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Update on South African HIV and TB epidemiology

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Background

- UNAIDS has set the target of
 - 90% knowledge of HIV status among PLHIV by 2020
 - 90% ART uptake in diagnosed PLHIV by 2020
 - 90% viral suppression in ART patients by 2020
- UNAIDS has also set the target of a 75% reduction in annual new infections between 2010 and 2020.
- Global TB Plan has set the target of
 - 90% of people with TB treated, 90% coverage of TB prevention, by 2022
 - 90% of people in key populations reached, by 2022
 - 90% success among people diagnosed with TB, by 2022



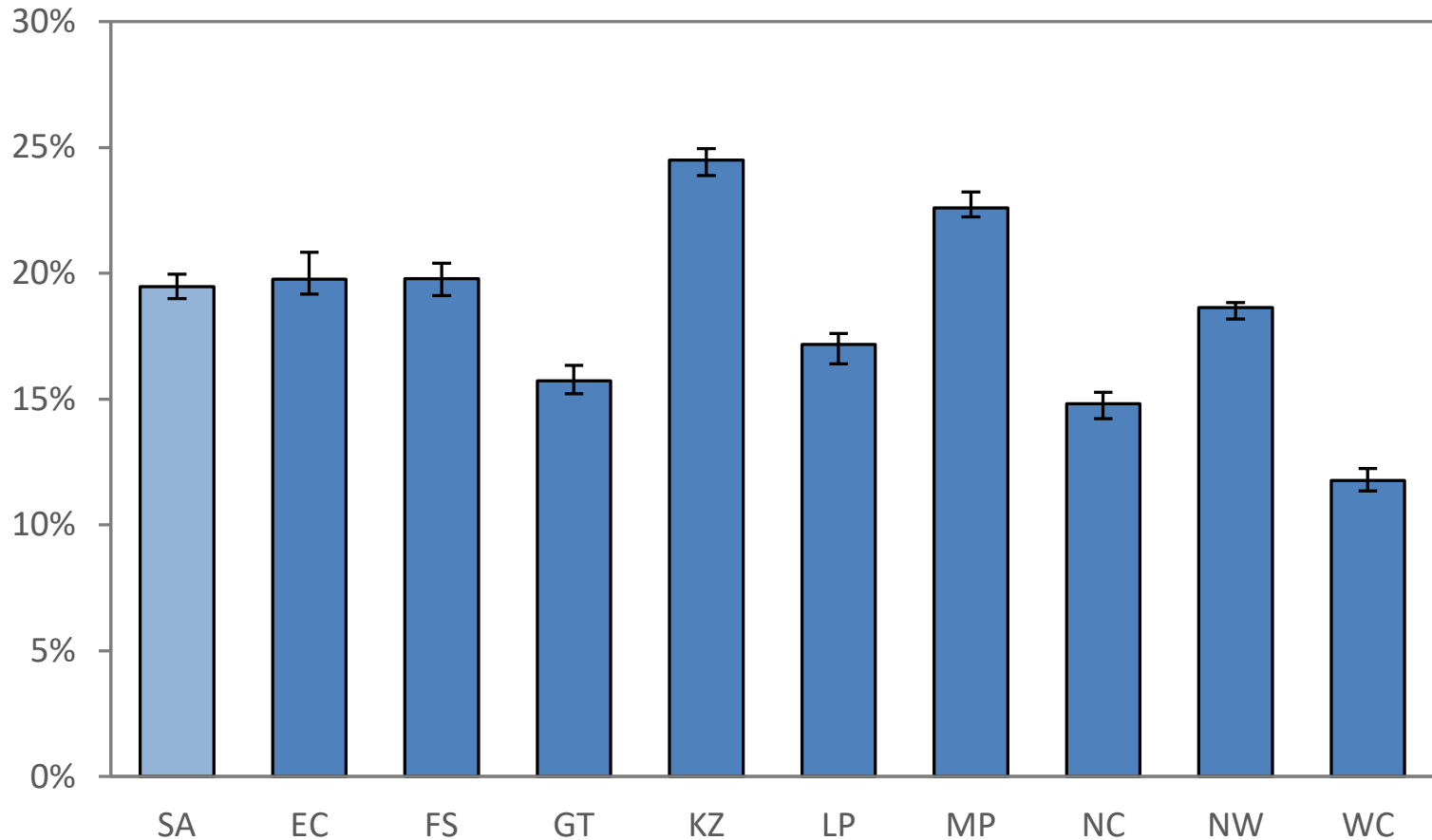
Key HIV indicators

- Total HIV infections in 2020: 7.9 million (7.7-8.1 million)
- Total paediatric HIV infections: 280 000 (265 000-297 000)
- New infections in 2019-20: 232 000 (211 000-251 000)
- MTCT in 2019-20: 11 200 (10 200-12 200)
- HIV-related deaths in 2019-20: 76 000 (70 000-82 000)
- % of HIV+ individuals diagnosed in 2020: 92.4% (92.0-92.9%)
- % of HIV-diagnosed individuals on ART: 71.9% (70.7-73.0%)
- % of ART patients with VL <1000: 91.2% (90.5-91.9%)
- ART coverage in 2020: 66.4% (65.1-67.7%)
- % of all HIV+ with VL <1000: 60.6% (59.3-61.9%)

