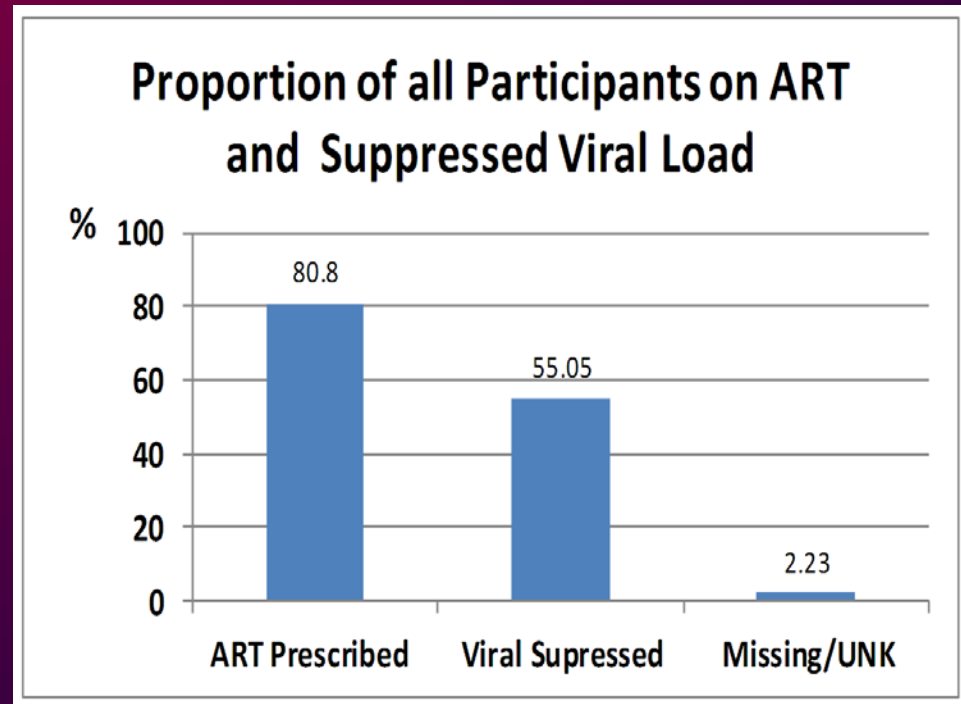


*State of the ART: Characteristics of HIV infected patients receiving care in Mississippi (MS), USA from the Medical Monitoring Project, 2009-2010*

*Arti Barnes MD MPH, Sudarshanam Karakala MD MPH, Imran Sunesara MD MPH, Joseph Grice MPH, Leandro Mena MD MPH*

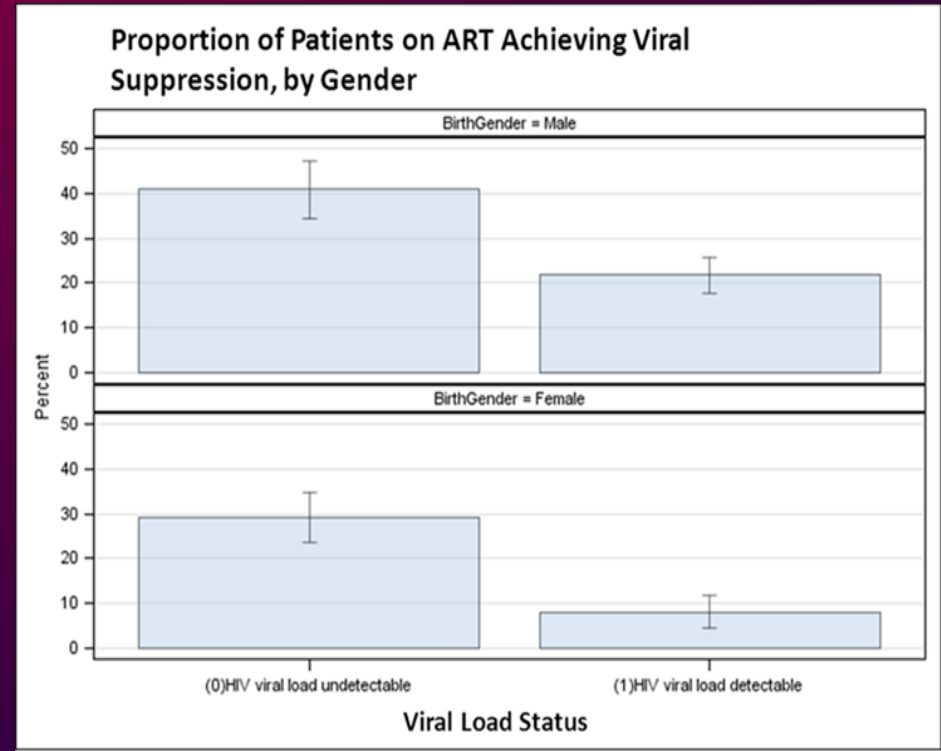
# Mississippi and MMP

- In 2010 there were 9292 PLWHA in MS, 47% with AIDS
- African Americans accounted for 78.5% of cases in MS
- About 2500 PLWHA are estimated to be in care
- MS MMP recruits from 11 facilities-73% participation rate in 2011
- 212 interviews in 2009-2010
- Medical record abstractions for interviewed participants analyzed



