



Retention and virological outcomes from a PMTCT programme in rural Zimbabwe: 2013 to 2015

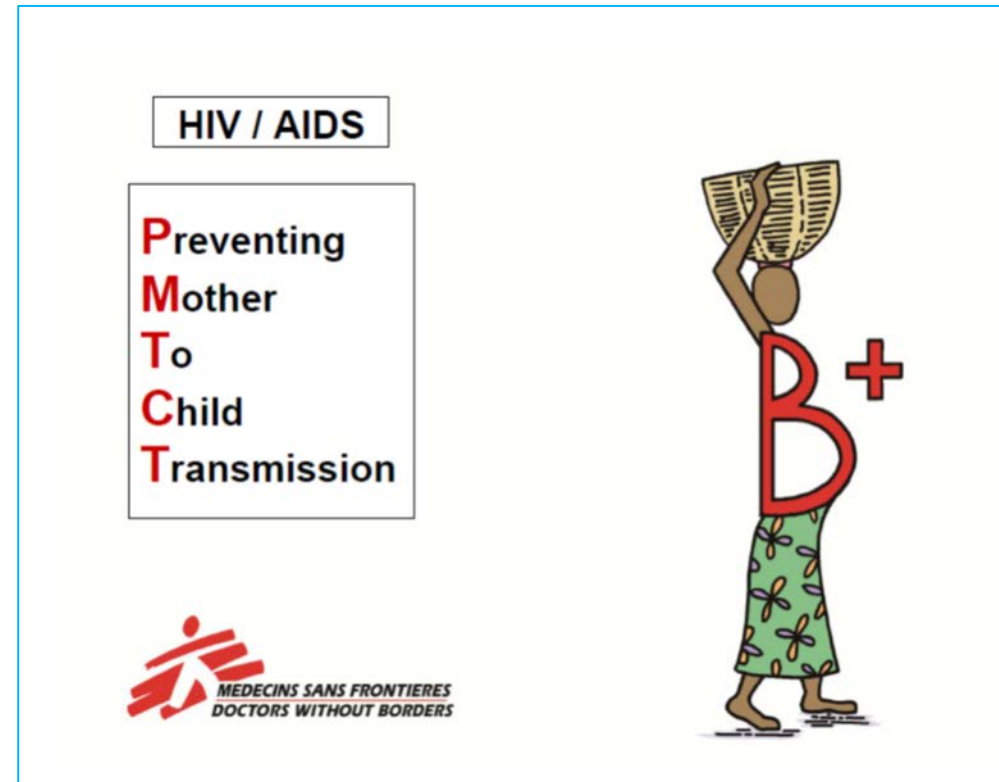
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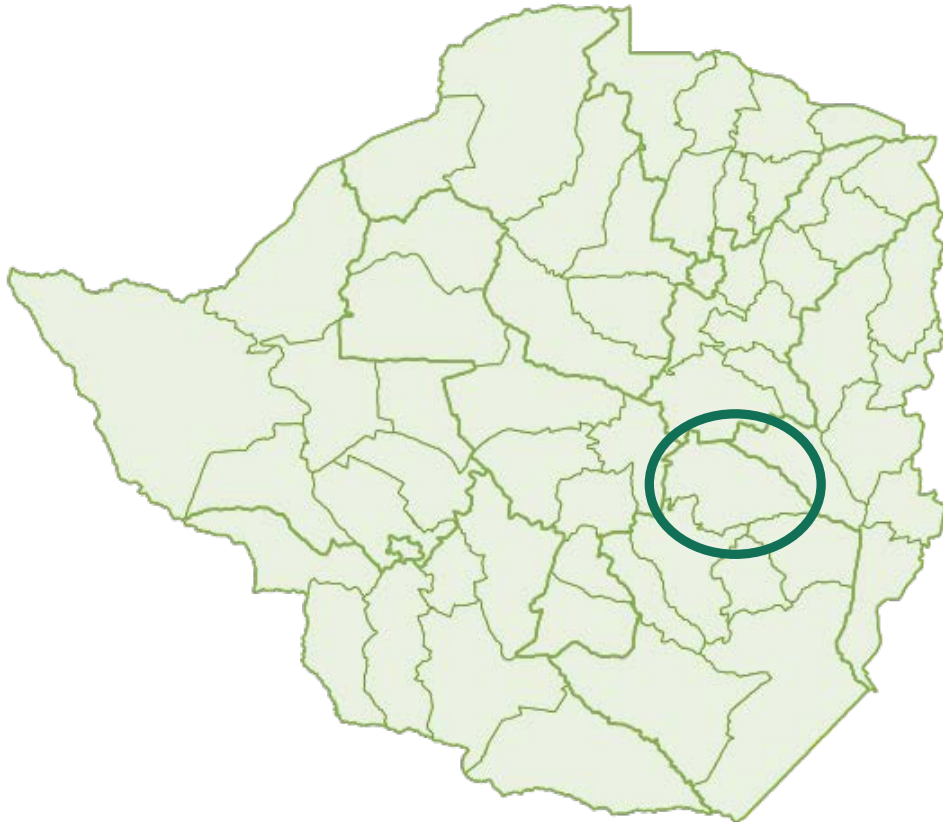
²*Medécins Sans Frontières, Southern Africa Medical Unit*

