caregiver education	
V19	pcg_age	Caregiver age	
V20	psipdsyscale_90	Parental distress indicator	
V21	psipcdysyscale_90	Relationship dysfunction indicator	
V22	psidcsyscale_90	Difficult child indicator	
V23	mumsmack	Mother smacks child indicator	
V24	physdiscipline	Reports physical discipline indicator	
V25	ebf	Exclusive breastfeeding indicator	
V26	violent_antisocial	Violent and antisocial indicator	
V27	dadinvolved	Father figure involved indicator	

Total: 27



**SSBSTUDYID: SSB StudyId****Data file: sb-violence-01****Overview**

Valid: 1526 Invalid: 0 Minimum: 14 Maximum: 2074 Mean: 1061.322 Standard deviation: 600.259  
 Type: Continuous Decimal: 0 Width: 12 Range: 14 - 2074 Format: Numeric

**ANXIETY: Clinical anxiety****Data file: sb-violence-01****Overview**

Valid: 1526 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	1476	96.7%
1	Yes	50	3.3%

**MUMACDISORVTS\_ID: ACDIS\_DSID or VTS Study Number of the mother****Data file: sb-violence-01****Overview**

Valid: 1526 Invalid: 0  
 Type: Discrete Width: 6 Range: - Format: character

**HHADULTS\_RES: Number of resident adults****Data file: sb-violence-01****Overview**

Valid: 1523 Invalid: 3  
 Type: Discrete Decimal: 0 Width: 10 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	0-3	921	60.5%
2	4+	602	39.5%
Sysmiss		3	

**HHKIDS\_RES: Number of resident children****Data file: sb-violence-01****Overview**

Valid: 1524 Invalid: 2  
 Type: Discrete Decimal: 0 Width: 10 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	0-3	576	37.8%
2	4+	948	62.2%
Sysmiss		2	

**MALE: Male child indicator****Data file: sb-violence-01****Overview**

Valid: 1526 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 10 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	866	56.7%
1	Yes	660	43.3%

**IN\_VTS: VTS intervention exposure****Data file: sb-violence-01****Overview**

Valid: 1526 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 10 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
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0	No	627	41.1%
1	Yes	899	58.9%

## REPEATEDGRADE: Repeated grade indicator

Data file: sb-violence-01

### Overview

Valid: 1526 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 10 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	907	59.4%
1	Yes	619	40.6%

## CAGECAT: Child age indicator

Data file: sb-violence-01

### Overview

Valid: 1526 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 10 Range: 7 - 11 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
7		59	3.9%
8		182	11.9%
9		596	39.1%
10		562	36.8%
11	11	127	8.3%

## MUM\_PCG: Primary caregiver

Data file: sb-violence-01

### Overview

Valid: 1526 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 10 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	Other	240	15.7%
1	Mother	1286	84.3%

## DEPRESSION: Depression clinical

Data file: sb-violence-01

### Overview

Valid: 1526 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	1439	94.3%
1	Yes	87	5.7%

## HIV\_EXPOSURE: Child's HIV exposure

Data file: sb-violence-01

### Overview

Valid: 1524 Invalid: 2  
 Type: Discrete Decimal: 0 Width: 25 Range: 0 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	Unexposed	774	50.8%
1	Exposed	472	31%
2	Affected	278	18.2%
Sysmiss		2	

## CRIME: Crime exposure

Data file: sb-violence-01

## Overview

Valid: 1526 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	1340	87.8%
1	Yes	186	12.2%

## CHILDGRANT: Child support grant indicator

Data file: sb-violence-01

### Overview

Valid: 1522 Invalid: 4  
 Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	87	5.7%
1	Yes	1435	94.3%
Sysmiss		4	

## FOODINSECURITY: Food insecurity indicator

Data file: sb-violence-01

### Overview

Valid: 1513 Invalid: 13  
 Type: Discrete Decimal: 0 Width: 27 Range: 0 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	775	51.2%
1	At least once in last 4 wks	738	48.8%
2	At least once/wk for 4 wks	0	0%
Sysmiss		13	

**MUMRELATIONSHIP: Mother's relationship status****Data file: sb-violence-01****Overview**

Valid: 1507 Invalid: 19  
 Type: Discrete Decimal: 0 Width: 15 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Single	246	16.3%
2	With bio father	687	45.6%
3	New partner	574	38.1%
Sysmiss		19	

**PCG\_EMPLOYED: Caregiver employed indicator****Data file: sb-violence-01****Overview**

Valid: 1524 Invalid: 2  
 Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	1124	73.8%
1	Yes	400	26.2%
Sysmiss		2	

**PCG\_EDU: Caregiver education****Data file: sb-violence-01****Overview**

Valid: 1505 Invalid: 21  
 Type: Discrete Decimal: 0 Width: 18 Range: 0 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	None	92	6.1%
1	Primary	530	35.2%
2	Secondary	517	34.4%
3	Matriculation/post	366	24.3%
Sysmiss		21	

### PCG\_AGE: Caregiver age

Data file: sb-violence-01

#### Overview

Valid: 1503 Invalid: 23

Type: Discrete Decimal: 0 Width: 10 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	30 or less	359	23.9%
2	31-40	586	39%
3	41+	558	37.1%
Sysmiss		23	

### PSIPDSUBSCALE\_90: Parental distress indicator

Data file: sb-violence-01

#### Overview

Valid: 1526 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	No	1403	91.9%
1	Yes	123	8.1%

**PSIPCDISUBSCALE\_90: Relationship dysfunction indicator****Data file: sb-violence-01****Overview**

Valid: 1526 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	1377	90.2%
1	Yes	149	9.8%

**PSIDCSUBSCALE\_90: Difficult child indicator****Data file: sb-violence-01****Overview**

Valid: 1526 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	No	1393	91.3%
1	Yes	133	8.7%

**MUMSMACK: Mother smacks child indicator****Data file: sb-violence-01****Overview**

Valid: 1523 Invalid: 3  
 Type: Discrete Decimal: 0 Width: 18 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	<=1 smack per week	633	41.6%

1	>1 smack per week	890	58.4%
Sysmiss		3	

## PHYSDISCIPLINE: Reports physical discipline indicator

Data file: sb-violence-01

### Overview

Valid: 1520 Invalid: 6  
Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	1025	67.4%
1	Yes	495	32.6%
Sysmiss		6	

## EBF: Exclusive breastfeeding indicator

Data file: sb-violence-01

### Overview

Valid: 1526 Invalid: 0  
Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	<6 months	276	18.1%
1	6+ months	1250	81.9%

## VIOLENT\_ANTISOCIAL: Violent and antisocial indicator

Data file: sb-violence-01

### Overview

Valid: 1526 Invalid: 0  
Type: Discrete Decimal: 0 Width: 22 Range: 0 - 2 Format: Numeric

## Questions and instructions

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### CATEGORIES

Value	Category	Cases	
0	None	1212	79.4%
1	Violent	174	11.4%
2	Violent and antisocial	140	9.2%

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### **DADINVOLVED: Father figure involved indicator**

Data file: sb-violence-01

#### Overview

Valid: 1522 Invalid: 4

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

## Questions and instructions

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### CATEGORIES

Value	Category	Cases	
0	No	958	62.9%
1	Yes	564	37.1%
Sysmiss		4	

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## Download related resources

### Technical documents

#### DDI:Siyakhula Cohort

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Title	DDI:Siyakhula Cohort
Author(s)	Nompumelelo Mkwanazi
Date	07-05-2025
Country	South Africa
Language	English
Publisher(s)	Nompumelelo Mkwanazi
Filename	Siyakhula Cohort Study.pdf

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