# State of the ART: Results

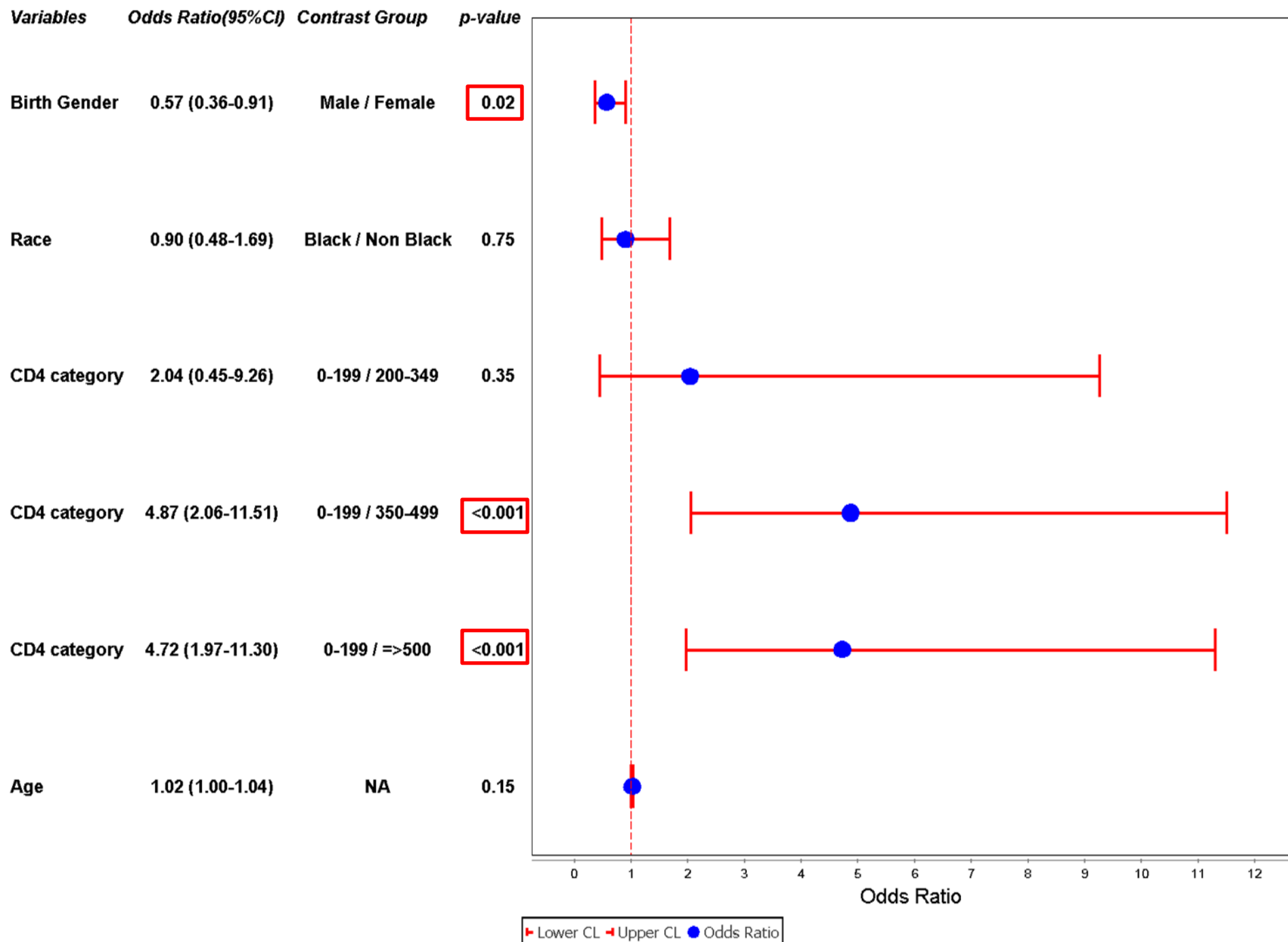
- Mean CD4 count = 438.91
- Overall 80.80% were on ART
- 68.12% of those on ART had undetectable recent viral load status.
- Males (65.15%) were less likely to achieve undetectable viral load compared to females (78.30%) (  $p=0.01$  )



# State of the ART: Results

- No significant difference in ART prescription rates with respect to age ( $p=0.08$ ), gender ( $p=0.09$ ), race ( $p=0.51$ ), CD4 categories ( $p=0.17$ ), risk categories ( $p=0.13$ )
- Decreased odds of viral load suppression if male ( OR 0.57)
- Higher odds of viral load suppression if CD4 >350 ( OR 4.72-4.87)

# Relationship of Viral Load Suppression with Variables Controlling for Prescription of ART



# Caveat Emptor

- Selection bias of people who are not just in care but who are RECENTLY in care
- Interview data skewed towards those who show up for their appointments during the surveillance period; 28.8 % lost to follow up in 2010.
- Further analysis of ART prescription rates and viral suppression by insurance status, education, geography and other clinical indicators is ongoing.

# The MMP Team

