



11-14 June
2019
9th SA AIDS
CONFERENCE
Durban ICC
www.saaid.co.za

Unprecedented Innovations
and Technologies:
HIV and change

Highlights on HIV and AIDS statistics among 10 to 19 year olds in South Africa

Prof Khangelani Zuma, PhD

Executive Director: Social Aspects of Public Health research programme

Human Sciences Research Council, Pretoria

kzuma@hsrc.ac.za

RESEARCH METHODS

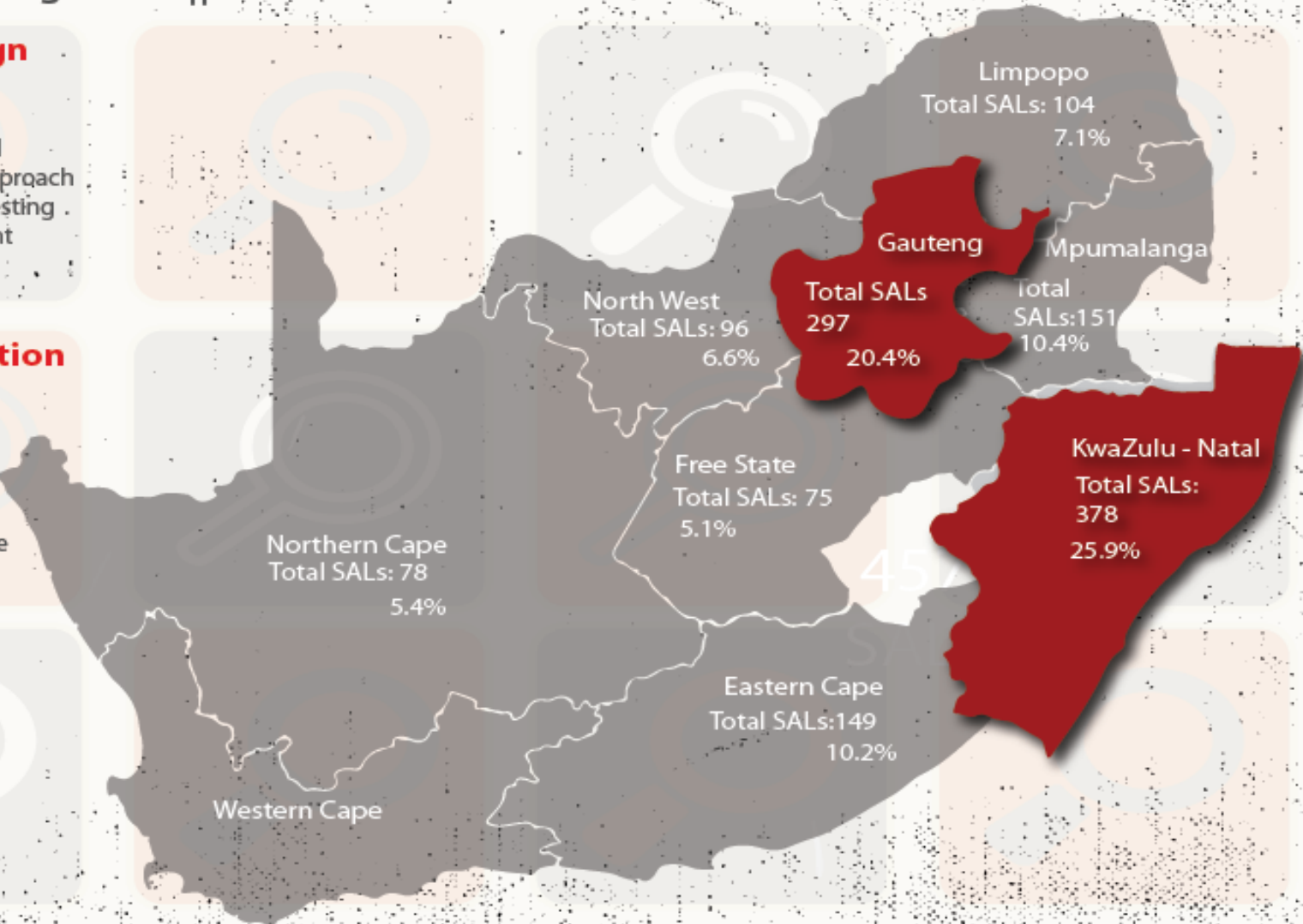
Sampling Frame || SABSSM V - National + 16 District / Metro-level estimates

