

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 Mpumalanga Province 17 September 2024











OVERVIEW OF PRESENTATION





- Background of the SABSSM survey series
- Main objectives of the survey
- Survey methods
- Provincial results
 - National HIV prevalence
 - Antiretroviral treatment
 - Viral load suppression
 - Progress towards 95-95-95 targets
 - Key drivers of the HIV epidemic
- Concluding remarks











HISTORY OF THE SURVEY





- Expanded scope
- Larger sample size
- Increased biomarkers
- Take all approach

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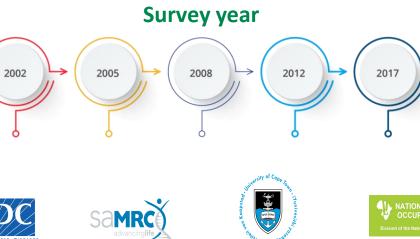


Major source of information for measuring the progress of the implementation of the South African National Strategic Plan (NSP) for HIV, STIs and TB









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)













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SURVEY METHODS

Geographic scope

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





Mpumalanga selected districts: Ehlanzeni, Gert Sibande, Nkangala

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 Mpumalanga:

9 143



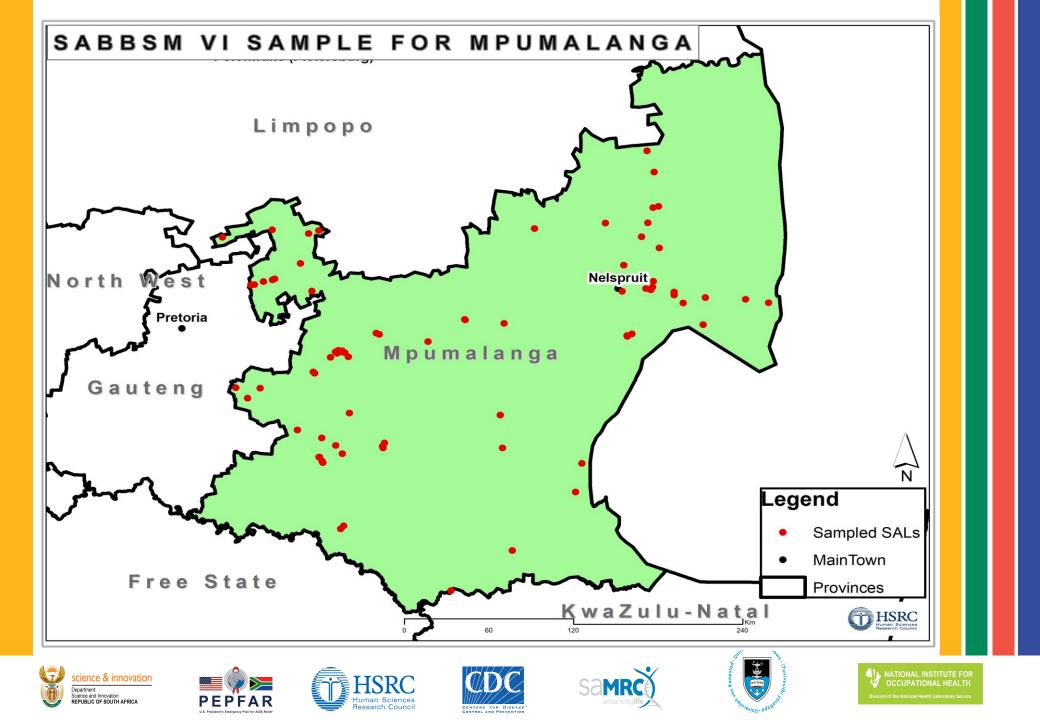








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QUESTIONNAIRES



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













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SPECIMEN COLLECTION





Dried blood spot (DBS) specimens collected by

- finger-prick
- heel-prick in infants < 24 months









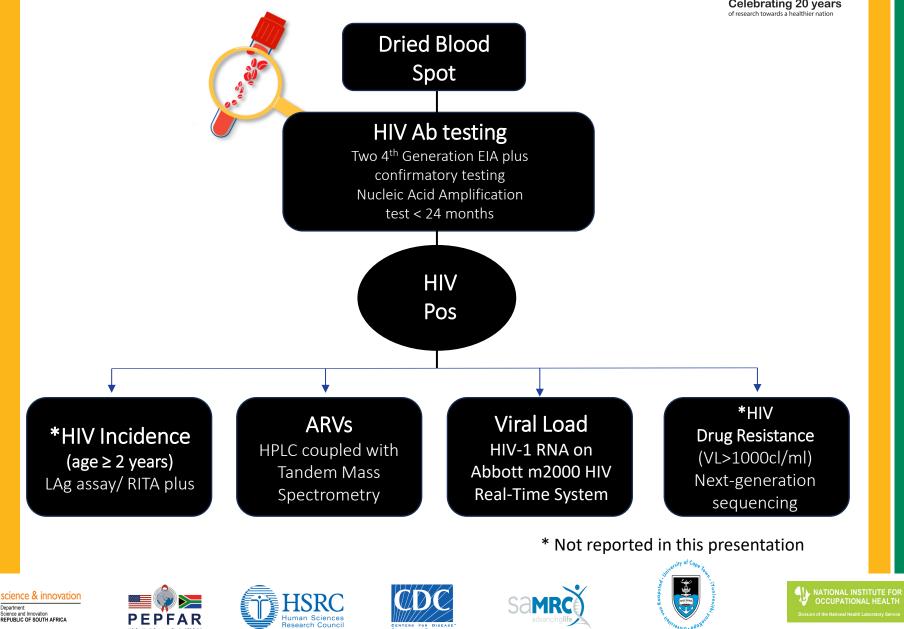






SPECIMEN TESTING







RESULTS – Mpumalanga













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RESPONSE RATES



- 2 692 VPs* were approached, where 2 479, 92.0% were valid
- Of the valid **2 479** households, **85.0%** completed a household interview
- Of the eligible 7 420 individuals, aged 0+ years**, 98.2% were interviewed, and 63.9% provided blood for HIV and additional testing
- Of the 2 292 eligible males, aged 15+ years, 97.1% were interviewed, and 67.2% provided blood for HIV and additional testing
- Of the 3 136 eligible females, aged 15+ years, 98.4% were interviewed, and 73.9% 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





