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# **Fever, Parasitemia and Access to Subsidized ACTs – Evidence from Uganda’s Eastern Province**

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**AFFORDABLE MEDICINES FACILITY-MALARIA REVIEW AND THE  
FINANCING OF FEBRILE ILLNESS MANAGEMENT**

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The National Academies, Washington, DC 20037

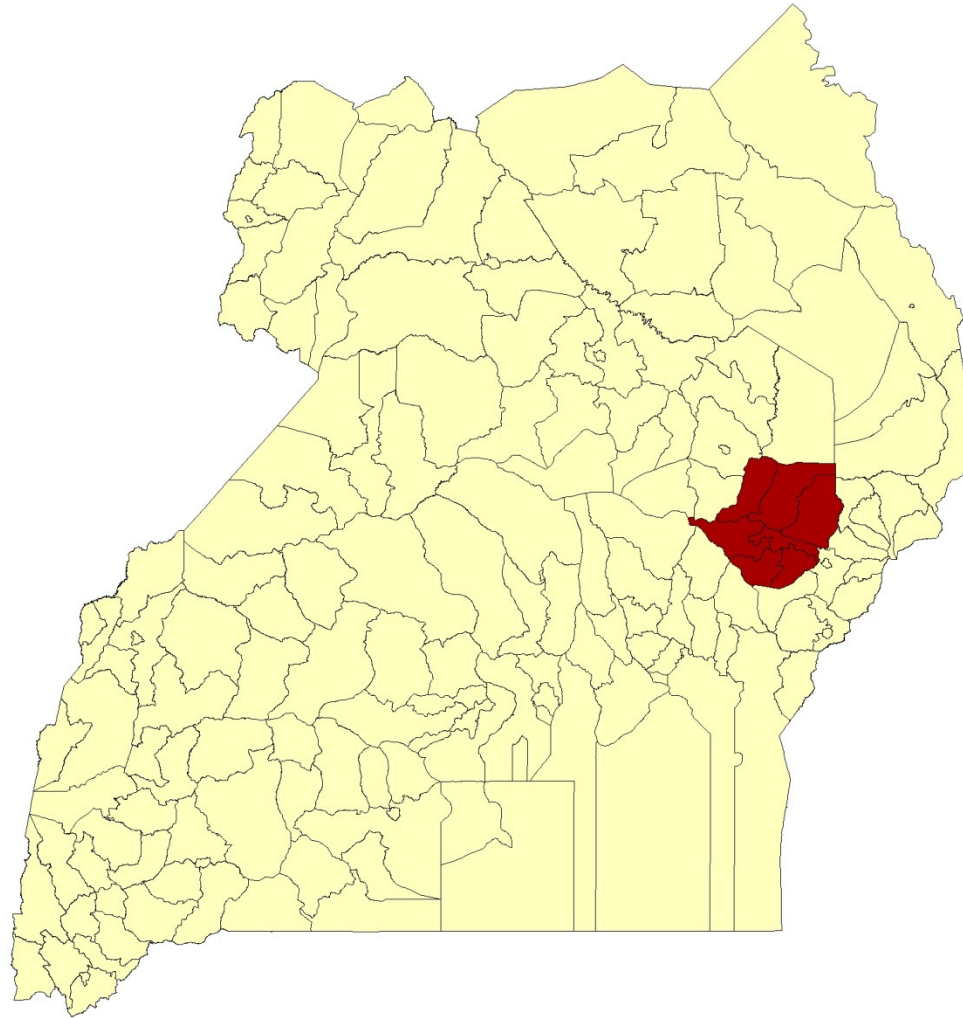
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# Uganda



