



# SOCIAL DETERMINANTS CONTRIBUTE TO FRAILITY IN HIV POSITIVE PATIENTS IN BAHIA, BRAZIL



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## BACKGROUND

- Frailty is a syndrome related with aging that can develop earlier in the presence of HIV.
- Frail individuals are more vulnerable to adverse health outcomes.
- The magnitude of this problem in people living with HIV in Brazil is unknown.



## OBJECTIVE

This research aimed to determine the prevalence and associated factors of frailty.



## MATERIAL & METHODS

- Cross sectional study conducted on adults living with HIV, aged 50 years or older receiving outpatient care between April and November of 2017 at a referral center in Salvador, Brazil.
- Frailty was defined according to Fried's frailty phenotype.
- Data were analyzed using descriptive statistics. Differences and associations among groups were determined using t-test, non-parametric tests or X test. Magnitude of associations was measured using prevalence ratio.

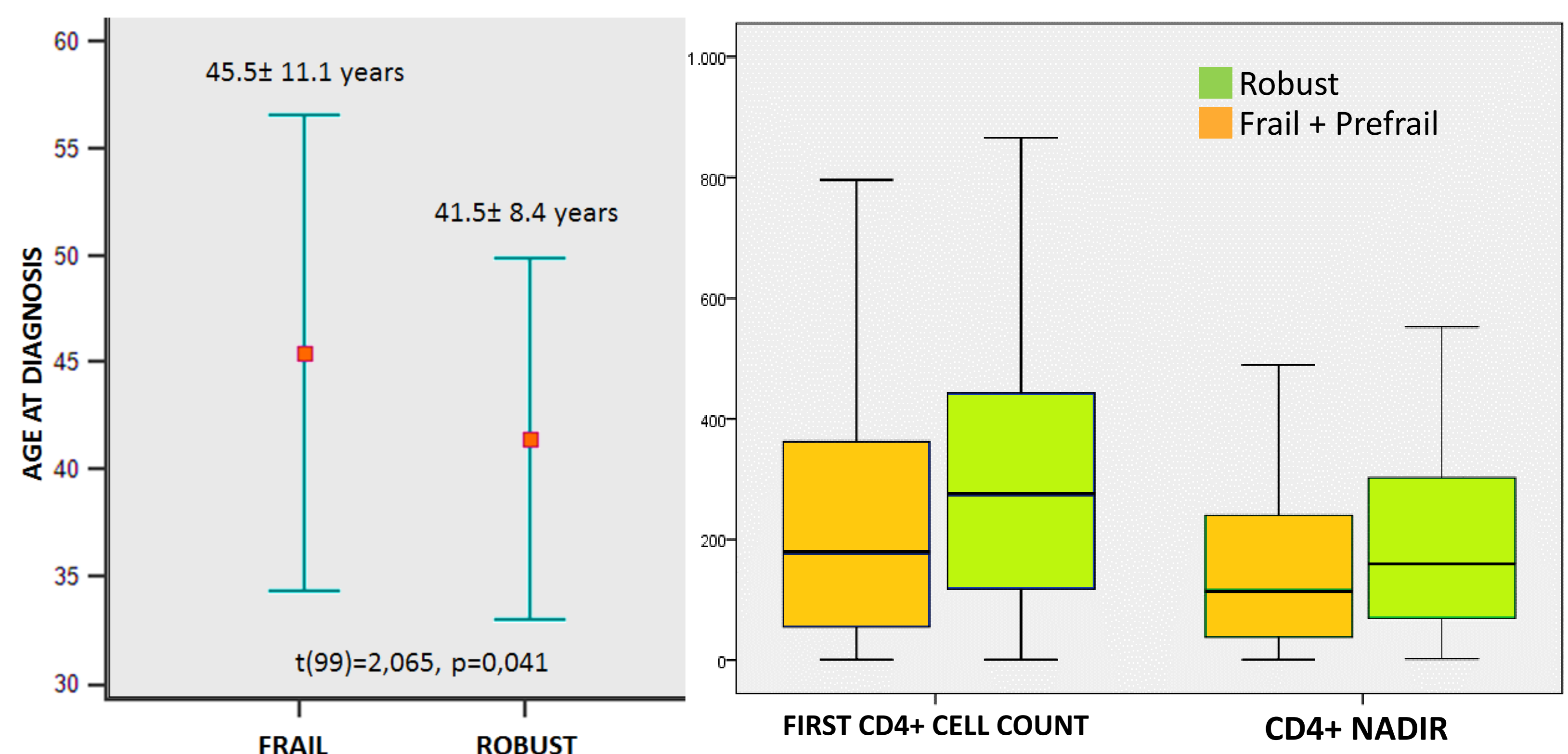
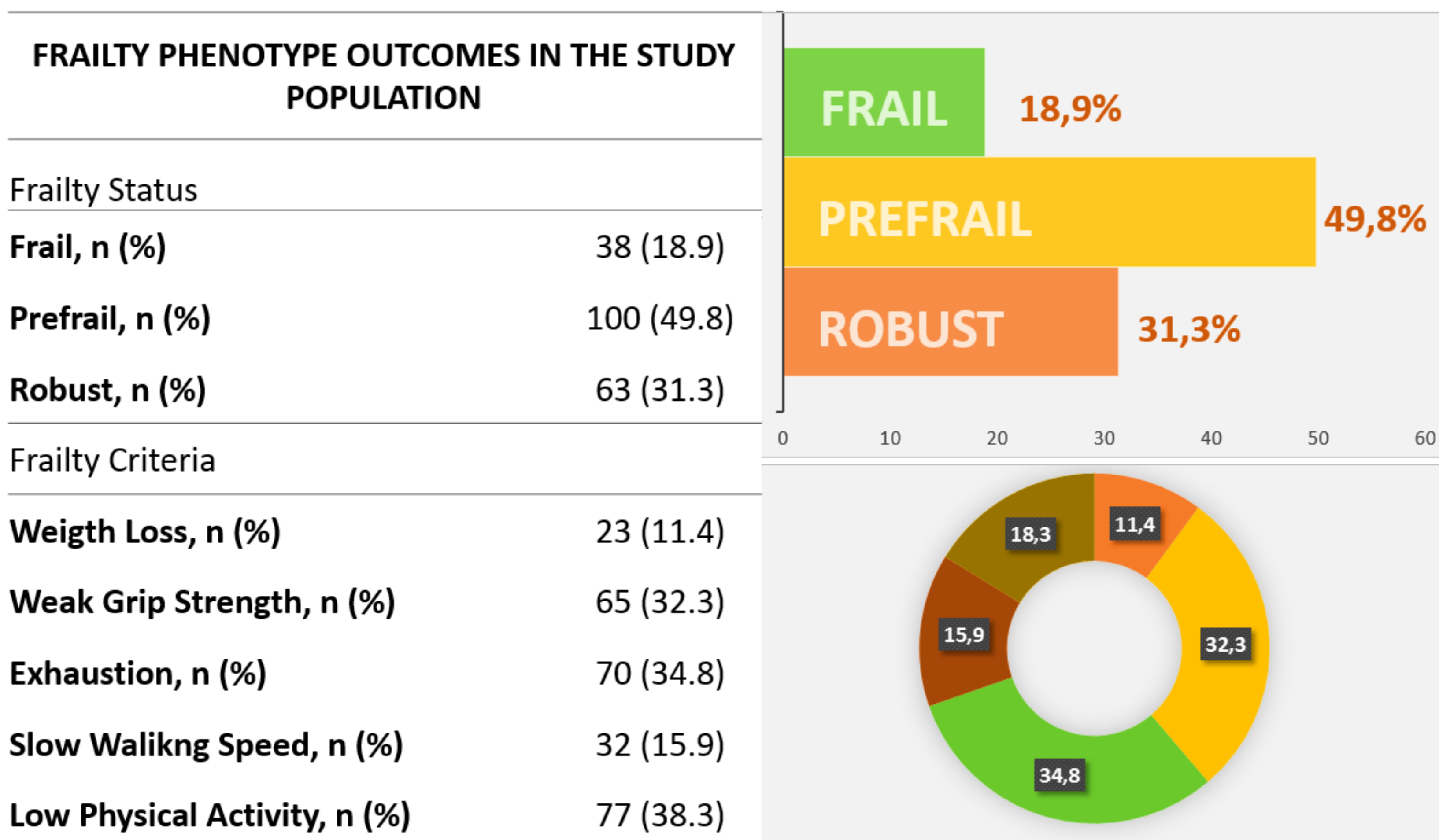
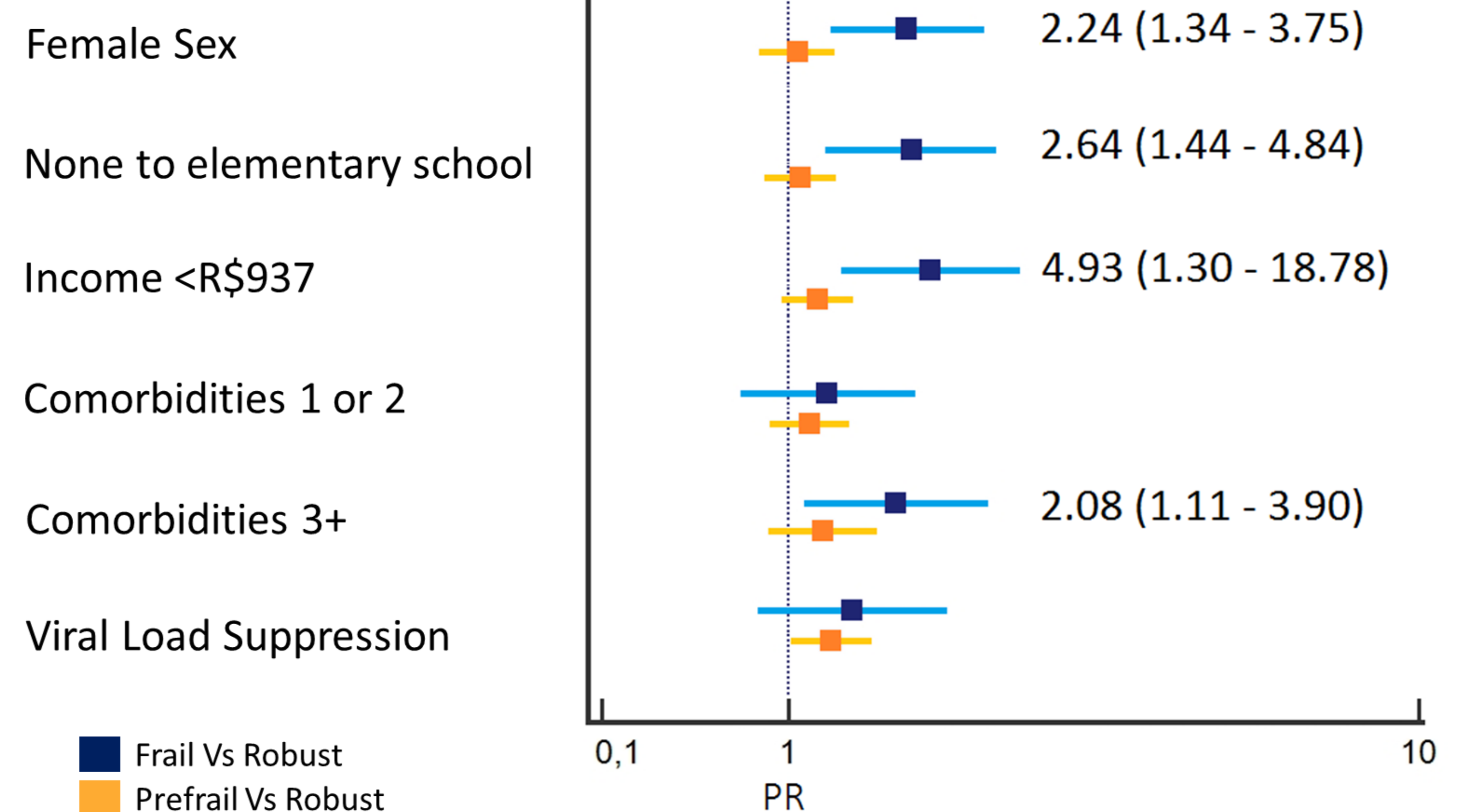


## RESULTS

Participants characteristics (n=201)

- **57.5 ± 6,7 y** mean age (range 50 to 83 years)
- **63,7%** males
- **91 %** self-identified as black or racially mixed
- **669 cel/mm3** median CD4 cell count (**IQR 483 - 922**)
- **88,1%** undetectable viral load

## FACTORS RELATED WITH FRAIL AND PREFRIL STATUS WHEN COMPARED WITH ROBUST GROUP



## CONCLUSIONS

Frailty is common in elderly patients living with HIV. Half of the participants were pre frail, indicating a need for improved long-term outpatient care. Being diagnosed at older ages and common variables associated with social vulnerabilities in Brazil are related to frailty in this patient population. Late presentation to care/treatment was strongly associated to frailty, indicating that early interventions can prevent its occurrence.