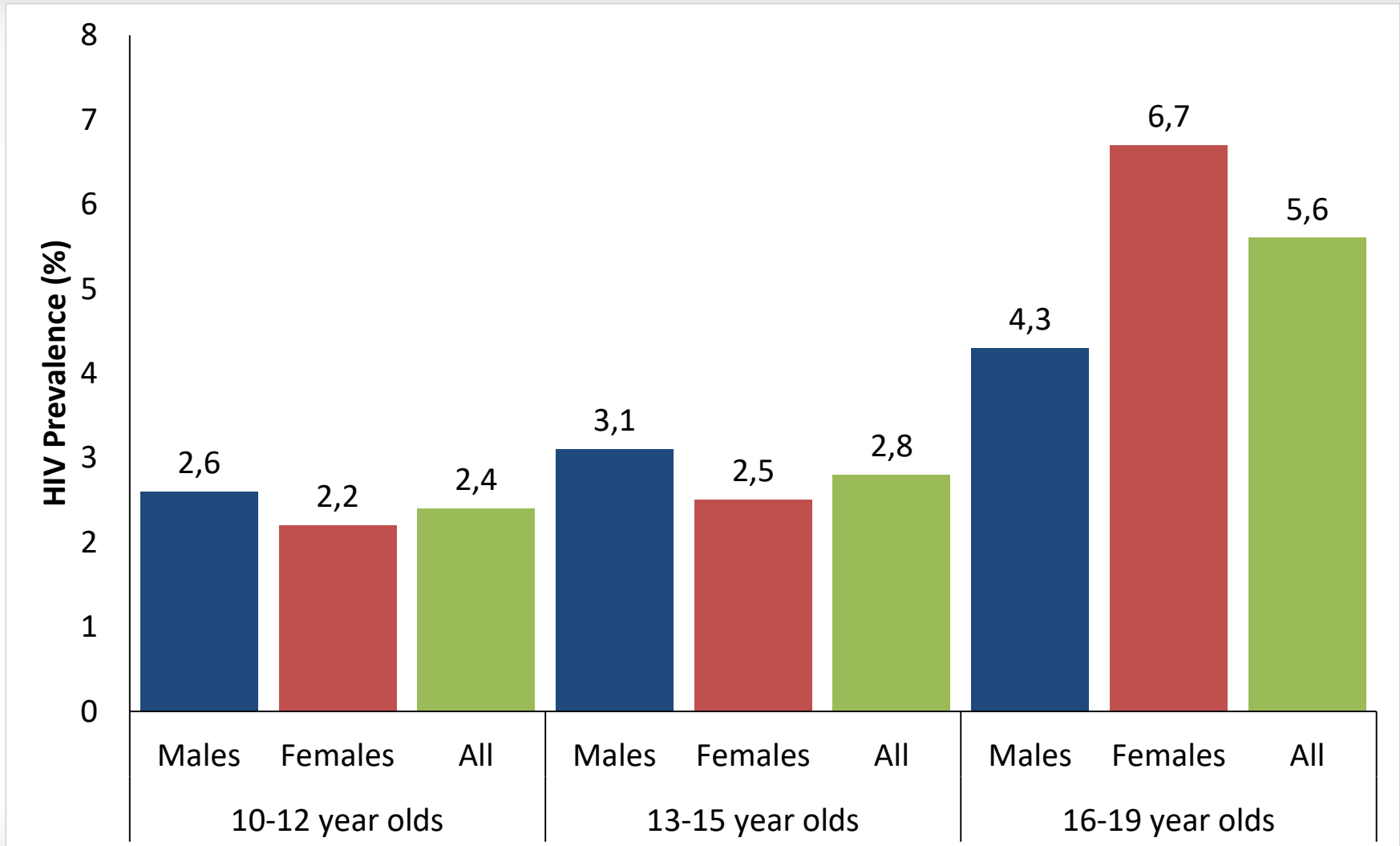
Survey Design

- Cross-sectional
- Population-based
- Multi-stage stratified
- Random sampling approach
- Linked anonymous testing with informed consent

Survey Population

- Person of all ages
- Living in South Africa
- Members of selected households invited to participate in the survey including those living in hostels





- More than 350 000 children of school going age are living with HIV.
- Only half of these are on life saving ARVs in South Africa.
- Majority of these children on ARVs are aged 10 to 12

Age	HIV+	ART	ART%
10 to 12	77 000	33 812	79.9
13 to 15	80 000	28 991	57.7
16 to 19	202 000	78 899	42.3
Total	359 000	142 692	50.7