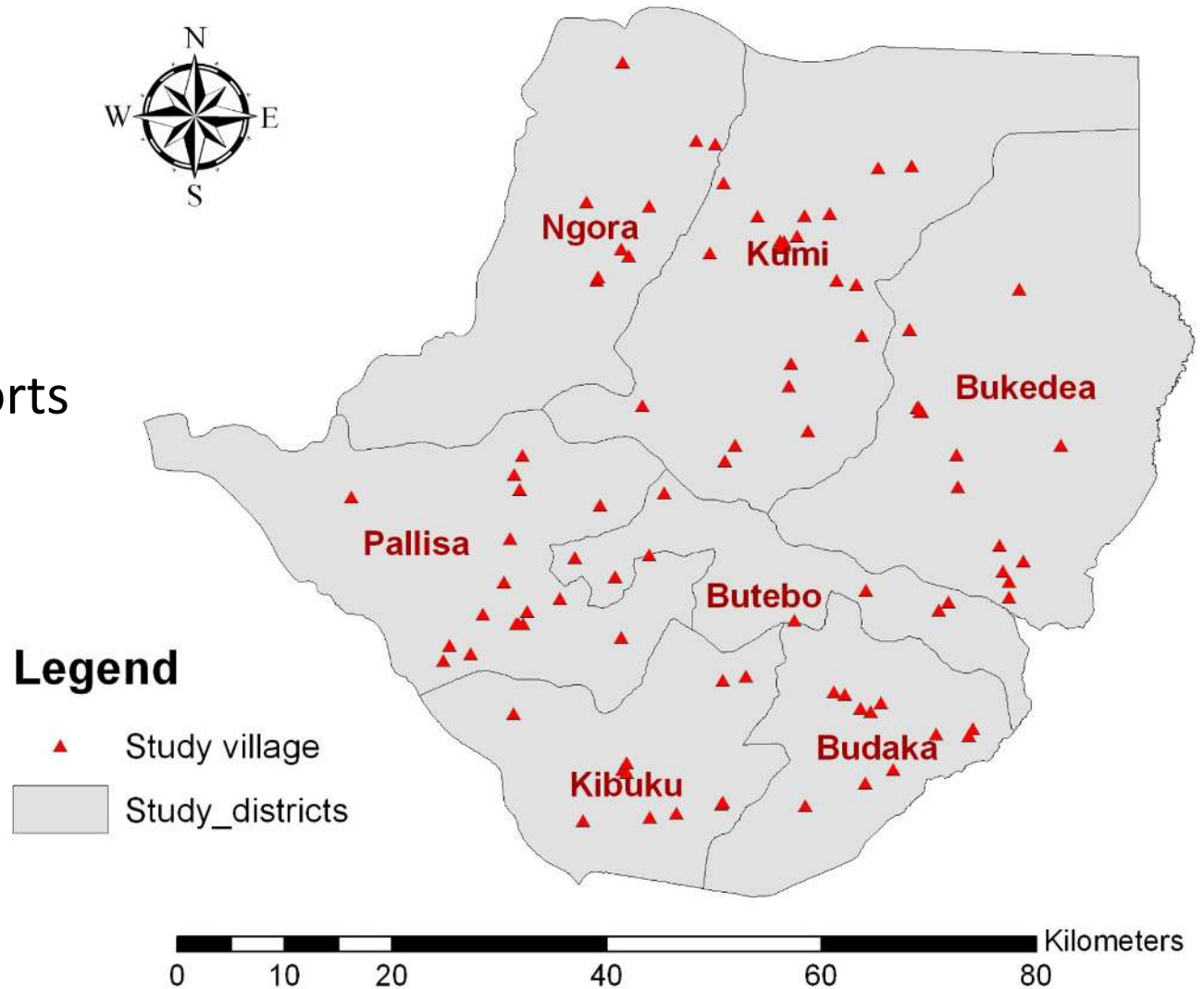
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## RDT Study Districts



