



THE SIXTH SOUTH AFRICAN NATIONAL HIV PREVALENCE, INCIDENCE, AND BEHAVIOUR SURVEY (SABSSM VI)

20 YEARS OF STRATEGIC HIV AND PUBLIC HEALTH DATA

Key findings for KwaZulu-Natal

Early and Unintended Pregnancies in
Eastern & Southern Africa Conference 2024
28th-29th November 2024



SABSSM VI Study Group Contributors





Overview

- Main objectives of the survey
- Survey methods
- Results:
 - Response rates
 - HIV prevalence
 - Early sexual debut

- Pregnancy (%) among adolescent girls & young women 15–24 years (15–19 years & 20–24 years)
- Demographics among pregnant adolescent girls & young women
- HIV prevalence among this target group



MAIN OBJECTIVES

To estimate at national, provincial and district levels (PEPFAR and NDoH priority):

- HIV prevalence (adults and children)
- Exposure to ART
- Viral load suppression in HIV-infected individuals

To estimate at the national level:

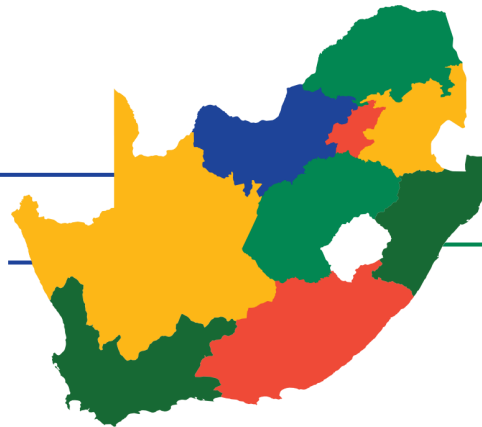
- HIV incidence (annualized rate of new HIV infections)



STUDY METHODS

Geographic scope

- National level: 9 provinces
- District level: 27 PEPFAR and 6 National Department of Health priority districts



KwaZulu-Natal selected districts: eThekweni, Harry Gwala, King Cetshwayo, Ugu, uMgungundlovu, uThukela, Zululand and uMkhanyakude.



Survey design

- A cross-sectional, population-based household survey, using multi-stage stratified cluster random sampling
- The survey design and methods are validated in the five previous surveys

Survey population

- Persons of all ages living in South Africa at the time of the survey
- All members of the selected households were invited to participate
- Data **collected** from January 2022 to April 2023
- Expected sample size for KwaZulu-Natal: 29 608

QUESTIONNAIRES

Household Questionnaire



- This questionnaire was used to record a household listing of members and other household-level information

Individual Questionnaires



- Questionnaire for parent/guardian of children aged 0 to 11 years
- Questionnaire for children aged 12 to 14 years
- Questionnaire for persons aged 15 years and older

Methods for extracting pregnancy data:

- Pregnancy: Self-reported currently pregnant or pregnant in the past two years
- National data, focus on KwaZulu-Natal & priority districts
- Demographics: highest education attainment, employment status including if student/learner, locality type
- HIV prevalence – based on laboratory testing of dried blood spots
- Small numbers restricted to $n < 30$ & indicated by –
- Weighted percentages reported

Survey data collection period: January 2022 to April 2023



science & innovation
Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



PEPFAR
U.S. President's Emergency Plan for AIDS Relief



HSRC
Human Sciences
Research Council



CDC
CENTERS FOR DISEASE
CONTROL AND PREVENTION



saMRC
advancing life



University of Cape Town
UNIVERSITY OF CAPE TOWN



NATIONAL INSTITUTE FOR
OCCUPATIONAL HEALTH
Division of the National Health Laboratory Service



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RESULTS – KwaZulu-Natal



RESPONSE RATES

- **9 235 VPs*** were approached, where **8 481, 91.8%** were valid
- Of the valid **8 481** households, **78.2%** completed a household interview
- Of the eligible **28 830** individuals, aged **0+ years****, **93.7%** were interviewed, and **60.5%** provided blood for HIV and additional testing
- Of the **8 247** eligible **males**, aged **15+ years**, **89.5%** were interviewed, and **55.2%** provided blood for HIV and additional testing
- Of the **11 444** eligible **females**, aged **15+ years**, **94.3%** were interviewed, and **65.4%** provided blood for HIV and additional testing

