

# South Africa - The influence of place on HIV risk among young South African women

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## Overview

### Identification

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ID NUMBER  
AHPU.ZA011.HIVRISK.2011

### Overview

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#### ABSTRACT

The proposed study is designed to explore the characteristics of place that may contribute to individual- and population-level risk for HIV among a population of rural South African schoolgirls. Much previous research has been focused on identifying individual HIV risk behaviors, but the spatial and place-based characterization of HIV risk has been largely understudied, particularly among our target population. To identify the characteristics of place associated with HIV risk, we are proposing an ancillary study to HPTN 068: The Effects of Cash Transfer and Community Mobilization in Young South African Women Study to develop two models: one for individual-level HIV sero-prevalence and one for village-level HIV prevalence. These models of individual- and population-level HIV risk will provide insight into the etiology of HIV transmission by identifying the population-level variables most important to HIV risk. Also, it is hoped that the models developed in this study will be used to identify individuals and populations at risk for HIV in order to better inform and target preventive interventions.

#### UNITS OF ANALYSIS

Outcome is analyzed at the individual-level, though primary exposures are at the village-level

### Coverage

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#### UNIVERSE

Young women enrolled in HPTN 068: The Effects of Cash Transfer and Community Mobilization in Young South African Women. We are also interested in village-of-residence-level covariates and GIS data.

### Producers and Sponsors

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#### PRIMARY INVESTIGATOR(S)

Name	Affiliation
Audrey Pettifor	
Molly Rosenberg	

## Sampling

No content available

## Questionnaires

No content available

## Data Collection

### Data Collection Dates

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<b>Start</b>	<b>End</b>	<b>Cycle</b>
2009	2011	P1

### Time Periods

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<b>Start</b>	<b>End</b>	<b>Cycle</b>
2009	2011	N/A

## Data Processing

No content available

## Data Appraisal

No content available

## File Description



## Variable List

## Details of the Individuals

Content

Cases 8296

Variable(s) 6

Structure Type:  
Keys: ()

Version

Producer

Missing Data

## Variables

ID	Name	Label	Type	Format	Question
V1	Village	Village	discrete	character	
V2	VillageName	VillageName	discrete	character	
V3	PoliticalVillage	PoliticalVillage	discrete	character	
V4	PoliticalVillageName	PoliticalVillageName	discrete	character	
V5	Id_anon	Id_anon	discrete	character	
V6	Gender	Gender	discrete	character	

## PoliticalVillage\_Version

Content

Cases 24

Variable(s) 14

Structure  
Type:  
Keys: ()

Version

Producer

Missing Data

## Variables

ID	Name	Label	Type	Format	Question
V7	PoliticalVillage	PoliticalVillage	discrete	character	
V8	PoliticalVillageName	PoliticalVillageName	discrete	character	
V9	MalePop	MalePop	discrete	numeric	
V10	FemalePop	FemalePop	discrete	numeric	
V11	TotalPop	TotalPop	discrete	numeric	
V12	SexRatio	SexRatio	discrete	numeric	
V13	Age	Age	discrete	numeric	
V14	Nationality_SA	Nationality_SA	discrete	numeric	
V15	Nationality_NonSA	Nationality_NonSA	discrete	numeric	
V16	Married	Married	discrete	numeric	
V17	Working_in_2008	Working_in_2008	discrete	numeric	
V18	ResStatus_Migrant_in2011	ResStatus_Migrant_in2011	discrete	numeric	
V19	Mean_SES	Mean_SES	discrete	numeric	
V20	EduYear_Mean_2009to2011	EduYear_Mean_2009to2011	discrete	numeric	

## Village\_Version

Content

Cases 28

Variable(s) 14

Structure  
Type:  
Keys: ()

Version

Producer

Missing Data

## Variables

ID	Name	Label	Type	Format	Question
V21	Village	Village	discrete	character	
V22	VillageName	VillageName	discrete	character	
V23	MalePop	MalePop	discrete	numeric	
V24	FemalePop	FemalePop	discrete	numeric	
V25	TotalPop	TotalPop	discrete	numeric	
V26	SexRatio	SexRatio	discrete	character	
V27	Age	Age	discrete	numeric	
V28	Nationality_SA	Nationality_SA	discrete	numeric	
V29	Nationality_NonSA	Nationality_NonSA	discrete	numeric	
V30	Married	Married	discrete	numeric	
V31	Working_in_2008	Working_in_2008	discrete	numeric	
V32	ResStatus_Migrant_in2011	ResStatus_Migrant_in2011	discrete	numeric	
V33	Mean_SES	Mean_SES	discrete	numeric	
V34	EduYear_Mean_2009to2011	EduYear_Mean_2009to2011	discrete	numeric	