# 92 Study Villages: May 2011 to April 2012

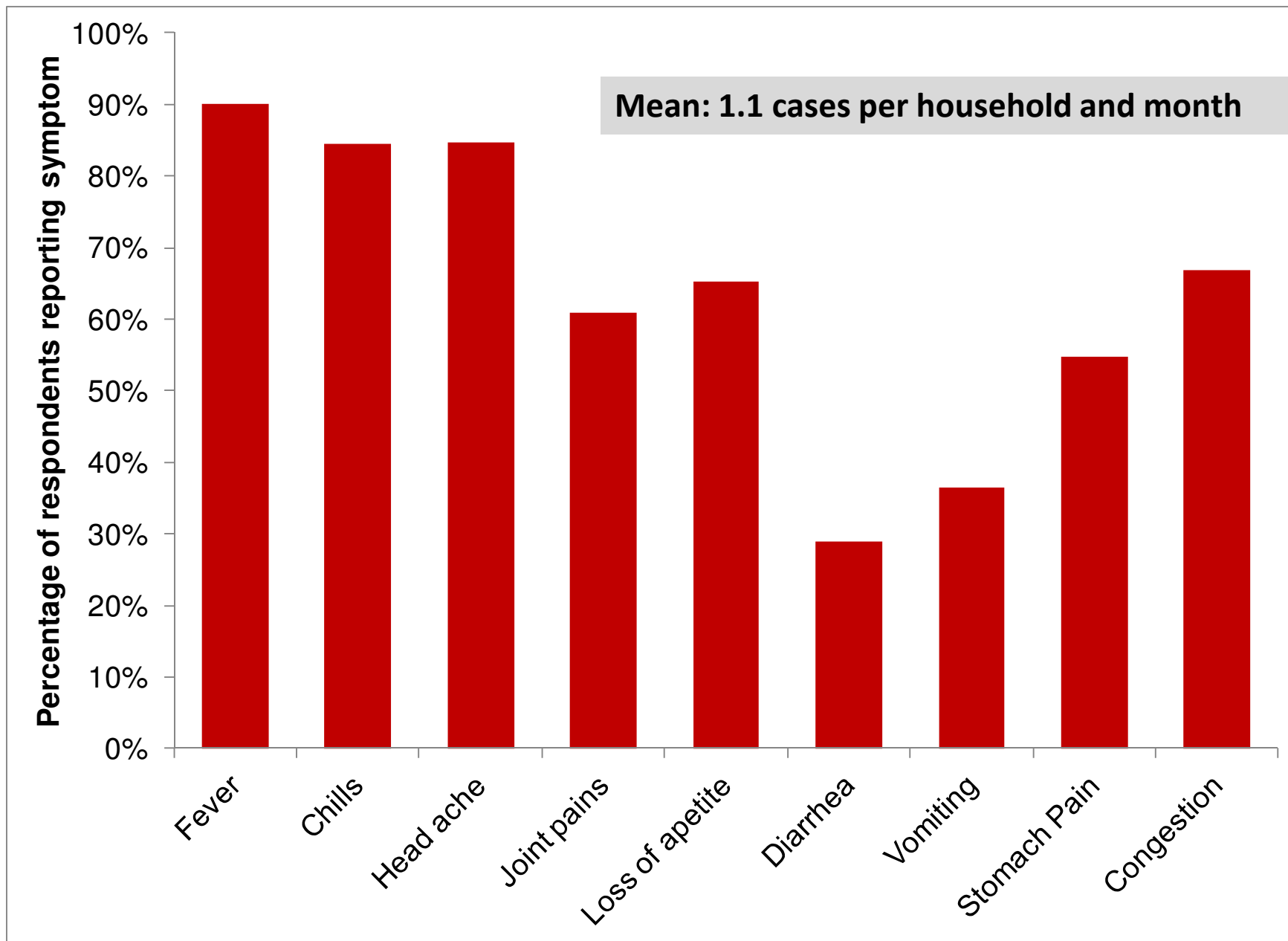
- 2500 Households
- 15,000 Individuals
- > 30,000 Illness reports