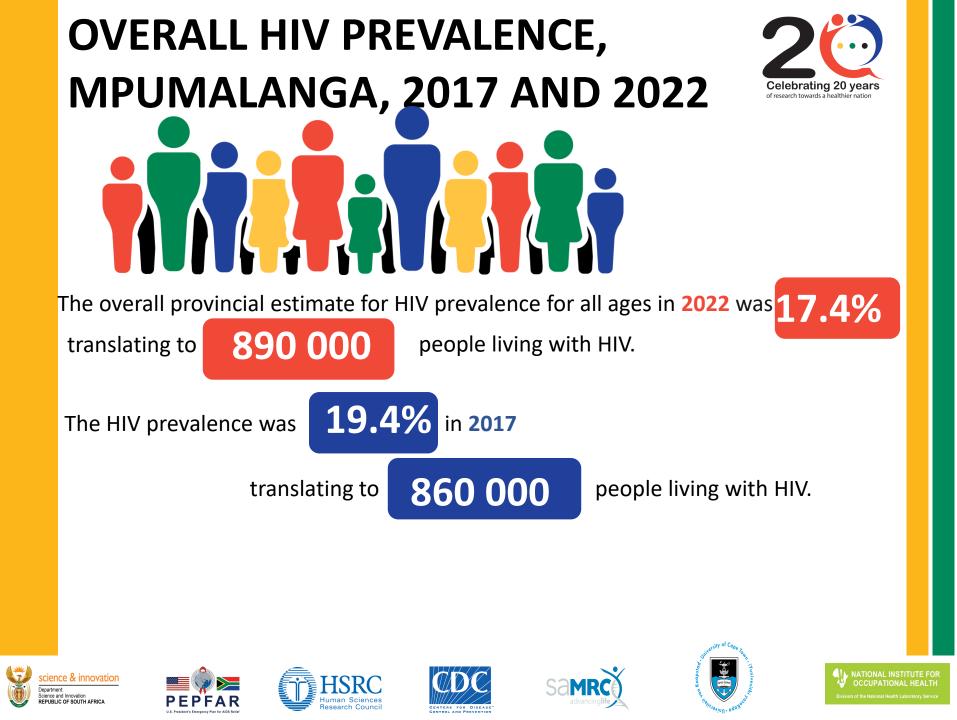








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HIV PREVALENCE BY PROVINCE, SOUTH AFRICA, 2017 AND 2022



HIV Prevalence (%)

2017 National: 14.0







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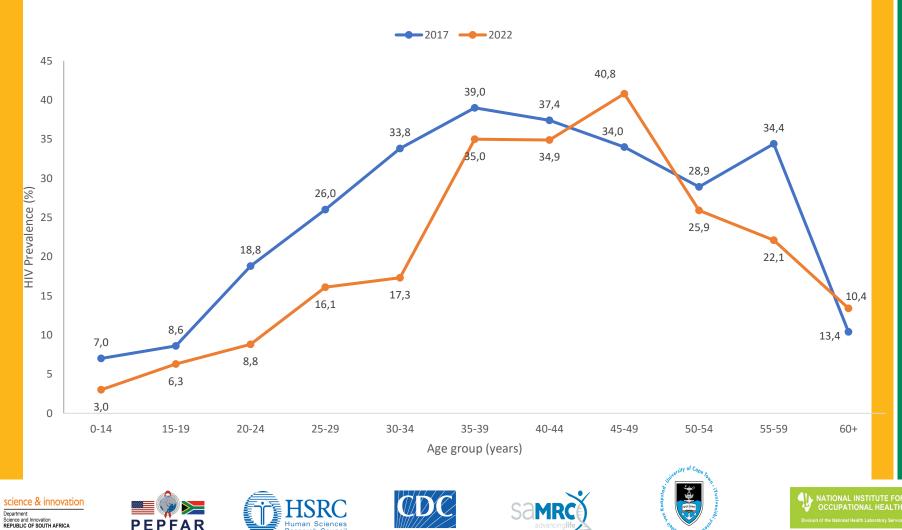




OVERALL HIV PREVALENCE, BY AGE GROUP, MPUMALANGA PROVINCE, 2017 AND 2022

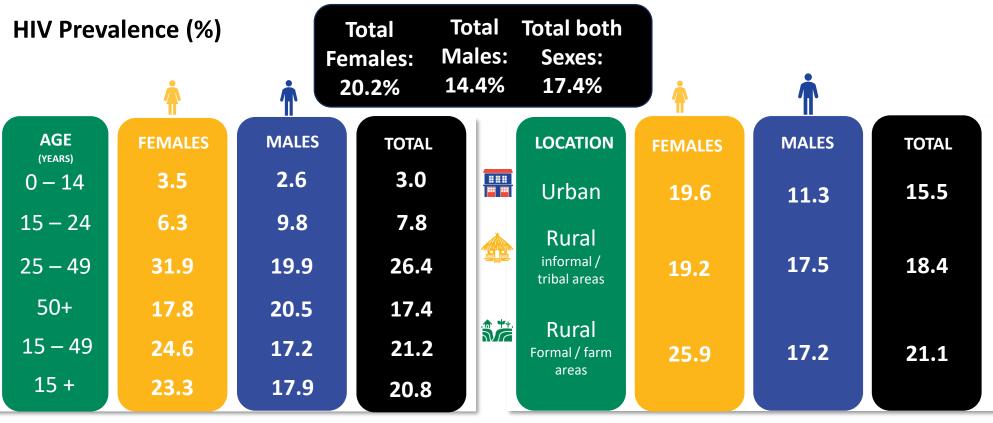
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OVERALL HIV PREVALENCE, BY SEX FOR SELECTED