Background

- PMTCT Option B+ introduced in Gutu District, Zimbabwe in July 2013
- Adapted counselling for women entering the PMTCT Option B+ programme, including a rapid ART initiation session
- Viral load testing 3 & 12 months after starting ART, & then annually



Setting: Gutu District, Zimbabwe



- Rural district in Eastern Zimbabwe
- Population: 203 533
- HIV Prevalence: 14.5%
- Analysis included information from 1 district hospital and 9 primary care facilities
- Women aged 15 to 45 years at ART initiation
- Started ART between August 2013 & June 2015, while pregnant or breastfeeding

Objectives

To determine:

- Retention in care (RIC) among women initiated on ART in the PMTCT B+
- Reasons for loss-to-follow-up (LTFU) and factors associated with LTFU
- Viral load coverage & virological suppression 3 and 12 months after starting ART

Methods

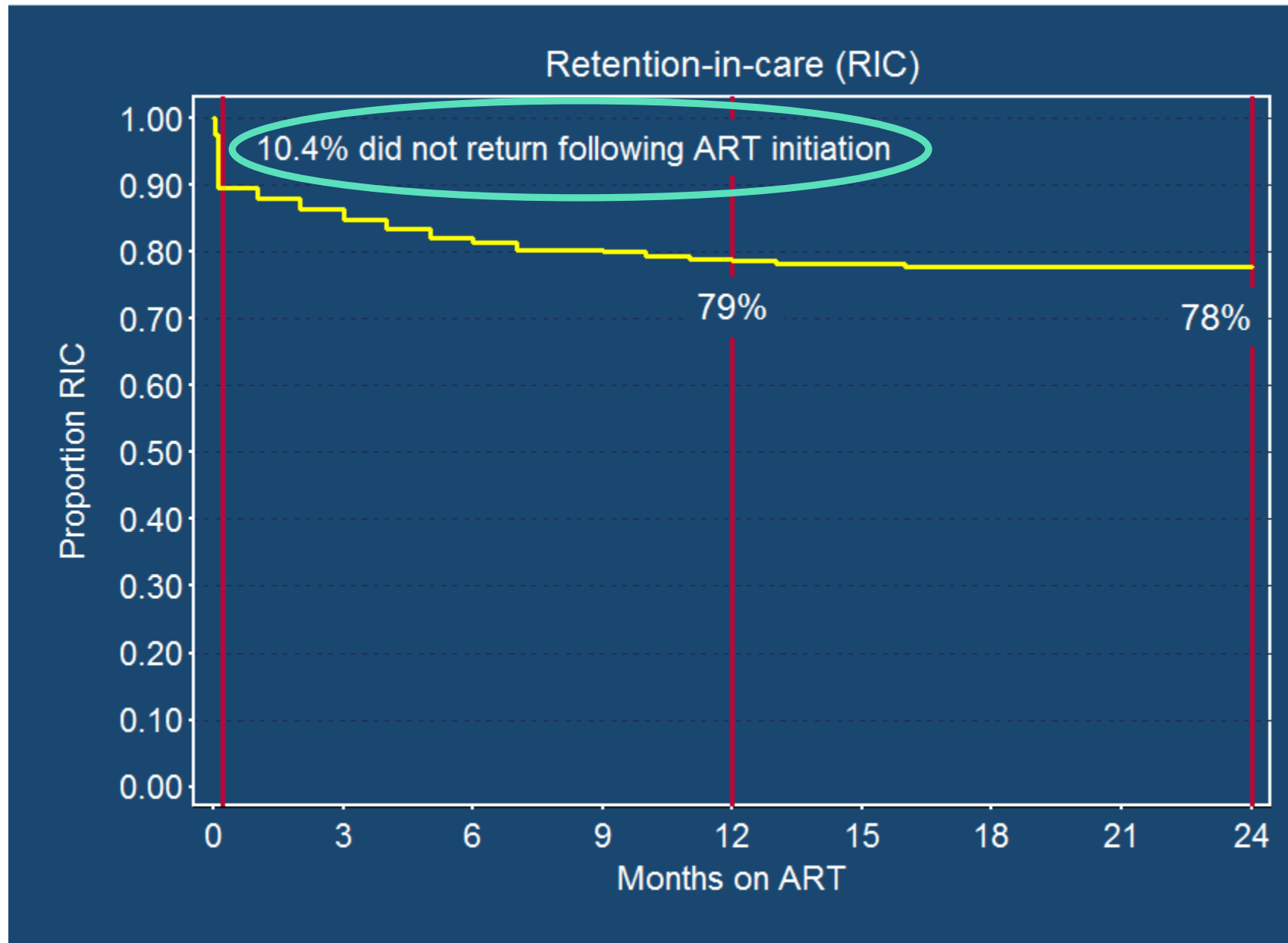
- Analyzed electronic medical records in an M&E database & viral load results in a lab database
- Tracing of a sample of 200 women LTFU carried out by phone & home visits by community health workers (CHWs)