Source: Thembisa 4.4 (www.thembisa.org)



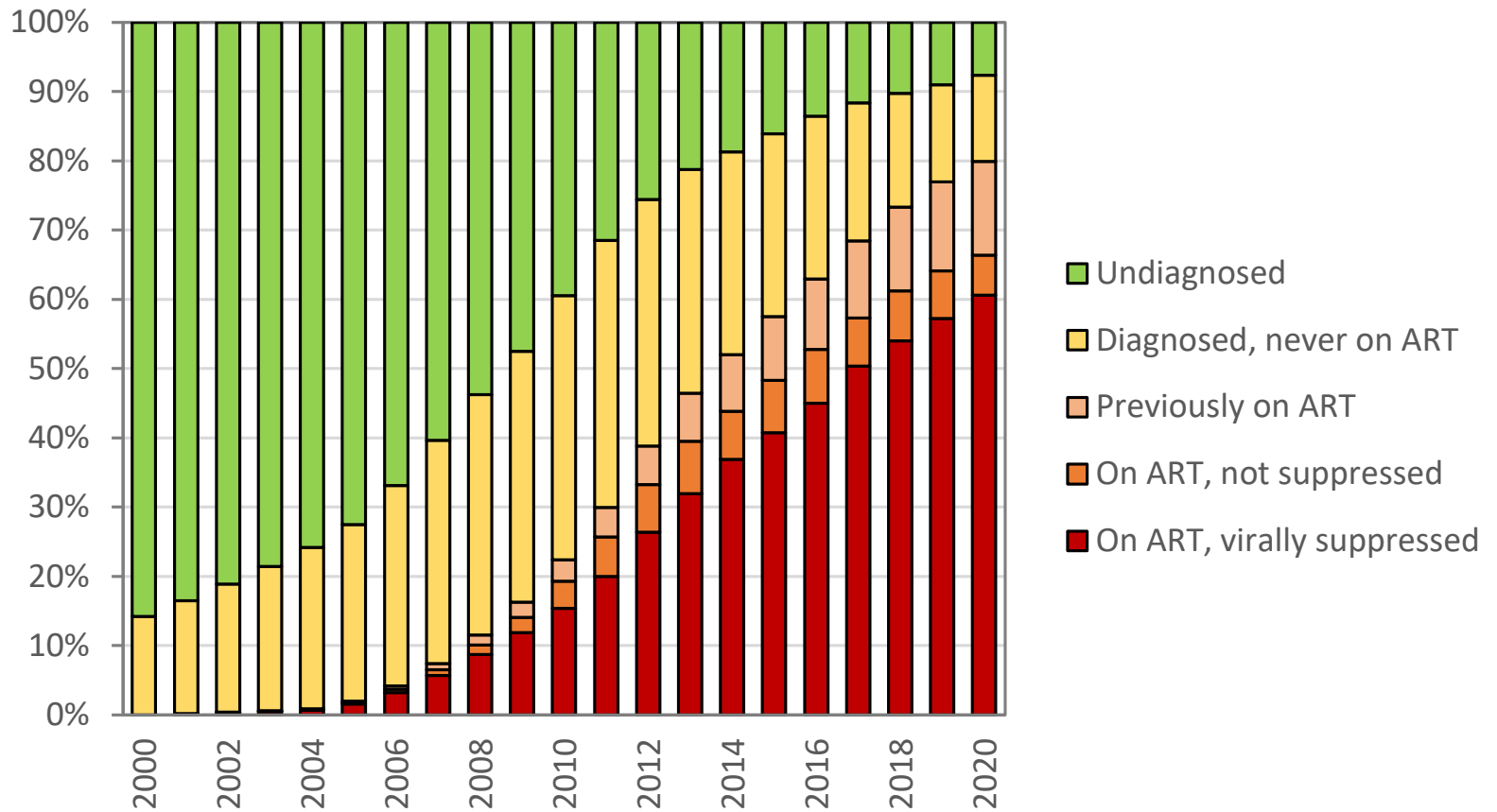
HIV prevalence in 2020, ages 15-49



Source: Thembisa 4.4 (www.thembisa.org)