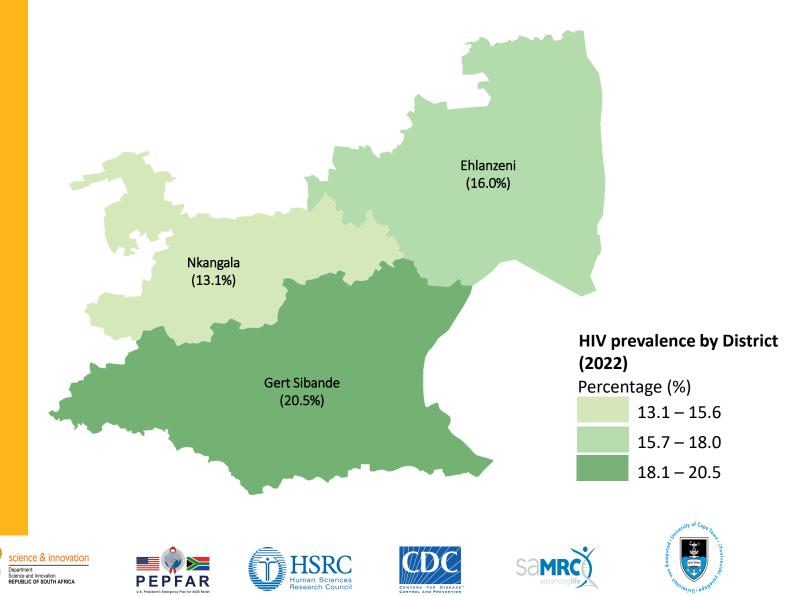


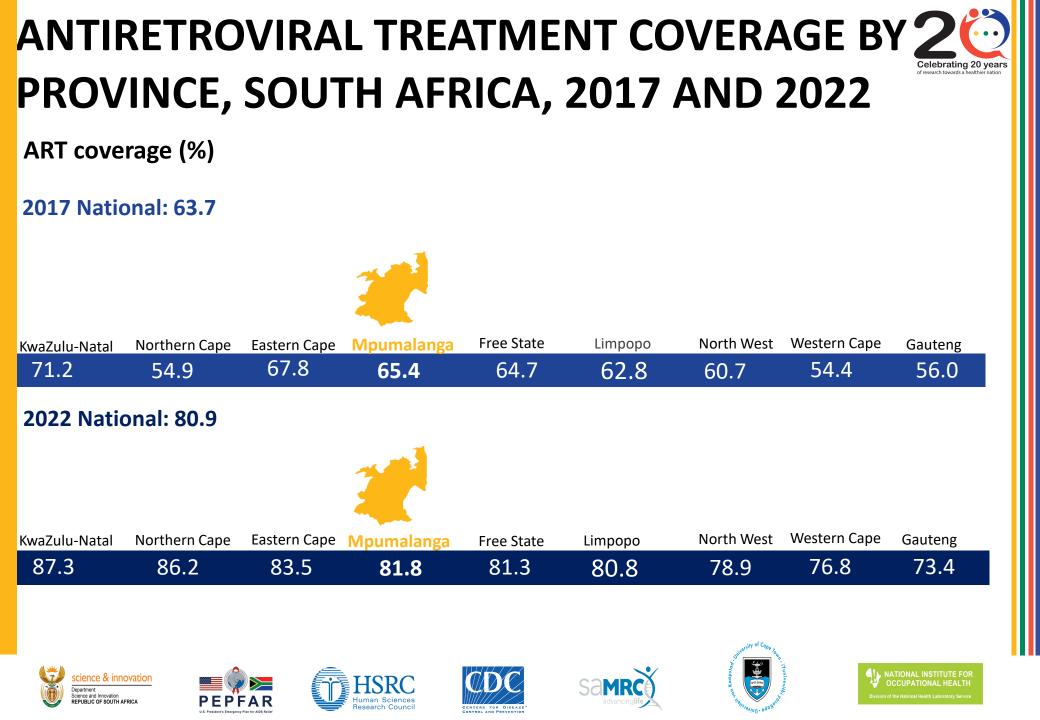
Celebrating 20 years

OVERALL HIV PREVALENCE, BY DISTRICTS, MPUMALANGA, 2022



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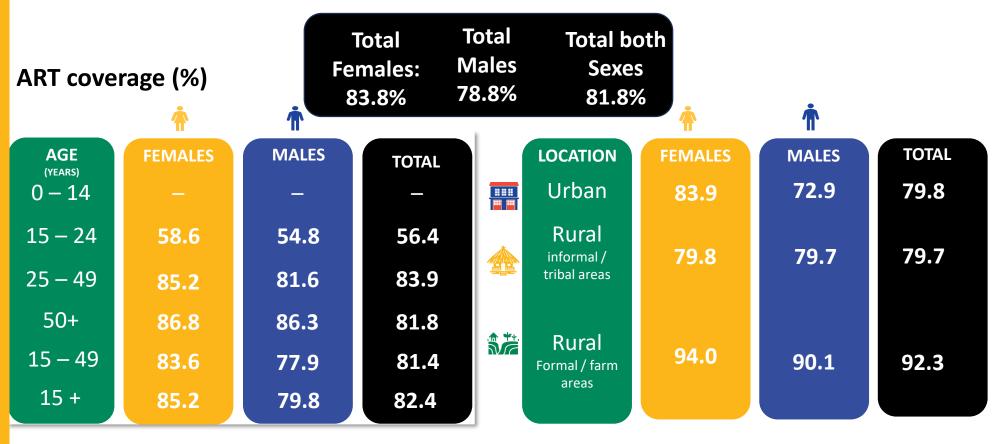




OVERALL ANTIRETROVIRAL TREATMENT, BY SEX FOR SELECTED DEMOGRAPHICS, MPUMALANGA, 2022



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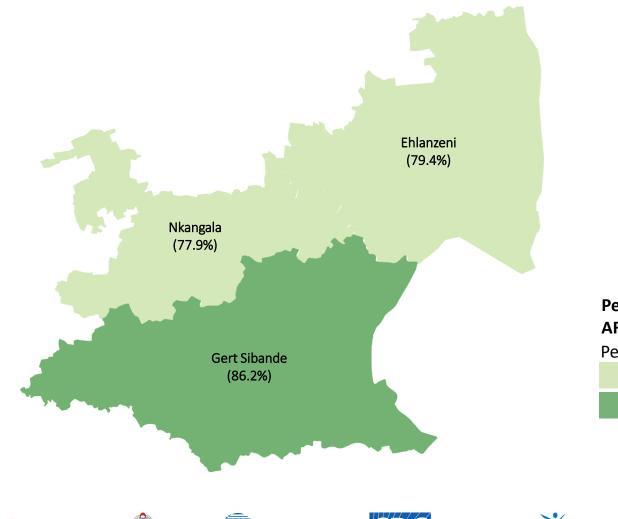








OVERALL ANTIRETROVIRAL TREATMENT COVERAGE, BY DISTRICTS, MPUMALANGA, 2022



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 Persons living with HIV on

 ART by District (2022)