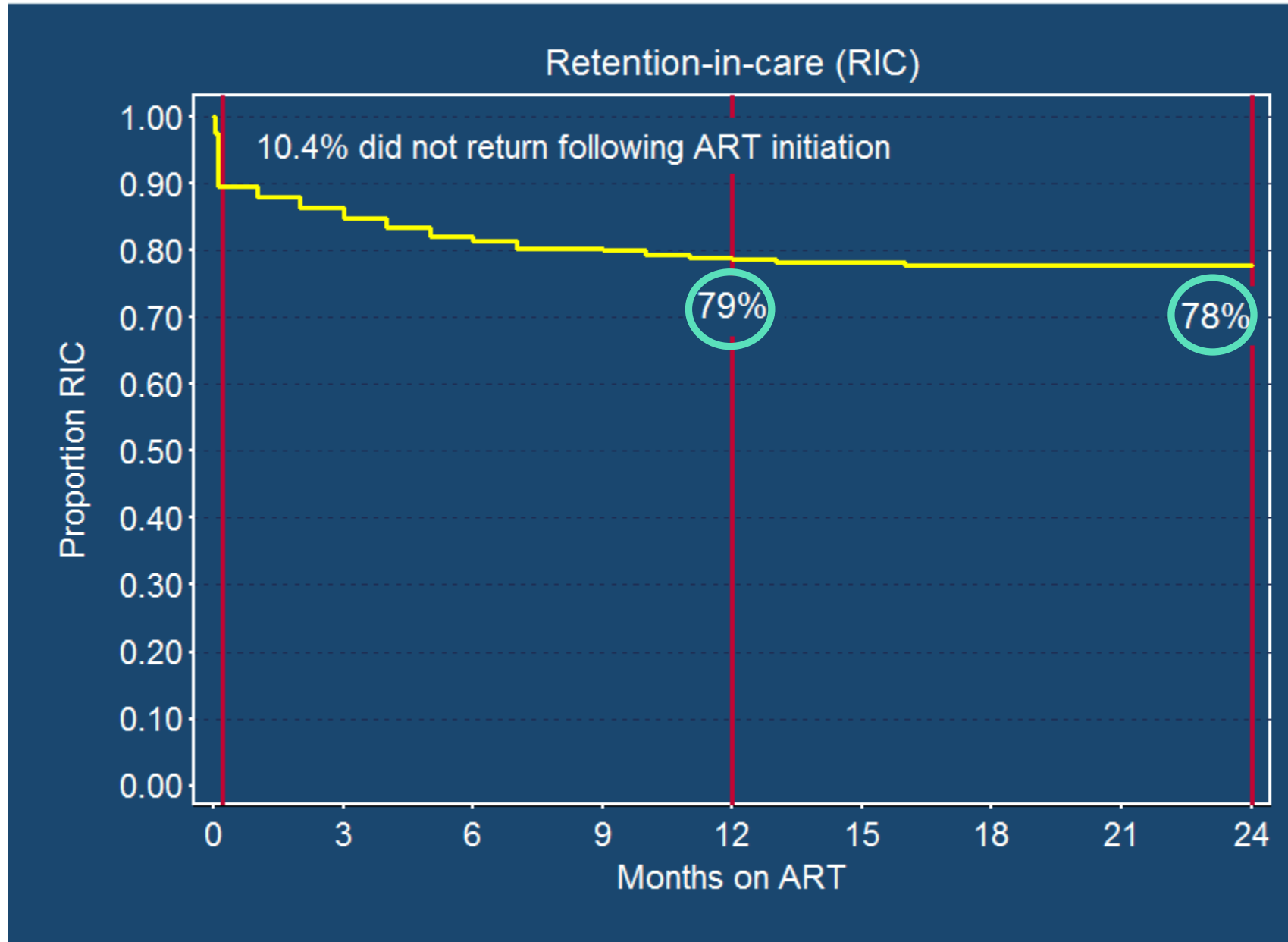
Characteristics of women included in the analysis

Age in years, median (IQR)	28 (22 to 33)
Pregnant at initiation, n (%)	435 (73.5%)
WHO Stage 1 or 2, n (%)	574 (98.0%)
CD4 > 500 cells/ μ l, n (%)	142 (43.7%)