## Village (Village)

## File: Details of the Individuals

**Overview**

Type: Discrete  
Format: character  
Width: 2

Valid cases: 8296  
Invalid: 0

## VillageName (VillageName)

## File: Details of the Individuals

**Overview**

Type: Discrete  
Format: character  
Width: 13

Valid cases: 8296  
Invalid: 0

## PoliticalVillage (PoliticalVillage)

## File: Details of the Individuals

**Overview**

Type: Discrete  
Format: character  
Width: 2

Valid cases: 8296  
Invalid: 0

## PoliticalVillageName (PoliticalVillageName)

## File: Details of the Individuals

**Overview**

Type: Discrete  
Format: character  
Width: 14

Valid cases: 8296  
Invalid: 0

## Id\_anon (Id\_anon)

## File: Details of the Individuals

**Overview**

Type: Discrete  
Format: character  
Width: 5

Valid cases: 8296  
Invalid: 0

## Gender (Gender)

## File: Details of the Individuals

**Overview**

Type: Discrete  
Format: character  
Width: 1

Valid cases: 8296  
Invalid: 0

## PoliticalVillage (PoliticalVillage)

File: PoliticalVillage\_Version

**Overview**

Type: Discrete  
 Format: character  
 Width: 2

Valid cases: 24  
 Invalid: 0

## PoliticalVillageName (PoliticalVillageName)

File: PoliticalVillage\_Version

**Overview**

Type: Discrete  
 Format: character  
 Width: 14

Valid cases: 24  
 Invalid: 0

## MalePop (MalePop)

File: PoliticalVillage\_Version

**Overview**

Type: Discrete  
 Format: numeric  
 Decimals: 0  
 Range: 64-4760

Valid cases: 24  
 Invalid: 0

## FemalePop (FemalePop)

File: PoliticalVillage\_Version

**Overview**

Type: Discrete  
 Format: numeric  
 Decimals: 0  
 Range: 107-5122

Valid cases: 24  
 Invalid: 0

## TotalPop (TotalPop)

File: PoliticalVillage\_Version

**Overview**

Type: Discrete  
 Format: numeric  
 Decimals: 0  
 Range: 171-9882

Valid cases: 24  
 Invalid: 0

## SexRatio (SexRatio)

File: PoliticalVillage\_Version

**Overview**

## SexRatio (SexRatio)

### File: PoliticalVillage\_Version

Type: Discrete  
 Format: numeric  
 Decimals: 0  
 Range: 60-101

Valid cases: 24  
 Invalid: 0

## Age (Age)

### File: PoliticalVillage\_Version

#### Overview

Type: Discrete  
 Format: numeric  
 Decimals: 2  
 Range: 20.257309-27.973893

Valid cases: 24  
 Invalid: 0

## Nationality\_SA (Nationality\_SA)

### File: PoliticalVillage\_Version

#### Overview

Type: Discrete  
 Format: numeric  
 Decimals: 0  
 Range: 130-6087

Valid cases: 24  
 Invalid: 0

## Nationality\_NonSA (Nationality\_NonSA)

### File: PoliticalVillage\_Version

#### Overview

Type: Discrete  
 Format: numeric  
 Decimals: 0  
 Range: 32-4866

Valid cases: 24  
 Invalid: 0

## Married (Married)

### File: PoliticalVillage\_Version

#### Overview

Type: Discrete  
 Format: numeric  
 Decimals: 0  
 Range: 0-405

Valid cases: 24  
 Invalid: 0

## Working\_in\_2008 (Working\_in\_2008)

### File: PoliticalVillage\_Version

#### Overview



## Working\_in\_2008 (Working\_in\_2008)

### File: PoliticalVillage\_Version

Type: Discrete  
Format: numeric  
Decimals: 0  
Range: 0-1801

Valid cases: 24  
Invalid: 0

## ResStatus\_Migrant\_in2011 (ResStatus\_Migrant\_in2011)

### File: PoliticalVillage\_Version

#### Overview

Type: Discrete  
Format: numeric  
Decimals: 0  
Range: 20-1488

Valid cases: 24  
Invalid: 0

## Mean\_SES (Mean\_SES)

### File: PoliticalVillage\_Version

#### Overview

Type: Discrete  
Format: numeric  
Decimals: 2  
Range: 1.974946824-2.87936384382222