 Percentage (%)
 77.9 – 82.1

 82.2 – 86.2
 82.2









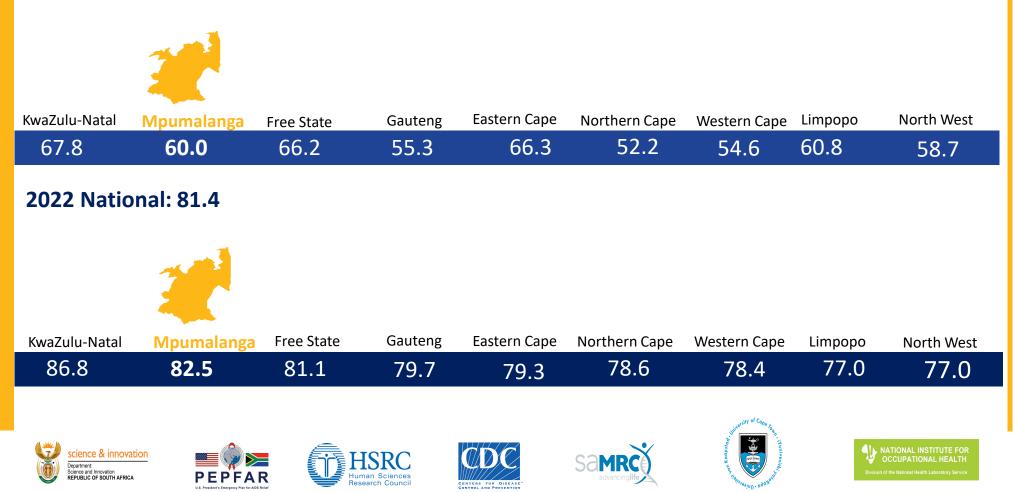


VIRAL LOAD SUPPRESSION BY PROVINCE, SOUTH AFRICA, 2017 AND 2022

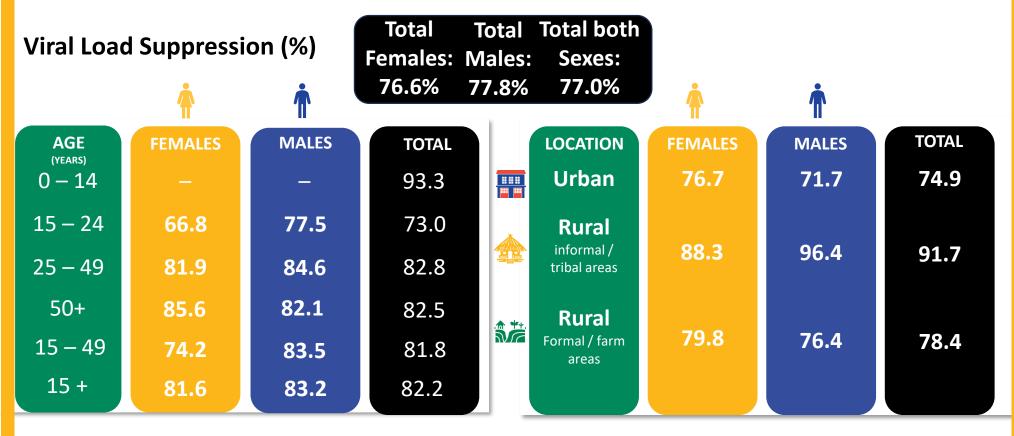


Viral load suppression (%)

2017 National: 61.6



OVERALL VIRAL LOAD SUPPRESSION*, BY SEX FOR 2000 SELECTED DEMOGRAPHICS, MPUMALANGA, 2022



*Viral load <1,000 copies/ml





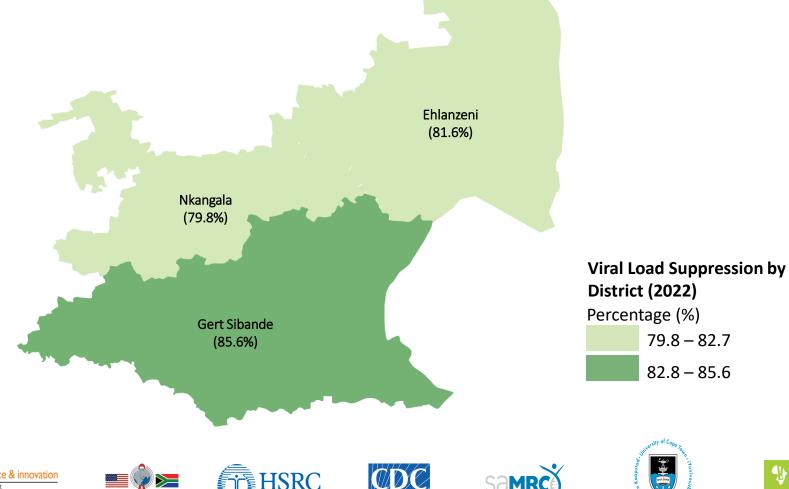








OVERALL POPULATION VIRAL LOAD SUPPRESSION BY DISTRICTS, Celebrating 20 years of research towards a healthier nation MPUMALANGA, 2022



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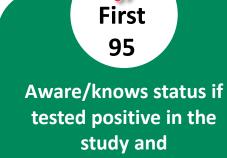
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95-95-95 TARGETS: DEFINITIONS







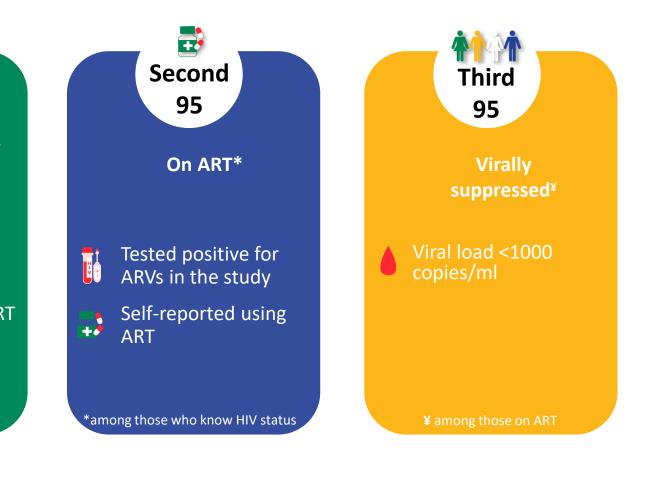
Had self-reported being positive **or**



Tested positive for ART in the study **or**



Self-reported using ART









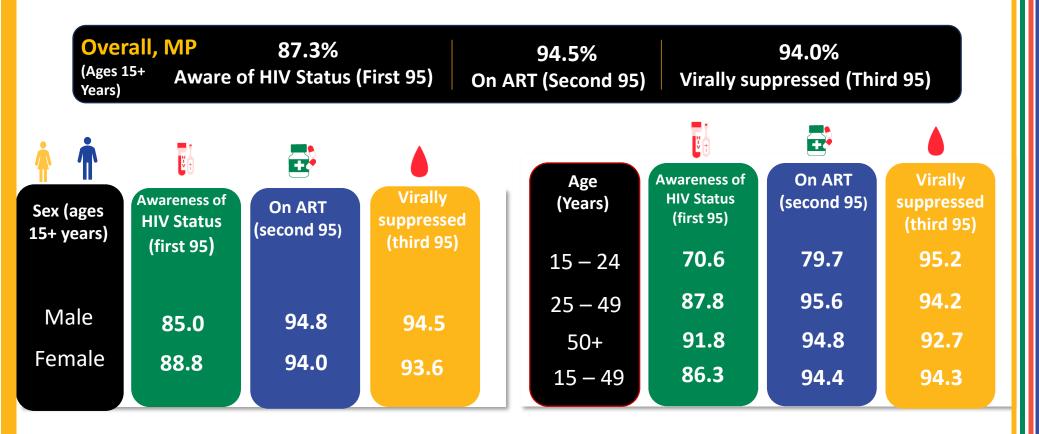






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95-95-95 TARGETS FOR PEOPLE AGED 15+ YEARS LIVING WITH HIV, BY SELECTED DEMOGRAPHICS, MPUMALANGA, 2022