*VP- A visiting point is a physical address or a dwelling where a household or a group of households can be found. It can be a house, shack, vacant stand or a hostel

** Parents and guardians were interviewed on behalf of children <12 years

HIV PREVALENCE BY PROVINCE, SOUTH AFRICA, 2017 AND 2022



HIV Prevalence (%)

2017 National: 14.0



Mpumalanga	KwaZulu-Natal	Free State	Eastern Cape	North West	Gauteng	Northern Cape	Limpopo	Western Cape
19.4	18.0	17.0	15.9	14.8	12.1	8.2	10.1	8.6

2022 National: 12.7



Mpumalanga	KwaZulu-Natal	Free State	Eastern Cape	North West	Gauteng	Northern Cape	Limpopo	Western Cape
17.4	16.0	15.6	13.7	12.3	11.9	8.9	8.9	7.4

SEXUAL DEBUT BEFORE THE AGE OF 15 YEARS AMONG YOUTH AGED 15–24 YEARS BY PROVINCE, SOUTH AFRICA, 2017 AND 2022

Early sexual debut (%)

2017 National: 13.0



Western Cape	Eastern Cape	Gauteng	Free State	North West	Limpopo	KwaZulu-Natal	Northern Cape	Mpumalanga
14.0	15.8	14.8	13.7	12.0	13.5	8.2	11.4	13.3

2022 National: 11.2



Western Cape	Eastern Cape	Gauteng	Free State	North West	Limpopo	KwaZulu-Natal	Northern Cape	Mpumalanga
16.3	15.3	13.2	9.2	8.8	8.7	8.6	8.0	5.4



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Pregnancy among adolescent girls & young women aged 15–24 years in KwaZulu-Natal

Self-reported pregnancy (%) among adolescent girls & young women aged 15–24 years



- Nationally, 16.6% [95% CI 14.9–18.5] of adolescent girls & young women aged 15–24 years, reported being currently pregnant or pregnant in the past 24 months.
- This translates to 794 963 adolescent girls & young women aged 15–24 years, who reported being currently pregnant or pregnant in the past 24 months.



North West	Limpopo	Eastern Cape	Gauteng	Free State	Western Cape	KwaZulu-Natal	Northern Cape	Mpumalanga
28.6	20.6	18.9	16.8	15.7	15.6	14.9	12.1	9.1

- In KwaZulu-Natal, 14.9% [95% CI 12.7-17.5] of adolescent girls and young women aged 15–24 years, reported being currently pregnant or pregnant in the past 24 months.
- This translates to 161 881 adolescent girls & young women aged 15–24 years who reported being currently pregnant or pregnant in the past 24 months.

Self-reported pregnancy (% , n) among adolescent girls & young women aged 15–24 years within priority districts, KwaZulu-Natal



	Harry Gwala	uMkhanyakude	uThukela	Zululand	King Cetshwayo	uMgungundlovu	eThekweni	Ugu
%	21.2	20.9	19.4	18.1	16.0	12.1	11.7	10.5
n	9740	13528	10899	14571	13209	11739	36598	7903

Self-reported pregnancy (%) among adolescent girls aged 15–19 years



Nationally,

- 8.8% [95% CI 7.2–10.6] of adolescent girls aged 15–19 years, reported being currently pregnant or pregnant in the past 24 months
- This translates to n=194 684 adolescent girls aged 15–19 years, who reported being currently pregnant or pregnant in the past 24 months



Eastern Cape	North West	Northern Cape	Western Cape	Free State	KwaZulu-Natal	Limpopo	Gauteng	Mpumalanga
15.4	13.8	11.6	11.0	8.1	7.8	6.8	5.9	5.4