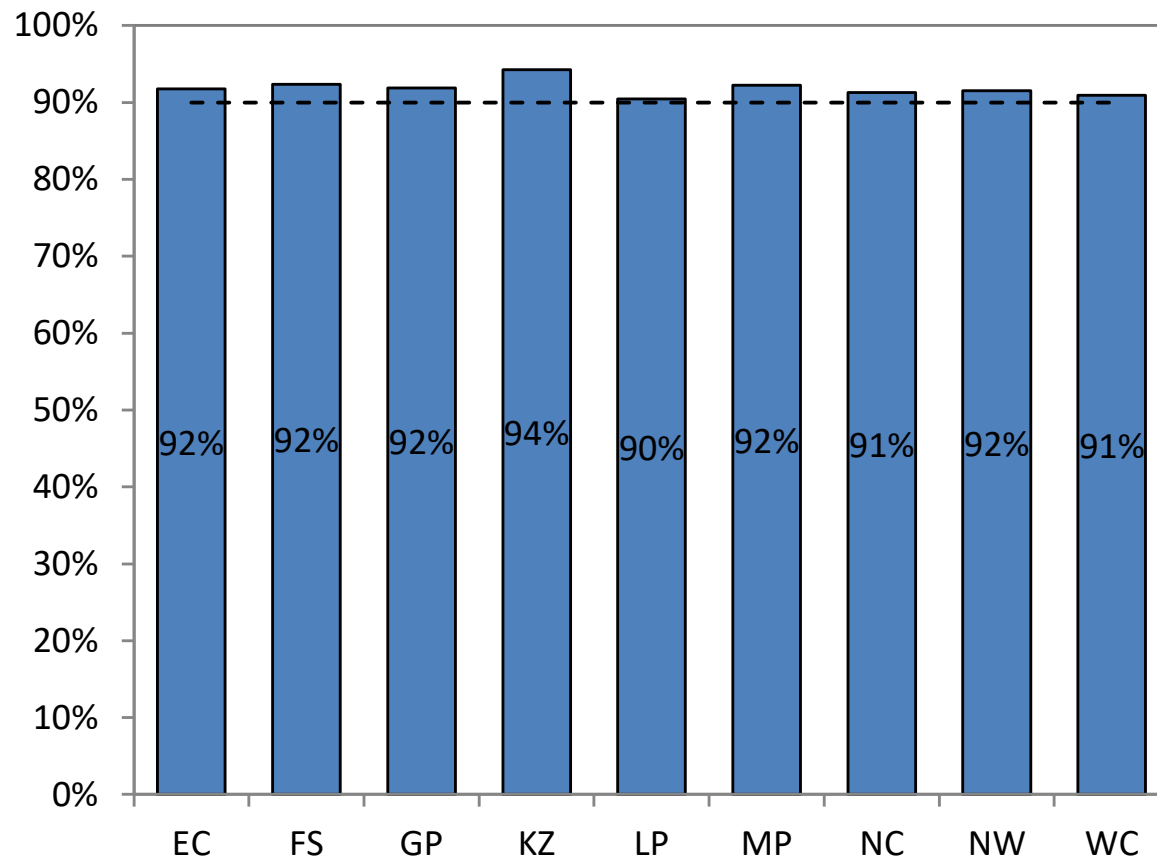
Changing engagement in HIV care



Source: Thembisa 4.4 (www.thembisa.org)