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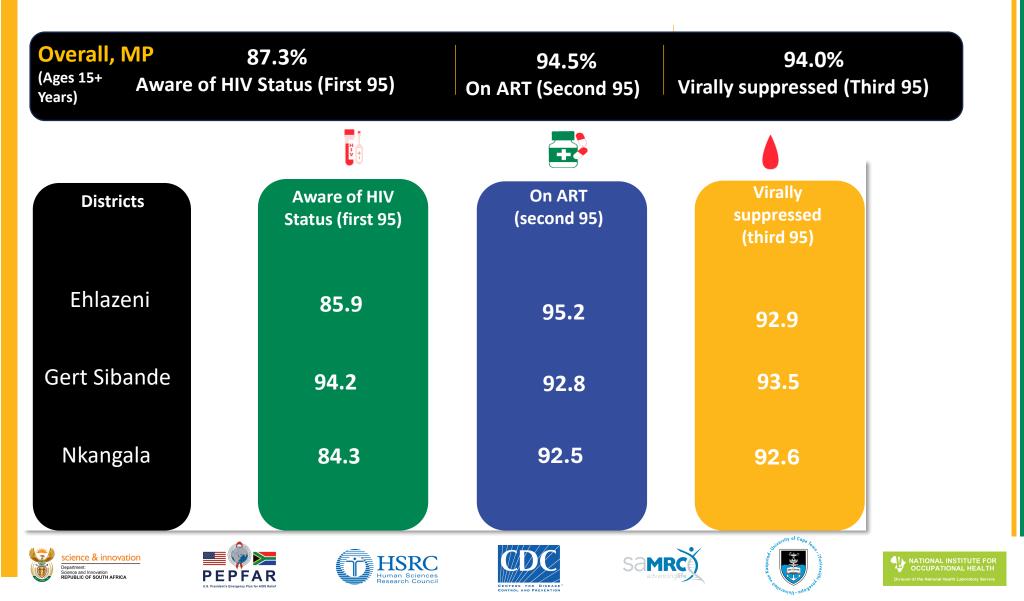
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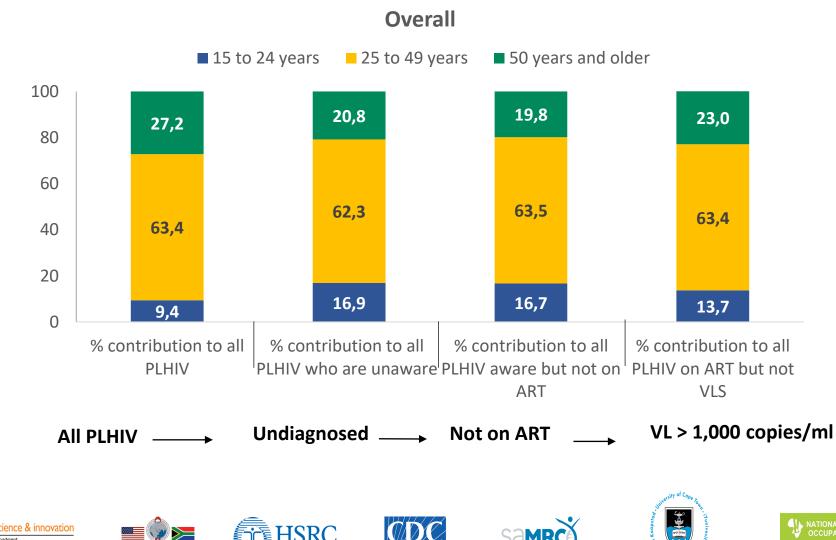


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95-95-95 TARGETS FOR PEOPLE AGED 15+ YEARS LIVING 2000 WITH HIV, BY DISTRICT, MPUMALANGA, 2022



GAPS IN 95-95-95 TARGETS FOR PEOPLE AGED 15+ YEARS LIVING WITH HIV, BY AGE, **MPUMALANGA**, 2022





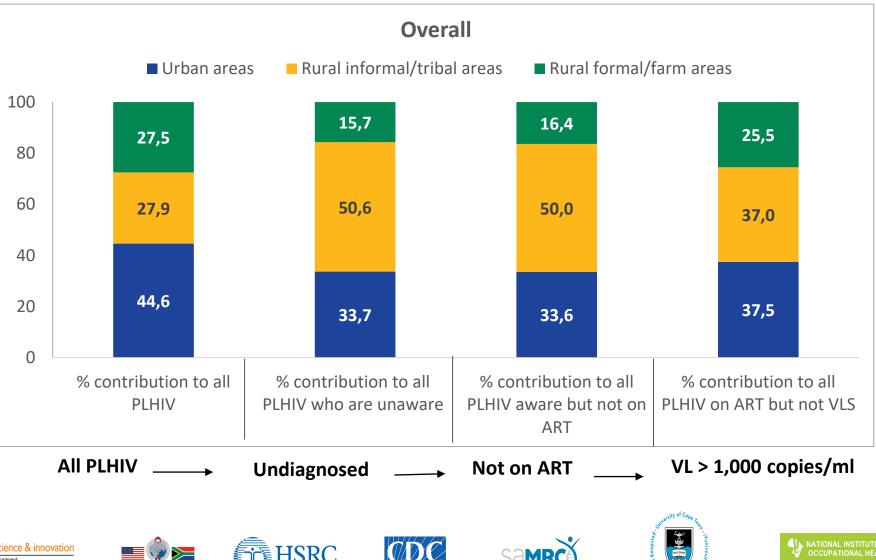
Celebrating 20 years of research towards a healthier nation



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GAPS IN 95-95-95 TARGETS FOR PEOPLE AGED 15+ YEARS LIVING WITH HIV, BY LOCALITY, LIMPOPO, 2022