In KwaZulu-Natal, this translates to n=40 467 adolescent girls aged 15–19 years, who reported being currently pregnant or pregnant in the past 24 months

Self-reported pregnancy (% ,n) among adolescent girls & young women aged 15–19 years within priority districts, KwaZulu-Natal



	Zululand	Harry Gwala	uMkhanyakude	King Cetshwayo	uMgungundlovu	uThukela	eThekweni	Ugu
%	15.3	14.5	13.3	9.3	8.1	7.2	6.3	3.0
n	7115	3528	4752	3713	3716	2156	8668	1150

Self-reported pregnancy (%) among young women aged 20–24 years

Nationally,

- 23.4% [95% CI 20.5–26.7] of young women aged 20–24 years, reported being currently pregnant or pregnant in the past 24 months
- This translates to n = 600 279 young women aged 20–24 years, who reported being currently pregnant or pregnant in the past 24 months



North West	Limpopo	Gauteng	Eastern Cape	Free State	KwaZulu-Natal	Western Cape	Northern Cape	Mpumalanga
38.9	31.8	26.6	22.7	21.8	21.4	19.1	12.6	11.8

In KwaZulu-Natal, this translates to n = 121 414 young women aged 20–24 years, who reported being currently pregnant or pregnant in the past 24 months



Self-reported pregnancy (% ,n) among adolescent girls & young women aged 20–24 years within priority districts, KwaZulu-Natal



	uThukela	uMkhanyakud	Harry Gwala	King Cetshwayo	Zululand	Ugu	eThekwini	uMgungundlovu
%	33.2	30.2	28.9	22.3	21.8	18.6	15.9	15.7
n	8743	8776	6212	9495	7456	6753	27930	8023





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Pregnancy among adolescent girls & young women aged 15–19 & 15–24 years, by demographic characteristics in KwaZulu-Natal

Pregnancy (%) among adolescent girls aged 15–19 years, by selected demographics, KwaZulu-Natal



Highest education attainment

None/primary school
1.0%

Some secondary school
8.4%

Tertiary
—



Employment

Unemployed*
21.8%

Employed
—

Student/
Learner
4.4%

*excludes learners attending school



Received income from any source in last month

Yes
10.3%

No
6.9%



Locality type

Urban areas
7.3%

Rural informal
8.5%

Rural formal
6.5%

Pregnancy (%) among adolescent girls & young women aged 15–24 years by selected demographics, KwaZulu-Natal



Education

None/primary school
14.8%

Some secondary school
15.2%

Tertiary education
11.8%



Employment

Unemployed*
25.6%

Employed*
14.7%

Student/
Learner
5.8%

*excludes earners attending school



Received income from any source in last month

Yes
22.4%

No
11.3%



Locality type

Urban areas
12.0%

Rural informal
17.8%

Rural formal
18.7%

HIV prevalence among adolescent girls & young women aged 15–24 years, KwaZulu-Natal



HIV Prevalence
among AGYW aged
15–24 years

9.3%

This translates to
n=100 342



HIV Prevalence
among pregnant¹
AGYW aged 15–24
years

11.1%

This translates to
n=21 317

¹Currently pregnant or pregnant in the past two years

Conclusions

- In KwaZulu-Natal, an estimated 40 467 adolescent girls aged 15–19 years, & 121 414 young women aged 20–24 years reported being currently pregnant or pregnant in the past two years.



- We did not collect data on whether the pregnancies were intended.

Higher proportions of pregnancy were found among adolescent girls & young women aged 15–24 years with the following characteristics:



- Low (school level) education attainment
- Being unemployed
- Received income from any source in the last month
- Residing in rural areas

Conclusions

HIV prevalence:

- KwaZulu-Natal is among the provinces with the highest overall HIV prevalence (16.0% vs 12.7%).
- In KwaZulu-Natal, HIV prevalence was higher (11.1%) among pregnant adolescent girls & young women aged 15–24 years, compared to the provincial HIV estimate among adolescent girls & young women aged 15–24 years (9.3%).