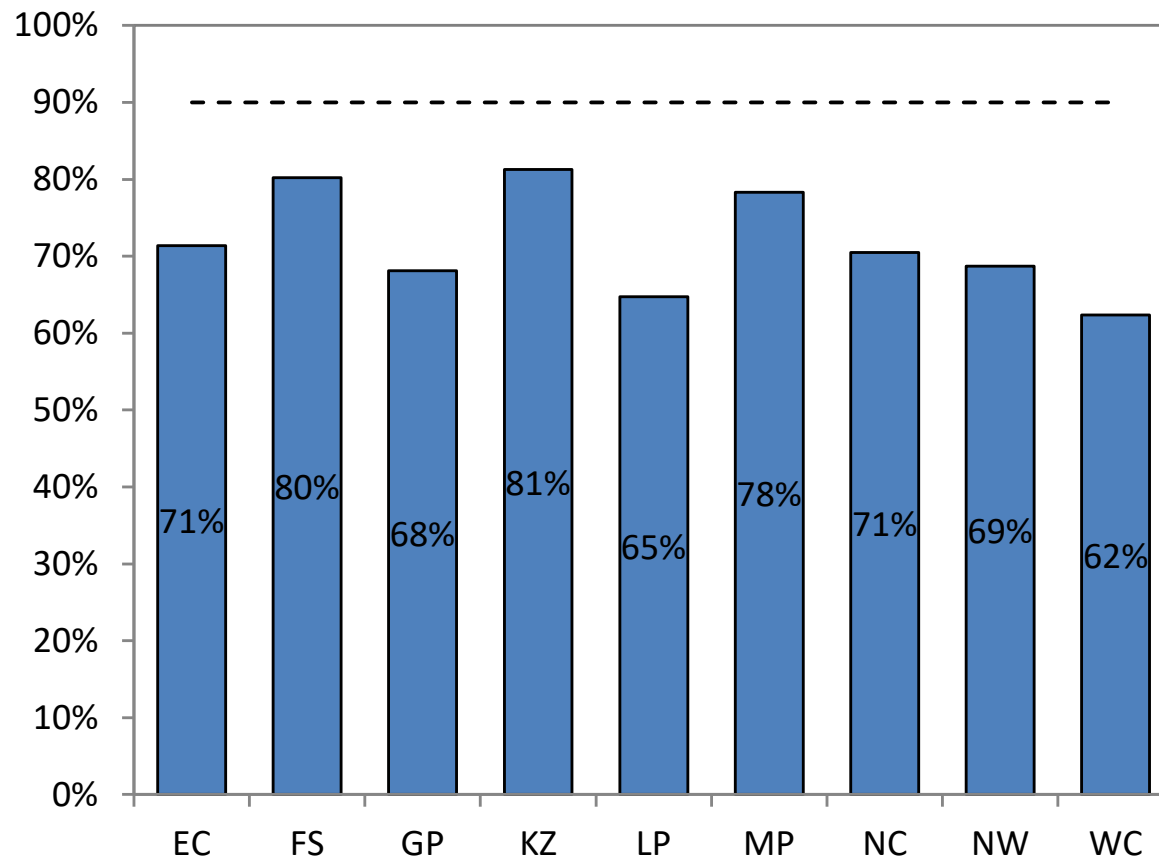
% of PLHIV diagnosed in 2020



Source: Thembisa 4.4 (www.thembisa.org)



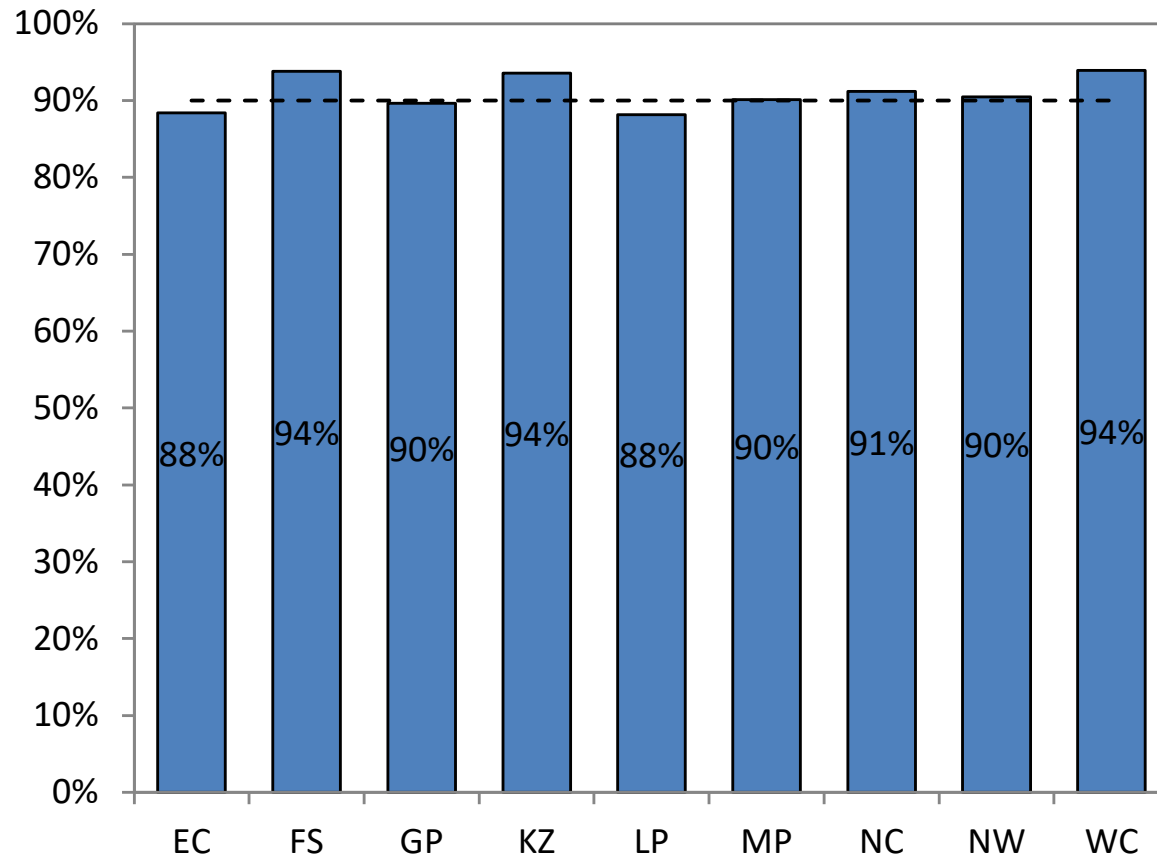
% of diagnosed PLHIV on ART in 2020



Source: Thembisa 4.4 (www.thembisa.org)