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KEY DRIVERS OF THE HIV EPIDEMIC











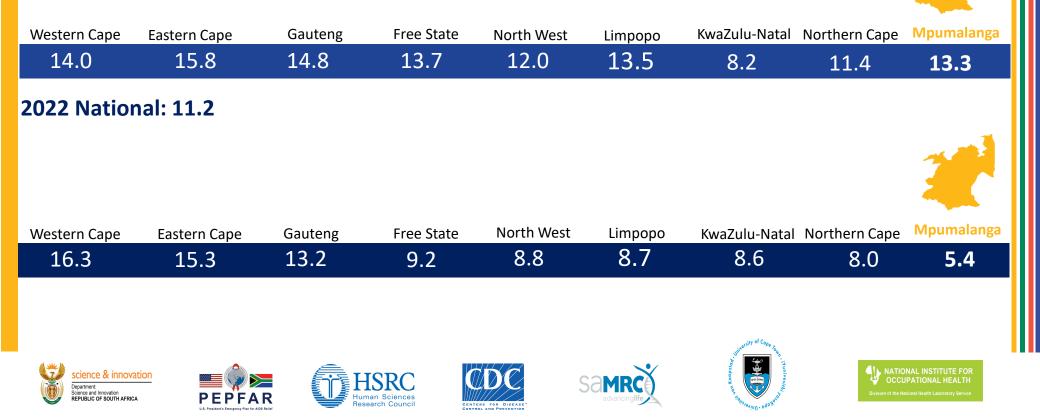


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SEXUAL DEBUT BEFORE THE AGE OF 15 YEARS AMONG YOUTH AGED 15–24 YEARS BY PROVINCE, SOUTH AFRICA, 2017 AND 2022



Early sexual debut (%) 2017 National: 13.0

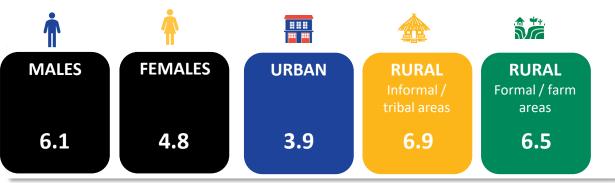


SEXUAL DEBUT BEFORE THE AGE OF 15 YEARS AMONG YOUTH AGED 15–24 YEARS, BY DEMOGRAPHICS, MPUMALANGA, 2022



Early sexual debut (%)





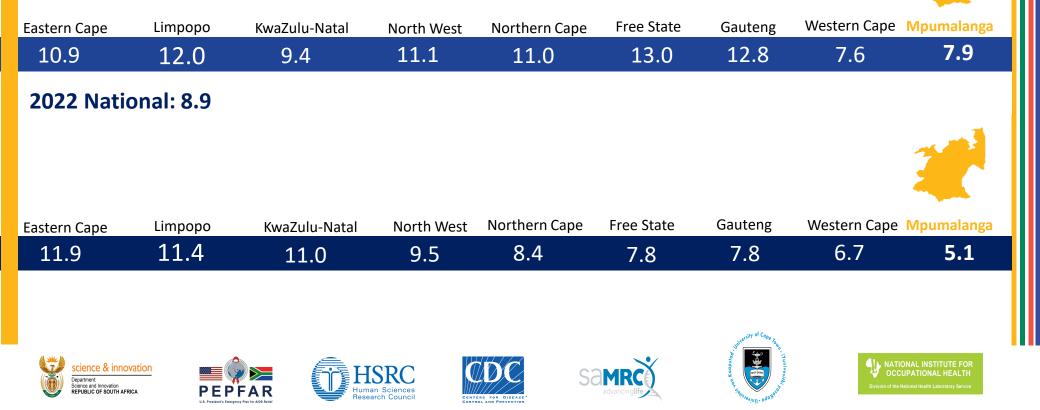




MULTIPLE SEXUAL PARTNERS IN THE LAST 12 MONTHS AMONG PEOPLE AGED 15+ YEARS BY PROVINCE, SOUTH AFRICA, 2017 AND 2022

Multiple sexual partners (%)

2017 National: 10.8

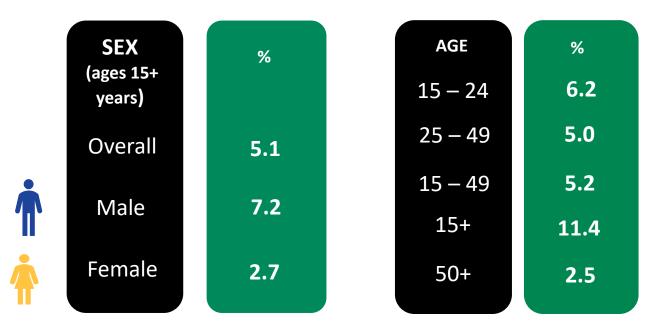




MULTIPLE SEXUAL PARTNERS IN THE LAST 12 AMONG PEOPLE AGED 15+ YEARS, BY SEX AND AGE, MPUMALANGA, 2022

Multiple sexual partners (%)

Overall, MP: 5.1%















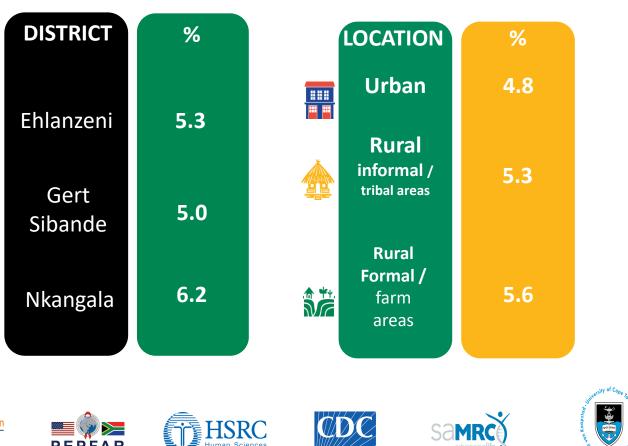




MULTIPLE SEXUAL PARTNERS IN THE LAST 12 Celebrating 20 years **MONTHS AMONG PEOPLE AGED 15+ YEARS, BY SELECTED DEMOGRAPHICS, MPUMALANGA, 2022**

Multiple sexual partners (%)