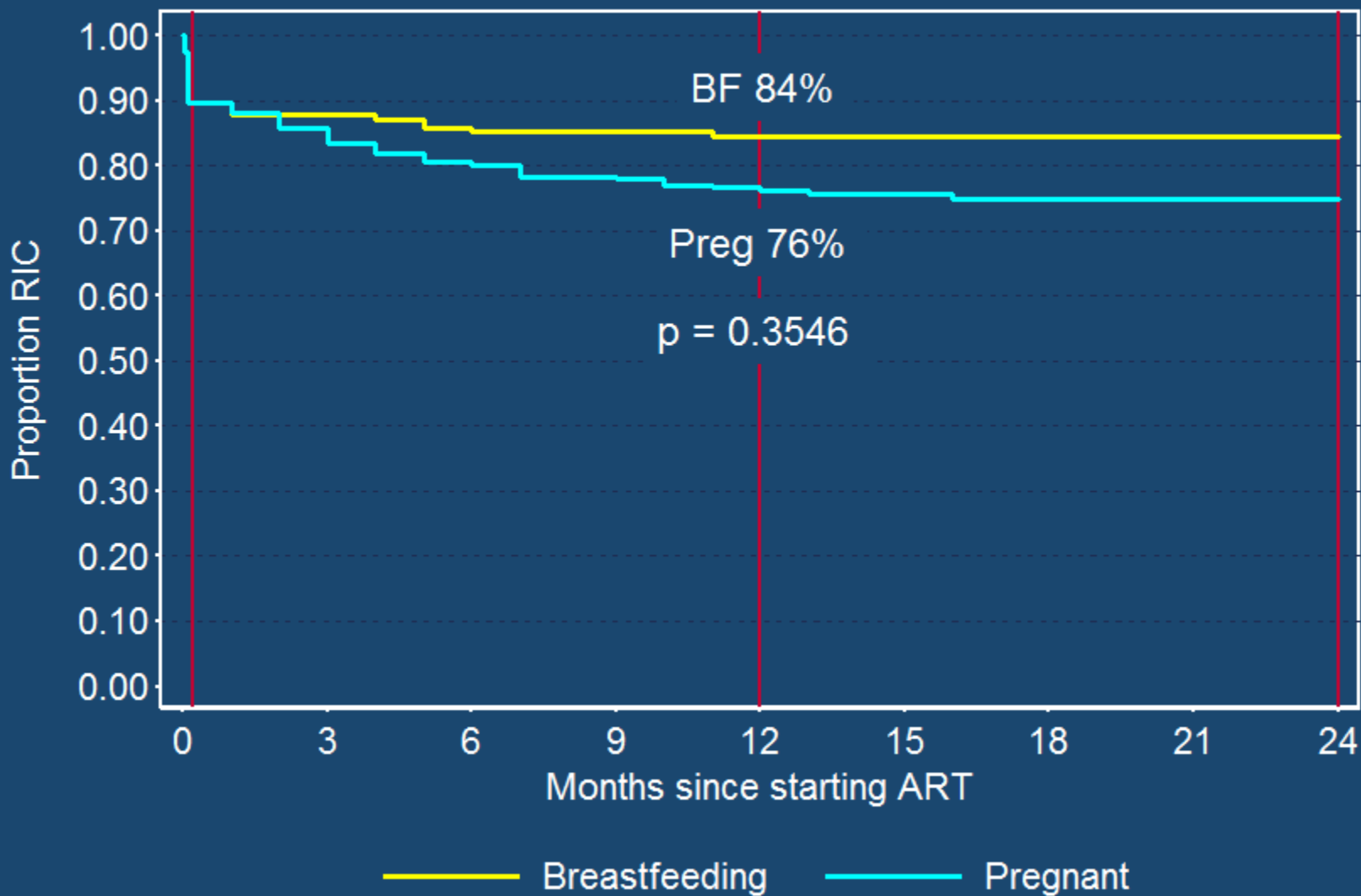
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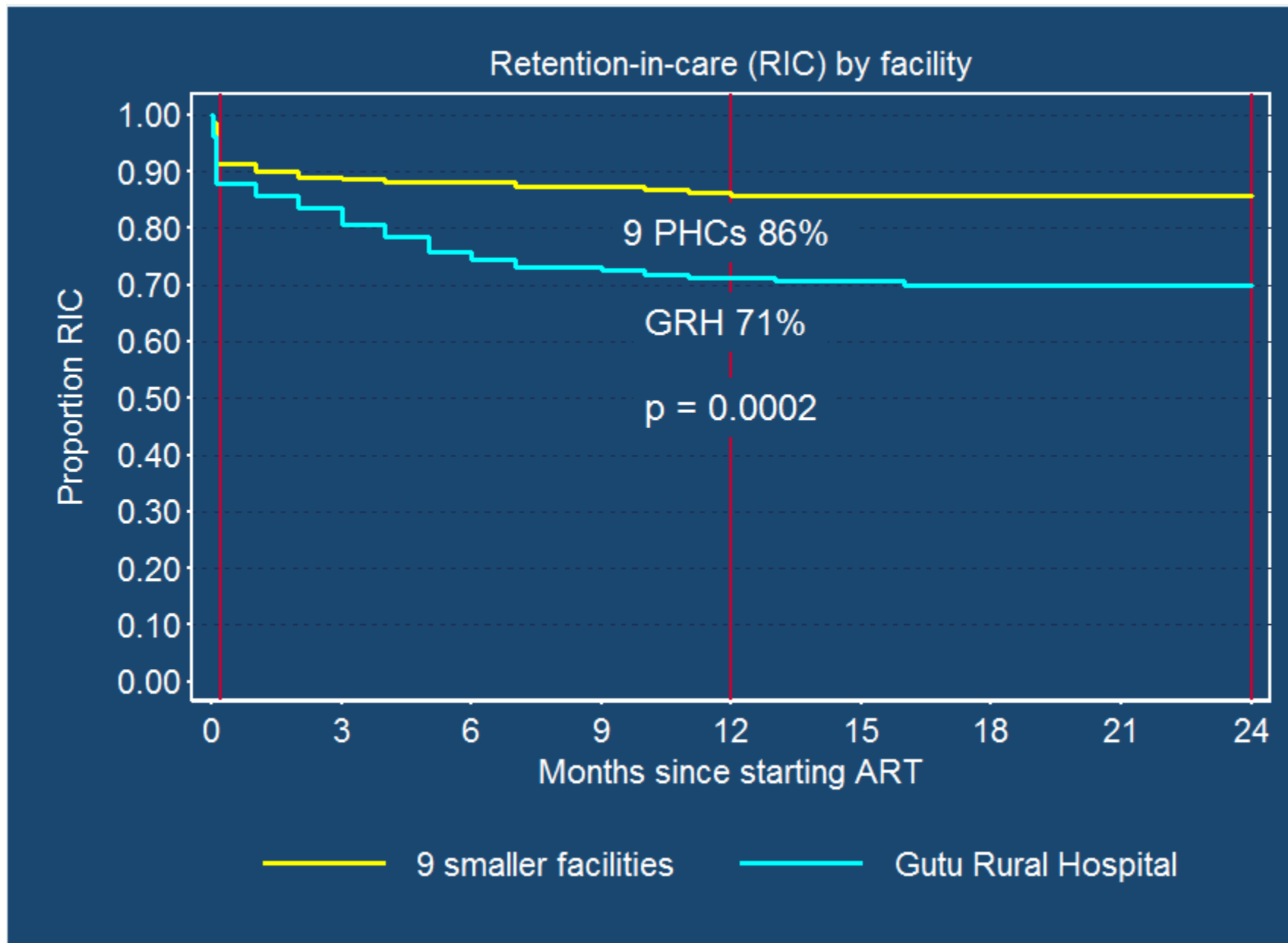