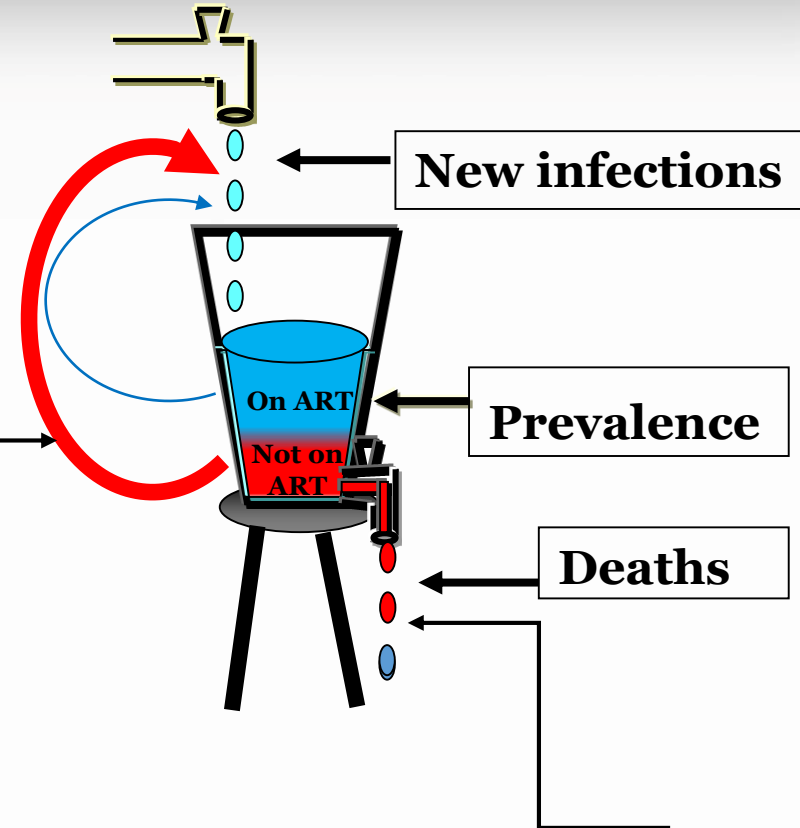
- Less than half of the 16 to 19 years olds in need of ARVs (test and treat policy) are on treatment.

Age	ART Exposure (%)			Viral Suppression (%)		
	Total	Males	Females	Total	Males	Females
10 to 12	79.9	100	65.7	65.1	74.2	55.2
13 to 15	57.7	57.2	58.3	49.1	55.1	40.6
16 to 19	42.3	41.0	43.0	46.5	34.9	54.0
Total	50.7	53.9	48.4	51.1	50.1	52.0

- Viral load suppression threshold of <1 000 copies of HIV per ml in DBS samples
- High exposure to ARVs consistently translated to high viral suppression for both males and females
- 16 to 19 year olds show lowest levels of viral suppression

What does this mean for 10 to 19 year olds

- Half of this urn is red for 10 to 19 year olds
- Just less than half (48.9%) of this urn is made up of children with high viral load
- This urn has a lot more children that if they had unprotected sexual intercourse with their peers they are more likely to pass the virus on to them
- If for example the 13 to 15 years olds that are currently not on treatment (42.3%) remain out of treatment when they are 16 to 19 as their chance to be on treatment is only 42.3%, it will not be surprising to see an increase in mortality in this age group or immediately thereafter