Overall, MP: 5.1%















CONDOM USE DURING MOST RECENT SEXUAL ENCOUNTER AMONG PEOPLE AGED 15+ YEARS BY PROVINCE, SOUTH AFRICA, 2017 AND 2022



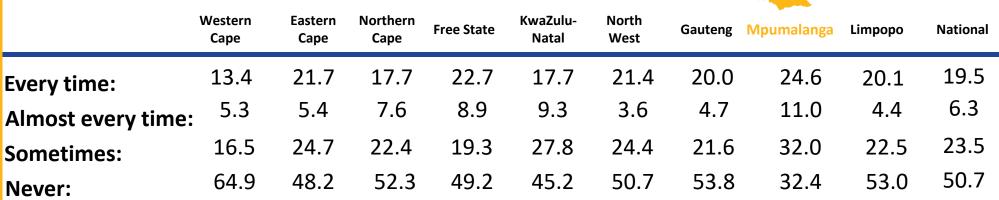
Condom use at last sexual encounter (%)

2017 National: 39.0



CONSISTENCY OF CONDOM USE WITH THE MOST RECENT SEXUAL PARTNER AMONG PEOPLE AGED 15+ YEARS BY PROVINCE, SOUTH AFRICA, 2022

Condom use (%)

















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CONSISTENCY OF CONDOM USE WITH THE MOST RECENT SEXUAL PARTNER AMONG PEOPLE AGED 15+ YEARS BY DISTRICTS, MPUMALANGA, 2022

Condom use (%)

E	hlanzeni	Gert Sibande	Nkangala
Every time:	18.0	24.6	32.2
Almost every time:	12.5	12.7	9.4
Sometimes:	32.4	29.1	19.0
Never:	37.1	33.7	39.4







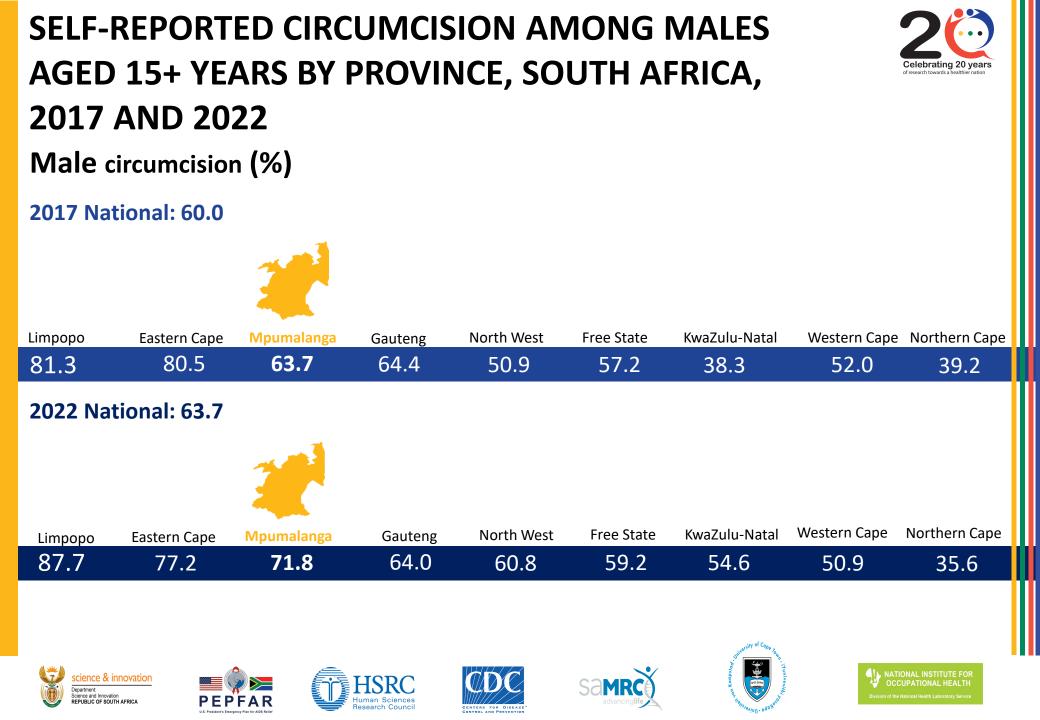










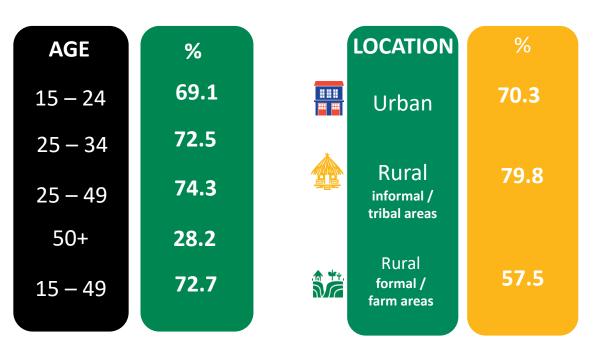


SELF-REPORTED CIRCUMCISION AMONG MALES AGED 15+ YEARS BY DEMOGRAPHICS, MPUMALANGA 2022



Male circumcision (%)

Overall, MP: 71.8%

















SELF-REPORTED CIRCUMCISION AMONG MALES AGED 15+ YEARS BY AGE AND DISTRICTS, MPUMALANGA, 2022



Male circumcision (%) Overall, MP: 71.8%

DISTRICT	15+ years	15 – 24 years	25 – 34 years	25 – 49 years	50+ years
Ehlanzeni	75.0	74.0	69.1	71.0	62.1
Gert Sibande	68.7	61.6	73.2	71.7	63.1
Nkangala	70.4	61.8	76.8	73.2	63.6











SELF-REPORTED CIRCUMCISION TYPE AMONG MALES AGED 15+ YEARS BY PROVINCE, SOUTH AFRICA, 2022



Medical circumcision (%)

2022 Nation	al: 60.0							
KwaZulu-Natal	Free State	Northern Cape	Gauteng	Mpumalanga	North West	Western Cape	Limpopo	Eastern Cape
87.6	72.4	71.4	70.6	68.1	66.0	46.3	46.0	14.3
Traditiona	al circum	cision (%)						
2022 Natio	onal: 39.2							
KwaZulu-Natal	Free State	Northern Cape	Gauteng	Mpumalanga	North West	Western Cape	Limpopo	Eastern Cape
11.8	26.4	28.6	28.7	31.4	33.5	53.5	52.0	85.0
Both Tota	l: 0.6					etily of Cope &		
Science & innovation Department: Science and Innovation Republic OF SOUTH AFRICA			SRC an Sciences arch Council	CDDC Extreme for Disease Control and Precedention	Same	When the state of	Security NATIO OCCU Division of the Nat	NAL INSTITUTE FOR PATIONAL HEALTH ional Health Laboratory Service