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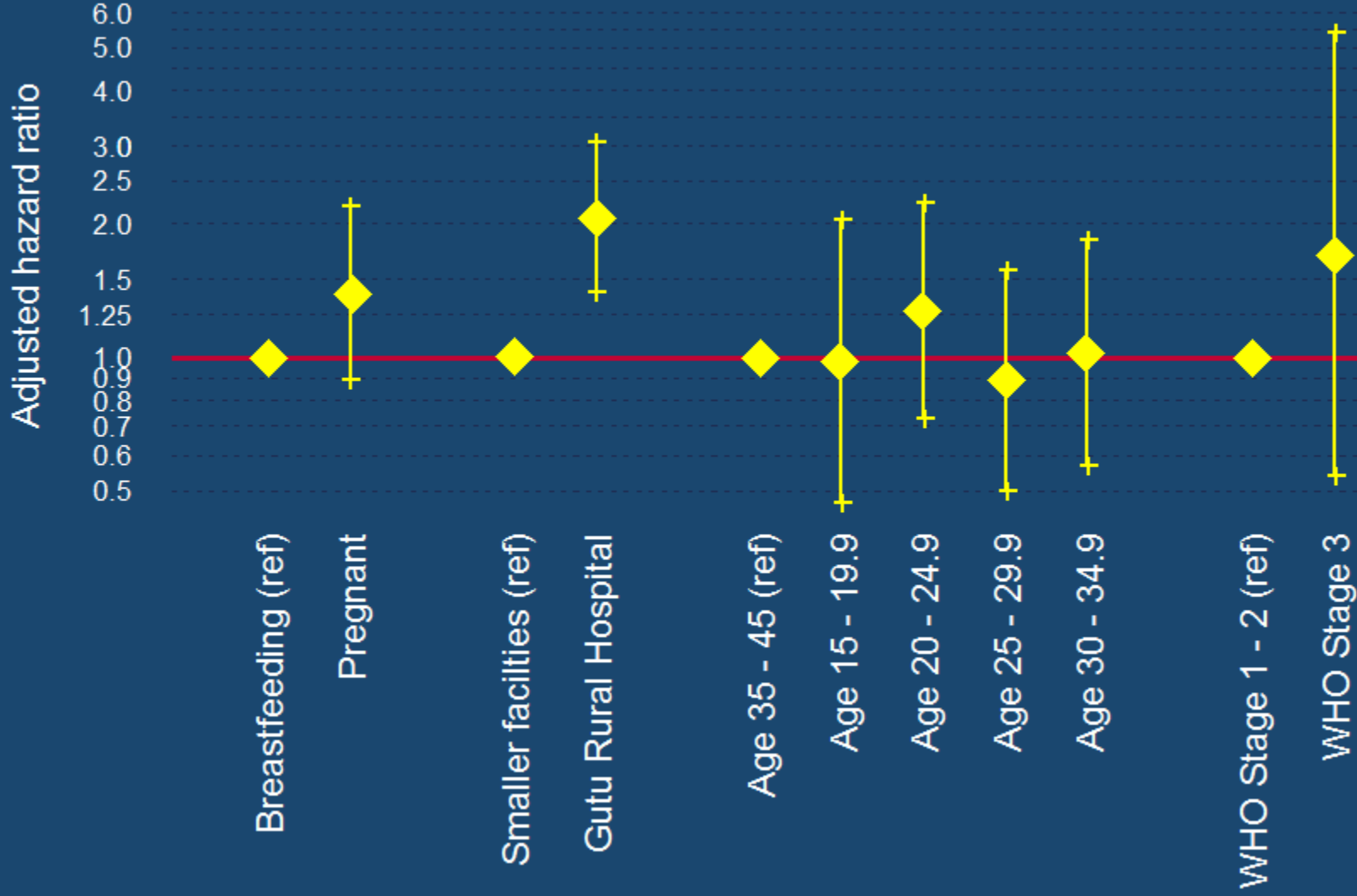