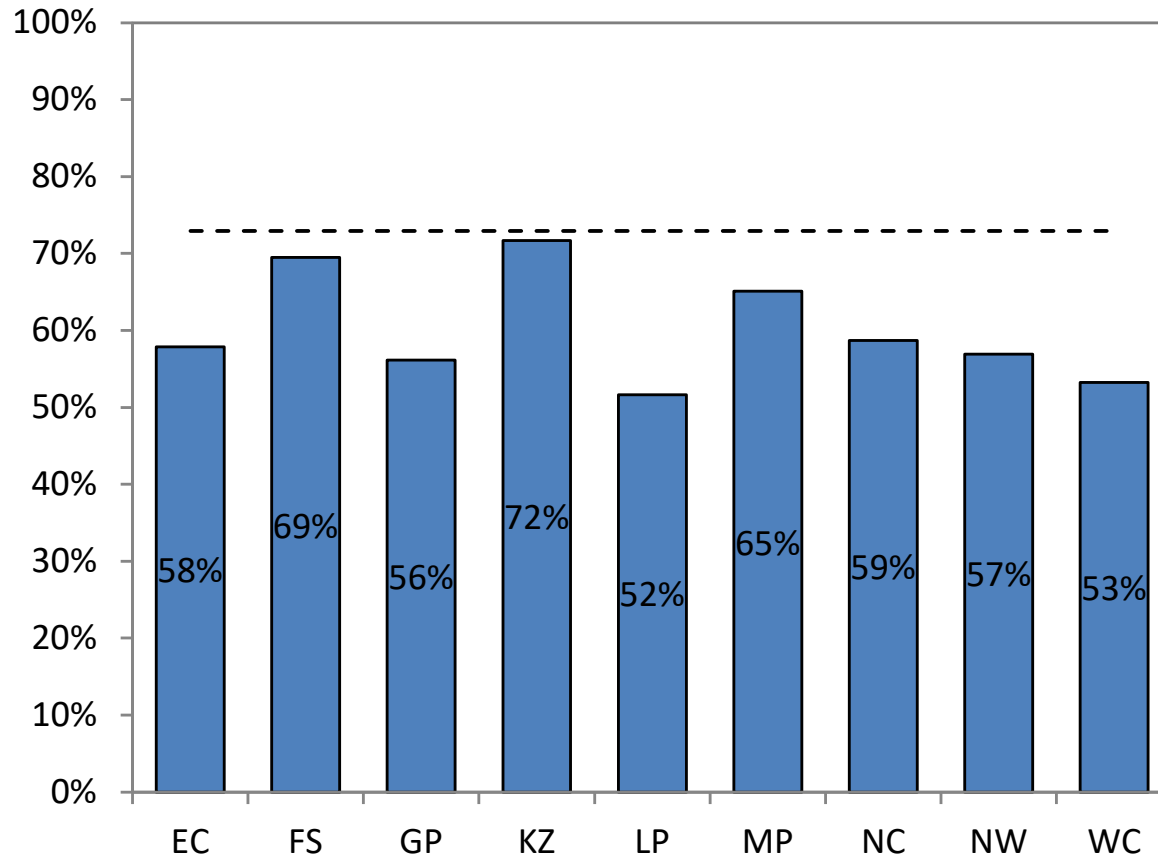
% viral suppression (<1000) in 2020



Source: Thembisa 4.4 (www.thembisa.org)