SELF-REPORTED CIRCUMCISION TYPE AMONG MALES AGED 15+ YEARS, BY DEMOGRAPHICS, MPUMALANGA, 2022



Circumcisi	on type (%)	circur	dical ncision .1%	Traditi circumo 31.4	cision			
AGE (YEARS)	Medical Circumcision	Traditional circumcision	Both		LOCATION	Medical circumcision	Traditional circumcision	Both
15–24	82.0	16.4	4.1		Urban	72.5	27.1	0.4
25 – 34	67.9	31.8	0.3		Rural			
25 – 49	67.9	31.8	1.7		informal / tribal areas	60.7	38.5	0.8
50+	49.1	50.8	0.0		Rural			
15 – 49	72.0	27.3	2.6		formal / farm areas	70.2	29.2	0.5











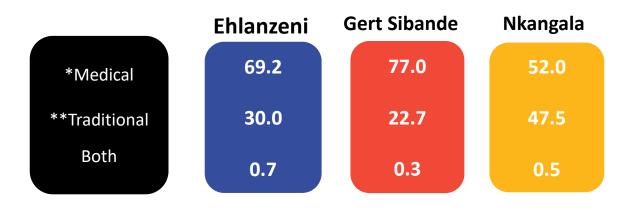




SELF-REPORTED CIRCUMCISION TYPE AMONG MALES AGED 15+ YEARS BY DISTRICTS, MPUMALANGA, 2022



Circumcision type (%)



*self-reported male circumcision performed by a healthcare provider ** self-reported male circumcision not performed by a healthcare provider







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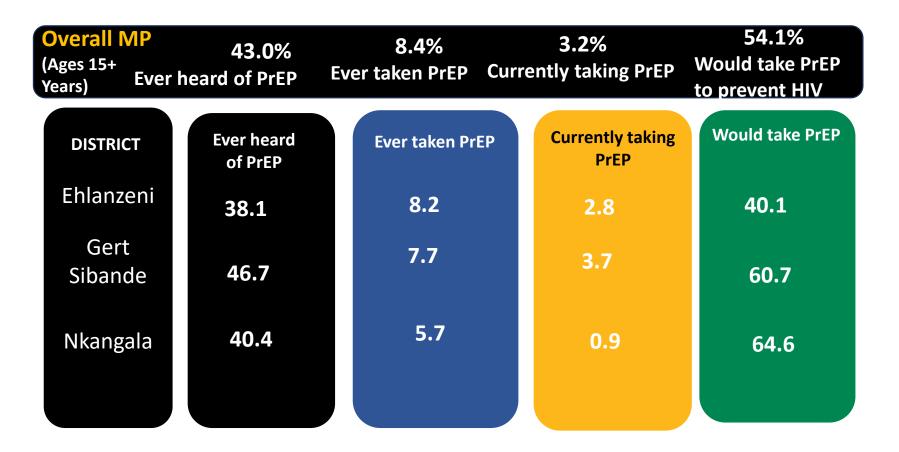






AWARENESS AND UPTAKE OF PRE-EXPOSURE PROPHYLAXIS (PREP) AMONG PEOPLE AGED 15+ YEARS*, MPUMALANGA, 2022





*People aged 15+ years who were HIV-negative or newly diagnosed HIV-positive in the survey









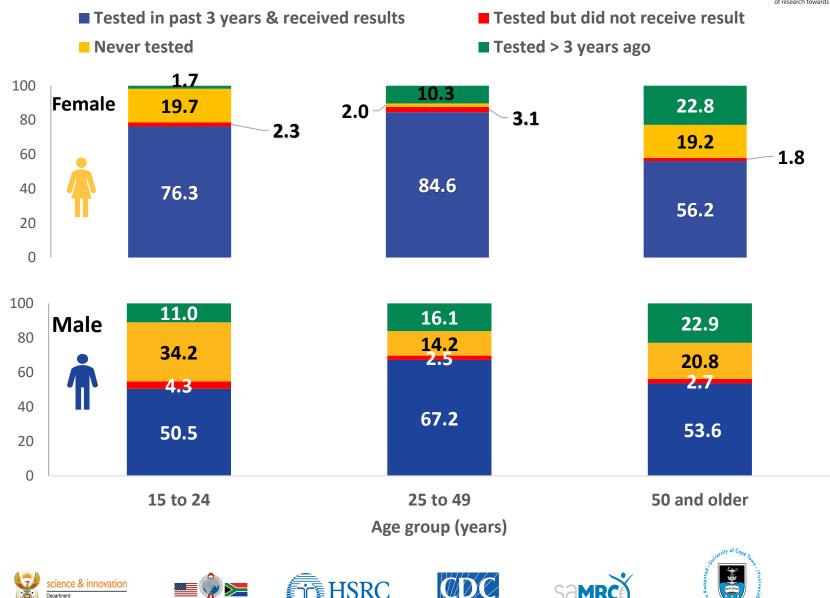




HIV TESTING AMONG PEOPLE AGED 15+ YEARS, BY AGE GROUPS, MPUMALANGA, 2022



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CONCLUSIONS



- A shift in the HIV epidemic curve towards older age categories signals a stabilizing epidemic.
- Disparities in the burden of HIV remain with HIV prevalence 1.5-fold higher among males aged 15–24 years (9.8%) compared to females (6.3%) and 1.6-fold higher among females aged 25–49 years (31.9%) compared to males of the same age group (19.9%).
- There has been an increase in ART coverage and viral load suppression rates between the 2017 and 2022 surveys.
- Circumcision rates among males increased with age, with medical circumcision being the highest compared to traditional circumcision.
- PrEP awareness (43.0%) and uptake (3.2%) was universally low across districts.
 Willingness to take PrEP was also relatively low (54.1%).













Actions for consideration



- A long-term strategy to care for individuals in an aging HIV epidemic.
- Heightened focus on campaigns such as U=U and other strategies to promote uptake and sustained use of ART, especially among young people and adult men.
- Tailored interventions to address the health inequalities affect testing and treatment rates at district levels
- Continued focus on increasing VMMC uptake among uncircumcised males aged 15 years and older.
- Enhancing accurate public awareness of effective HIV prevention measures including, regular HIV testing, condom use and PrEP.













THANK YOU



















CONSORTIUM AND PARTNERS





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science & innovation



U.S. Centers for Disease Control and Prevention (CDC) South African Medical Research Council (SAMRC)

- National Institute for Communicable Diseases (NICD)
- University of Cape Town (UCT)
- National Department of Health (NDoH)
- South African National AIDS Council (SANAC)
- United Nations Children's Fund (UNICEF)
- United States Agency for International Development (USAID)



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