Retention in care (RIC) by pregnancy status at ART initiation

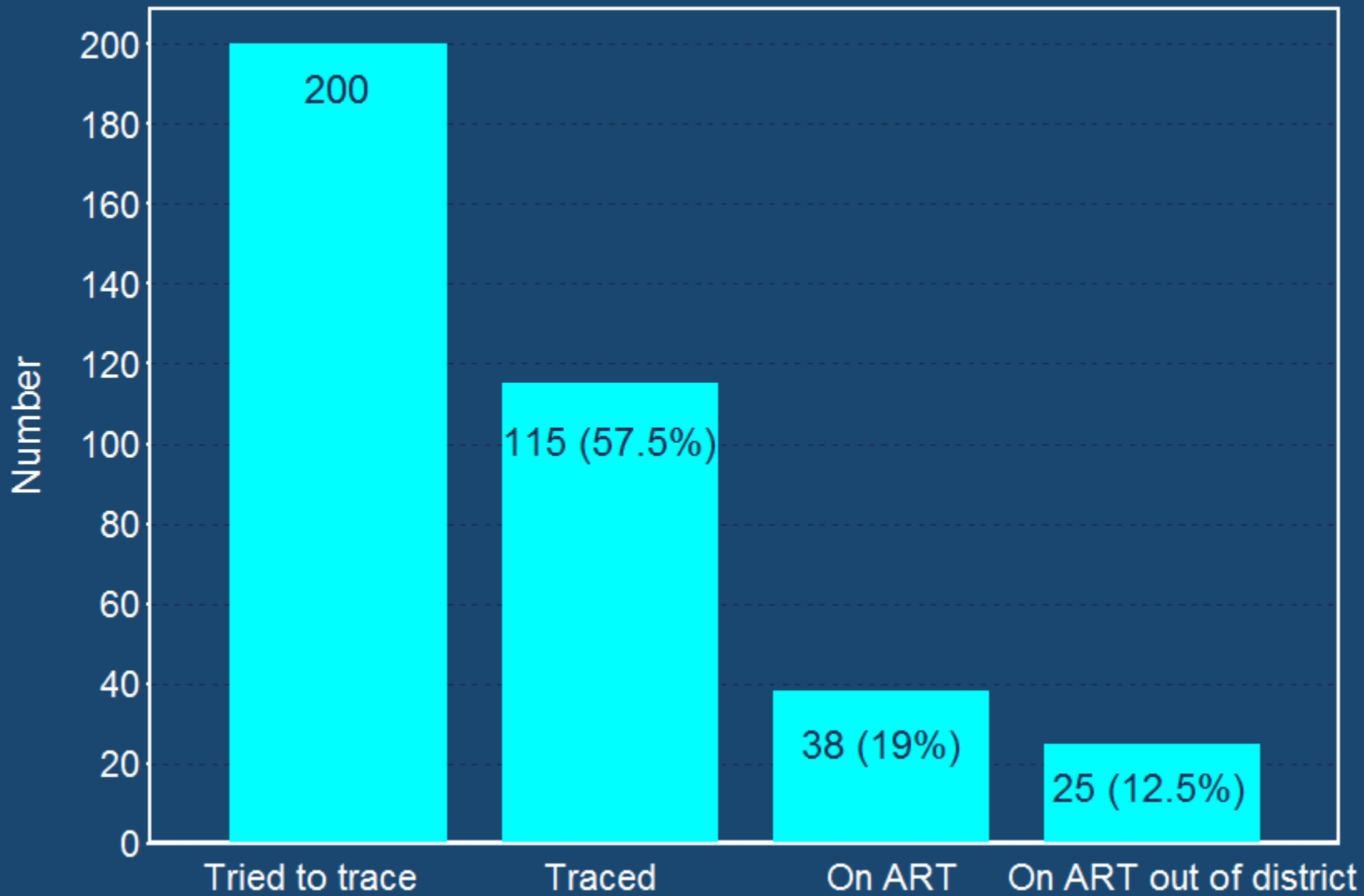