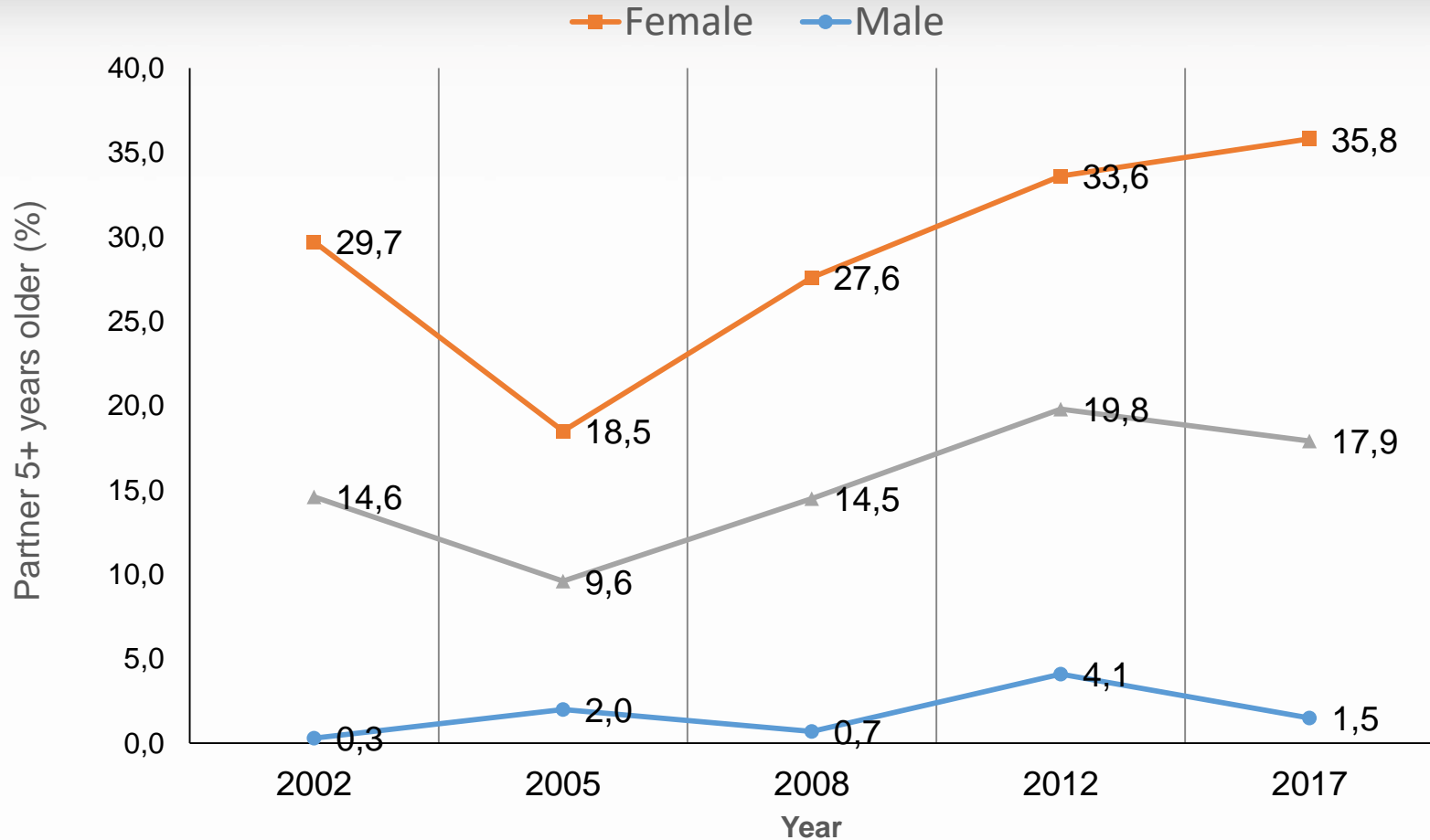


Ever had sex and condom use at sexual debut

	Ever had sex	Condom use at sexual debut? (%)	
Age	Yes (%)	Yes	Can't remember
10 to 12	0.2	0.0	49.3
13 to 15	5.7	69.3	2.7
16 to 19	41.2	75.1	50.7
Total	21.8	74.4	1.0

- 21.8% of 10 to 19 year olds ever had sexual intercourse
- At least 74.4% used condom at sexual debut

Age-disparate sexual relationships in 15-19 years age group by sex, South Africa, 2002-2017



*Numbers reported for males with a partner 5 or more years older than them are few and should be interpreted with caution

- Need to strengthen HIV prevention among 10 to 19 year olds
- Improve access to treatment but more importantly those on treatment must be kept on treatment.
- It is concerning that 10 to 19 year olds engage in sex without condoms, more so since their peers are also risky given low viral suppression levels.
- Age disparate sexual partnerships especially among young women needs to be addressed



U.S. President's Emergency Plan for AIDS Relief (PEPFAR)
through the U.S. CDC (Cooperative Agreement #GH001629)

Department of Science and Technology, South African National AIDS Council, Global Fund, Right to Care, UNICEF, Centre for Communication Impact, Soul City, LoveLife

The findings and conclusions in this presentation are those of the author(s) and do not necessarily represent the official position of the CDC.

The mark "CDC" is owned by the US Dept. of Health and Human Services and is used with permission. Use of this logo is not an endorsement by HHS or CDC of any particular product, service, or enterprise.

THANK
YOU