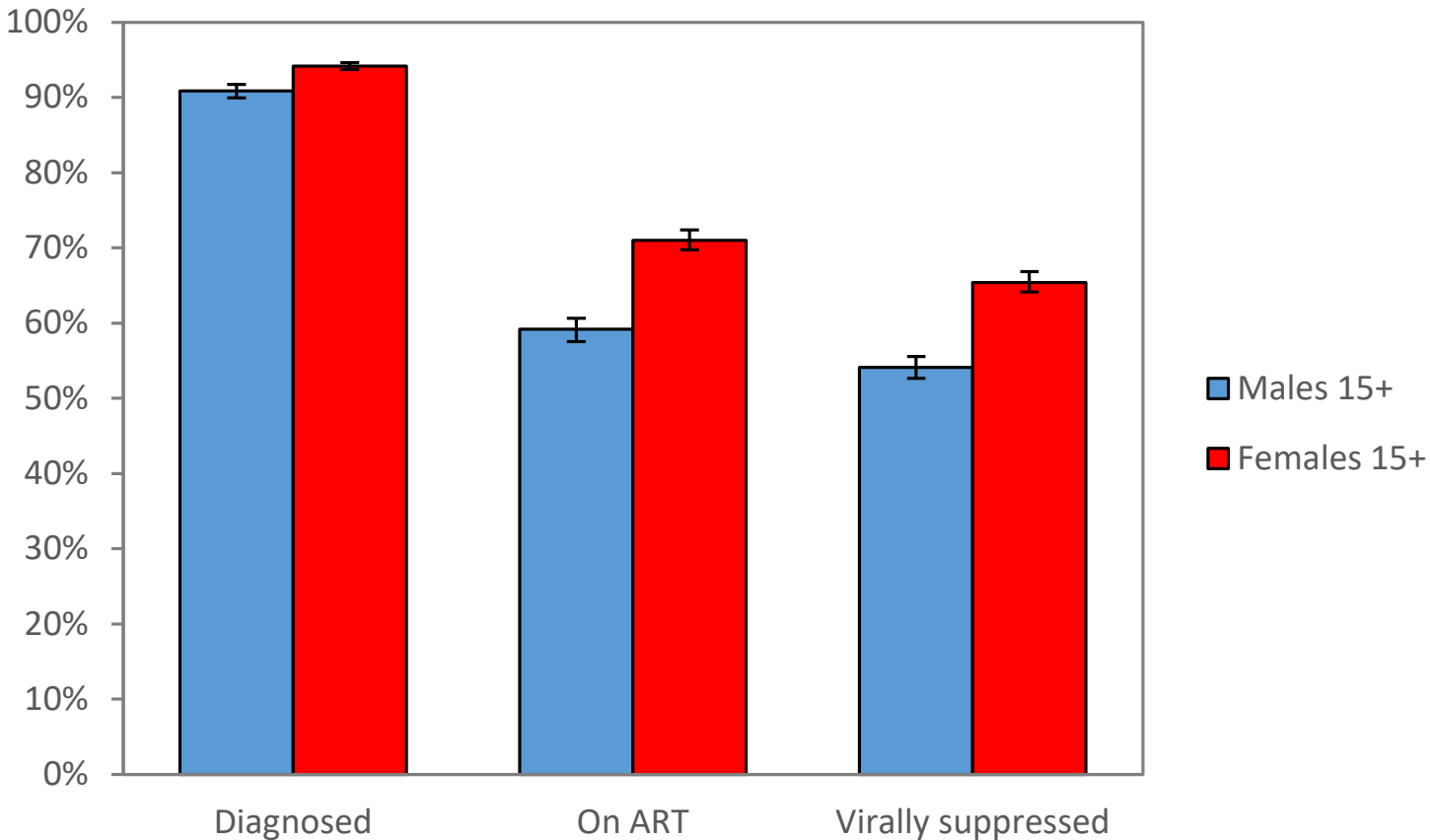
% of all PLHIV with viral load <1000 in 2020



Source: Thembisa 4.4 (www.thembisa.org)