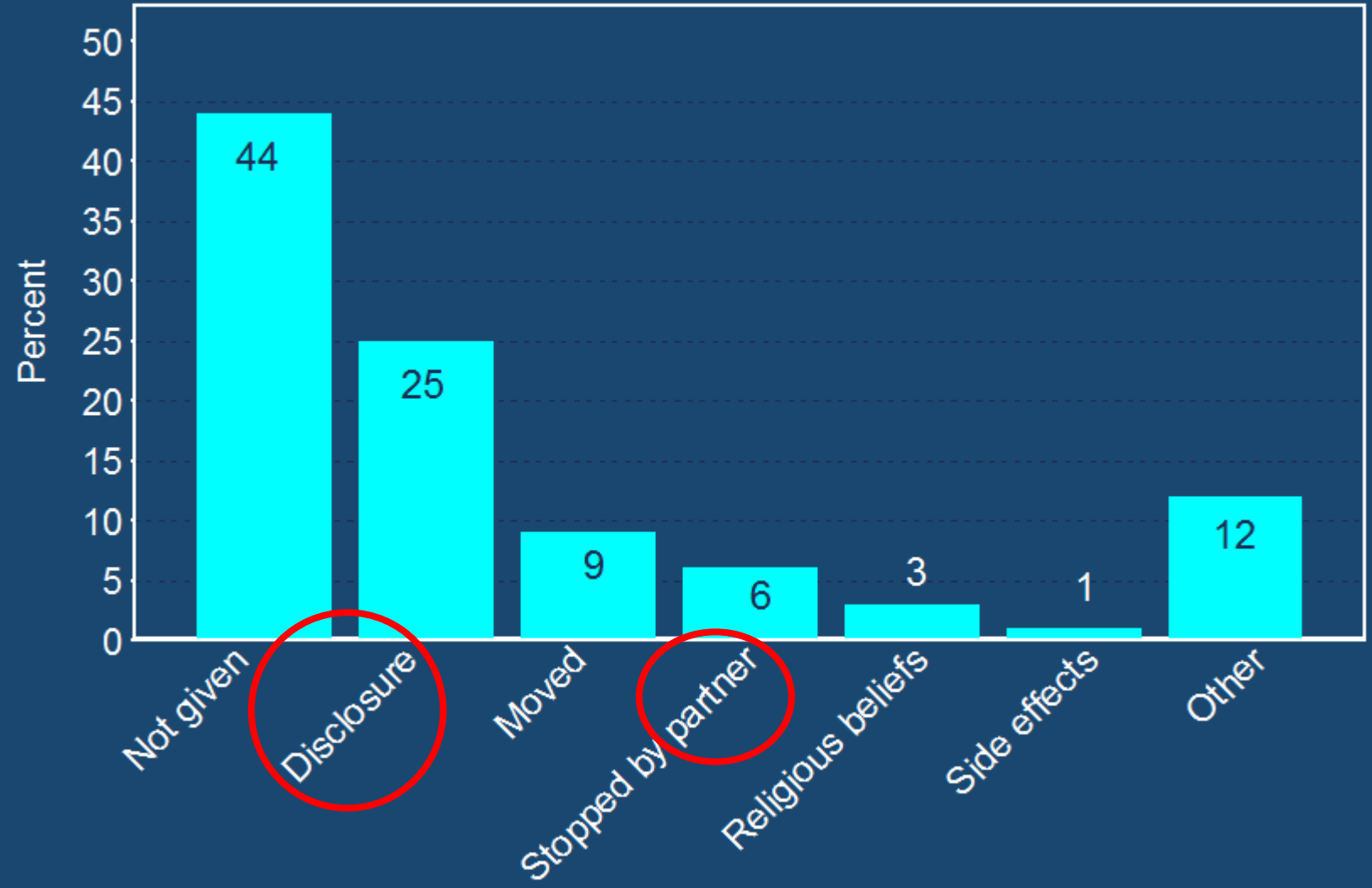
Factors associated with loss-to-follow-up