Valid cases: 24  
Invalid: 0

## EduYear\_Mean\_2009to2011 (EduYear\_Mean\_2009to2011)

### File: PoliticalVillage\_Version

#### Overview

Type: Discrete  
Format: numeric  
Decimals: 2  
Range: 4.840359-6.575429

Valid cases: 24  
Invalid: 0

## Village (Village)

File: Village\_Version

**Overview**

Type: Discrete  
 Format: character  
 Width: 2

Valid cases: 27  
 Invalid: 0

## VillageName (VillageName)

File: Village\_Version

**Overview**

Type: Discrete  
 Format: character  
 Width: 13

Valid cases: 27  
 Invalid: 0

## MalePop (MalePop)

File: Village\_Version

**Overview**

Type: Discrete  
 Format: numeric  
 Decimals: 0  
 Range: 64-3675

Valid cases: 27  
 Invalid: 1

## FemalePop (FemalePop)

File: Village\_Version

**Overview**

Type: Discrete  
 Format: numeric  
 Decimals: 0  
 Range: 107-3920

Valid cases: 27  
 Invalid: 1

## TotalPop (TotalPop)

File: Village\_Version

**Overview**

Type: Discrete  
 Format: numeric  
 Decimals: 0  
 Range: 171-7595

Valid cases: 27  
 Invalid: 1

## SexRatio (SexRatio)

File: Village\_Version

**Overview**

Type: Discrete  
 Format: character  
 Width: 6

Valid cases: 28  
 Invalid: 0

## Age (Age)

File: Village\_Version

**Overview**

Type: Discrete  
 Format: numeric  
 Decimals: 2  
 Range: 20.257309-27.973893

Valid cases: 27  
 Invalid: 1

## Nationality\_SA (Nationality\_SA)

File: Village\_Version

**Overview**

Type: Discrete  
 Format: numeric  
 Decimals: 0  
 Range: 57-6409

Valid cases: 27  
 Invalid: 1

## Nationality\_NonSA (Nationality\_NonSA)

File: Village\_Version

**Overview**

Type: Discrete  
 Format: numeric  
 Decimals: 0  
 Range: 32-3130

Valid cases: 27  
 Invalid: 1

## Married (Married)

File: Village\_Version

**Overview**

Type: Discrete  
 Format: numeric  
 Decimals: 0  
 Range: 0-376

Valid cases: 27  
 Invalid: 1

## Working\_in\_2008 (Working\_in\_2008)

File: Village\_Version

**Overview**

Type: Discrete  
 Format: numeric  
 Decimals: 0  
 Range: 0-1454

Valid cases: 27  
 Invalid: 1

## ResStatus\_Migrant\_in2011 (ResStatus\_Migrant\_in2011)

File: Village\_Version

**Overview**

## ResStatus\_Migrant\_in2011 (ResStatus\_Migrant\_in2011)

### File: Village\_Version

Type: Discrete  
Format: numeric  
Decimals: 0  
Range: 20-1539

Valid cases: 27  
Invalid: 1

## Mean\_SES (Mean\_SES)

### File: Village\_Version

#### Overview

Type: Discrete  
Format: numeric  
Decimals: 2  
Range: 1.974946824-2.87936384382222

Valid cases: 27  
Invalid: 1

## EduYear\_Mean\_2009to2011 (EduYear\_Mean\_2009to2011)

### File: Village\_Version

#### Overview

Type: Discrete  
Format: numeric  
Decimals: 2  
Range: 3.940564-6.575429

Valid cases: 27  
Invalid: 1

# Documentation

## Questionnaires

### Data Request

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Title	Data Request
Date	02/05/2018
Country	South Africa
Language	English
Filename	AHPU_DataRequestForm_MR_10-17.doc

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