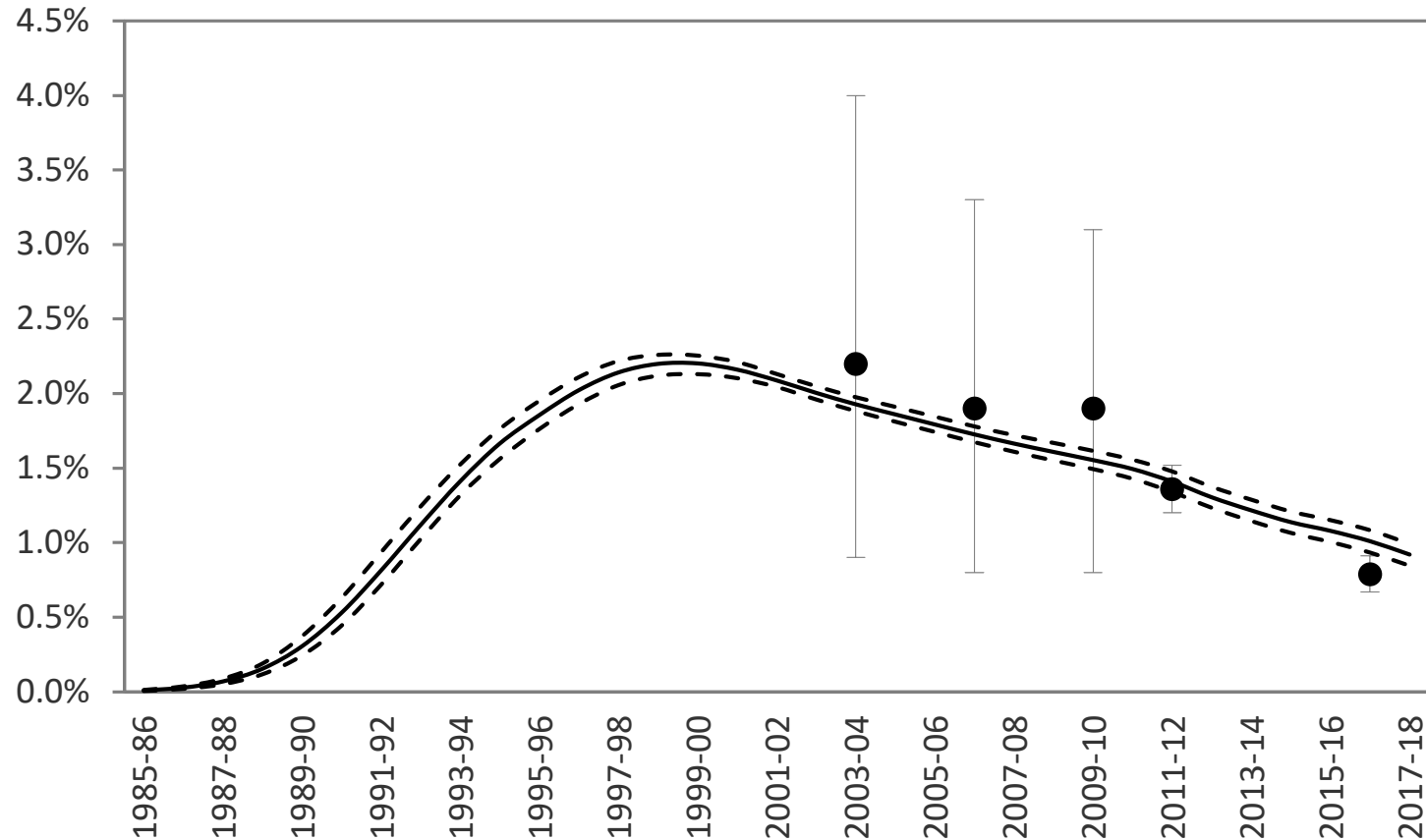


Sex differences in HIV care, 2020



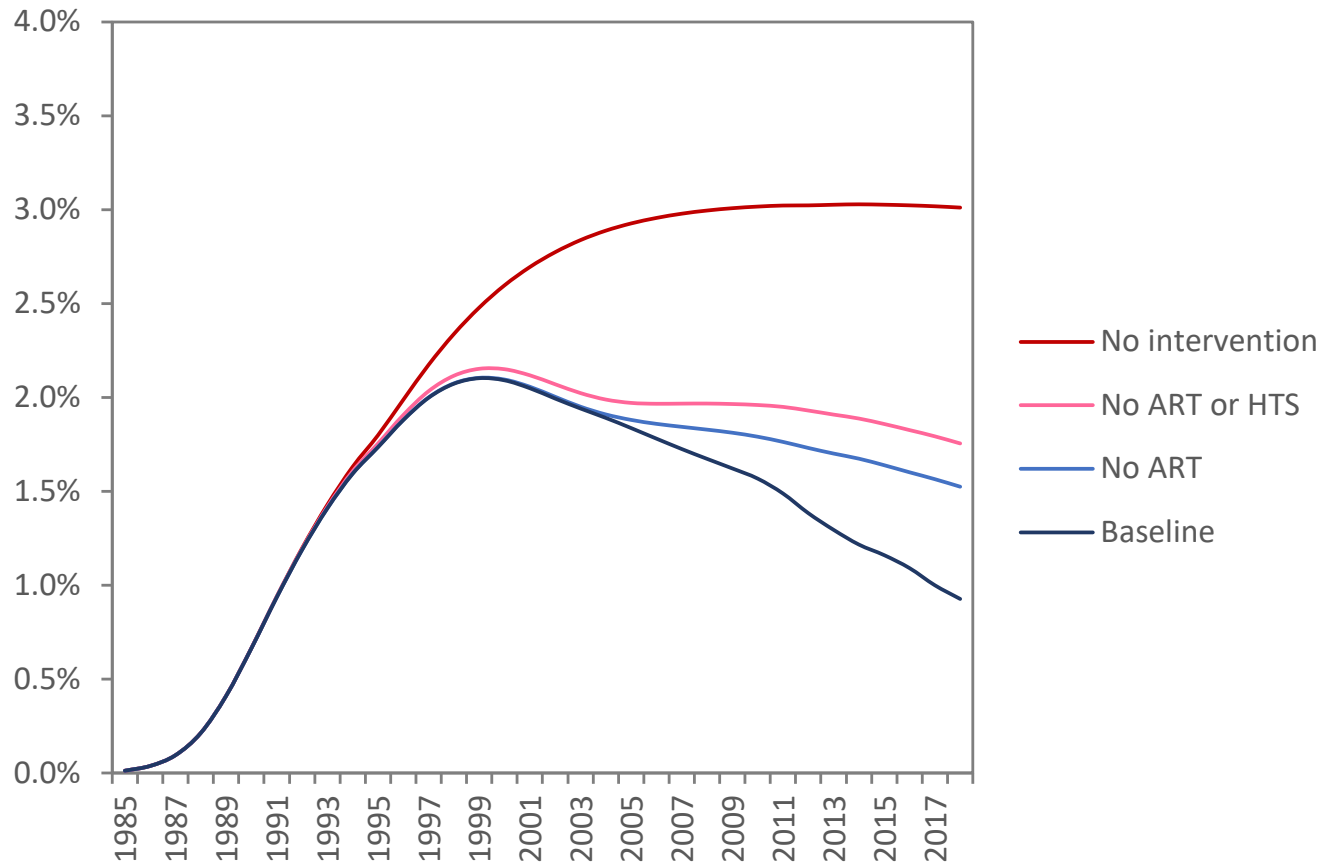
Source: Thembisa 4.4 (www.thembisa.org)