Tracing of women lost-to-follow-up

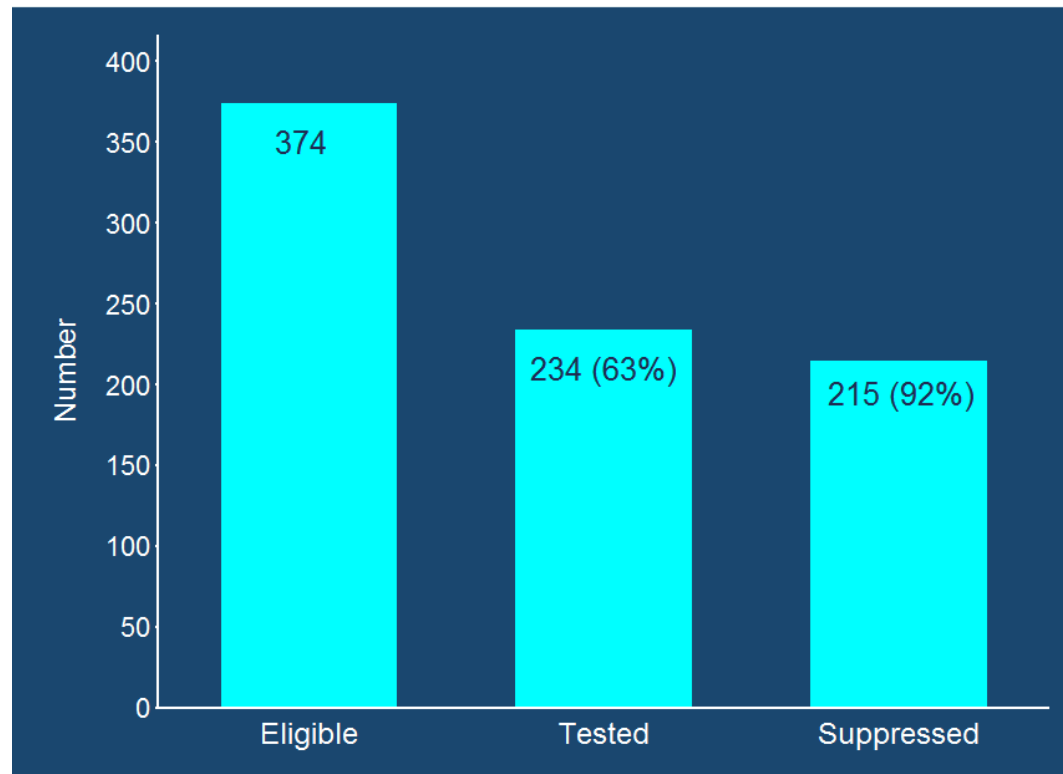


Reasons for defaulting

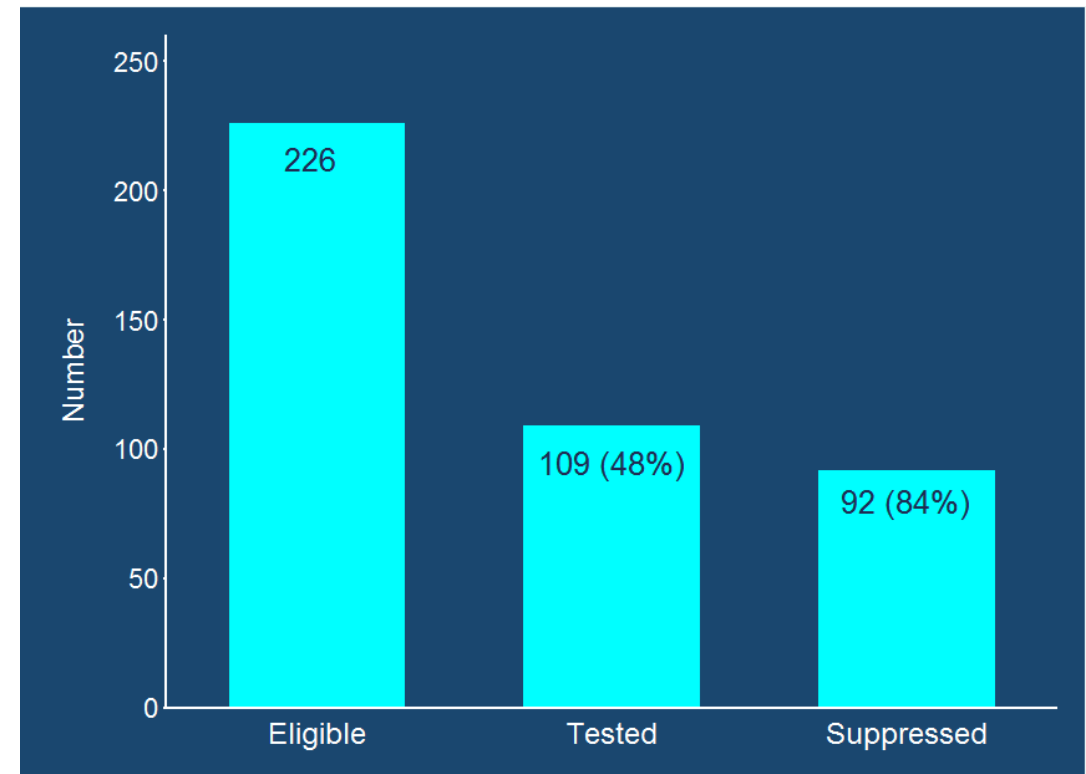


Coverage of viral load testing & viral suppression

3 months



12 months



Conclusion

- Retention of women started on ART in PMTCT is a challenge
 - Higher risk for those initiated whilst pregnant (aHR 1.4; p = 0.150)
 - Higher risk for those attending Gutu Rural Hospital, the largest facility (aHR 2.1; p <0.001)
- Limitations of facility-based M&E systems to record “silent” transfers
- Disclosure is a common reason for women to be lost to follow-up
- 90% of women suppressed their viral load 3 months after starting ART (meeting 90-90-90 target) BUT this still left 10% of exposed infants were exposed to ongoing risk

Recommendations

- Increased support is needed for counseling at ART initiation & during the first months on ART
- Improve access to counseling in the largest facility – focus on the mobility of patients attending these sites
- Appointment system needs strengthening & systematic defaulter tracing in all facilities