HIV incidence trends, ages 15-49

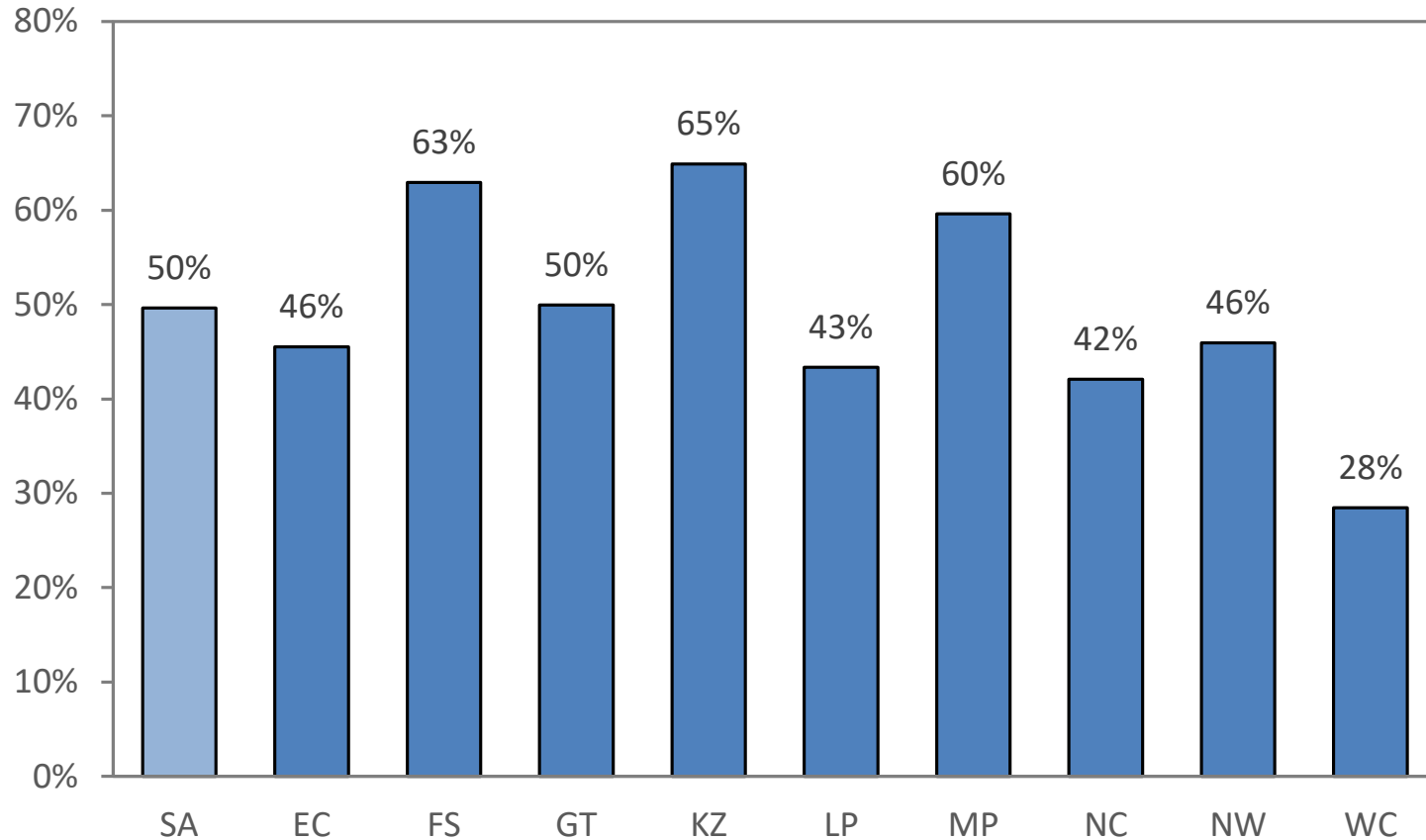


Source: Thembisa 4.4 (www.thembisa.org)

Impact of HIV programmes on HIV incidence, ages 15-49



% reduction in HIV incidence 2010-2020 (ages 15-49)



Source: Thembisa 4.4 (www.thembisa.org)



South African TB statistics

- National TB prevalence survey in 2018 found pulmonary TB prevalence in adults (15+) to be 852 per 100 000.
 - Higher in men than in women (1094 vs 675 per 100 000).
 - Prevalence to notification ratio: 1.75
- Most recent WHO report estimates that in 2019 SA had 58% treatment coverage (TB notifications / TB incidence).
 - Treatment success rate of 71% in 2019.
 - % of newly enrolled HIV-positive patients starting IPT: 69%.



Conclusions

- SA has achieved the first and third of the UNAIDS 90-90-90 targets, but has not achieved the second 90% target.
 - Failure to reach the second 90 reflects challenges both in linking to ART after diagnosis and retaining patients on ART after initiation.
 - Variable success across provinces, with KZN performing best.
 - Low uptake of testing and ART in men is a concern.
- HIV incidence rates have declined by 50% over 2010-20 period, largely due to ART and condoms.
- Progress towards 2022 TB targets is poor.



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For more on Thembisa, see

www.thembisa.org