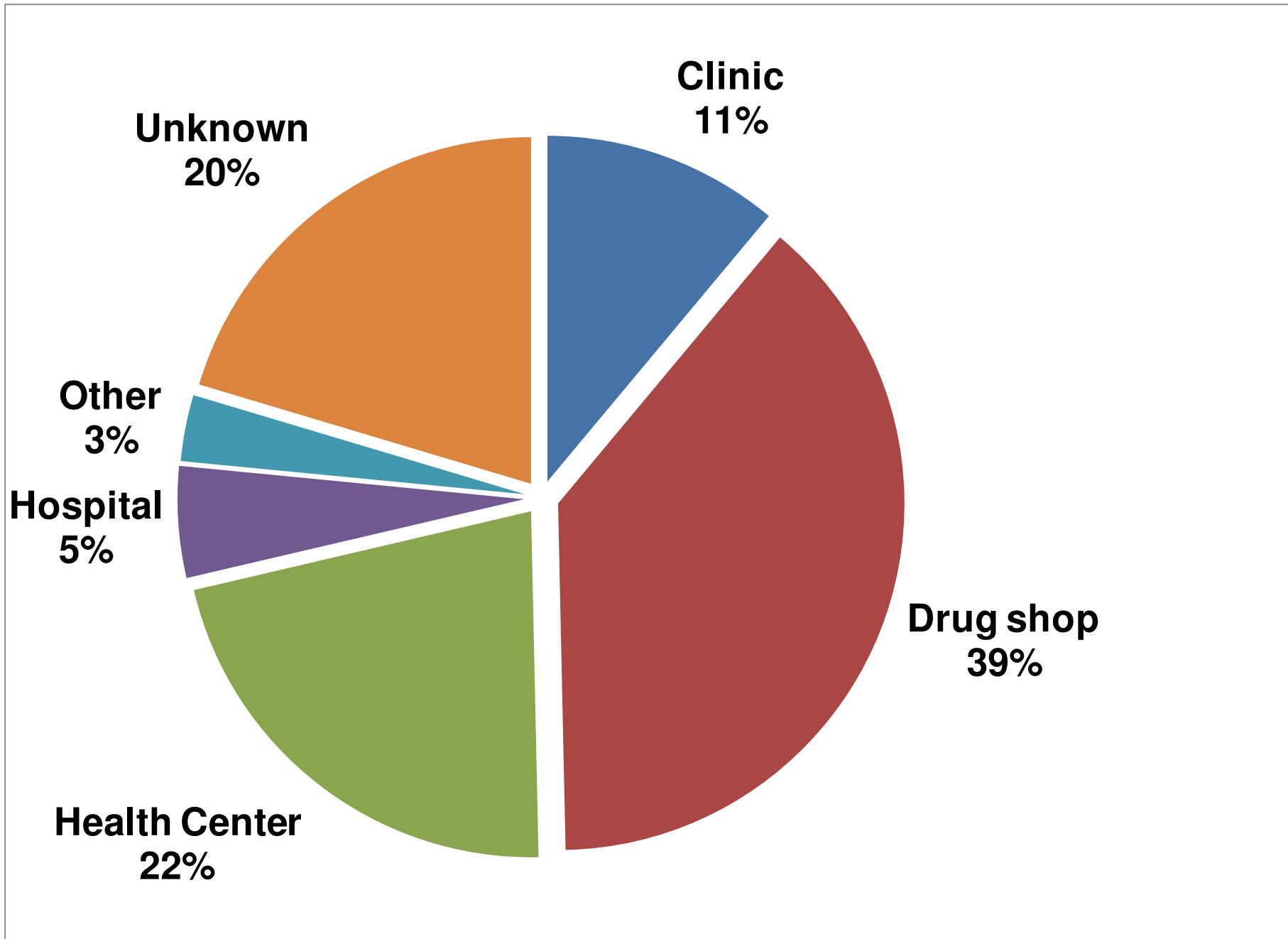
## Endemicity

- At the end of the trial, free testing was offered to all household members
- About 66% of members *were present and consented* to testing, for a total of 9887 tests (96% consented)
- About 50% of children and 30% of adults (all without acute health problems) were found to test positive → highly endemic area

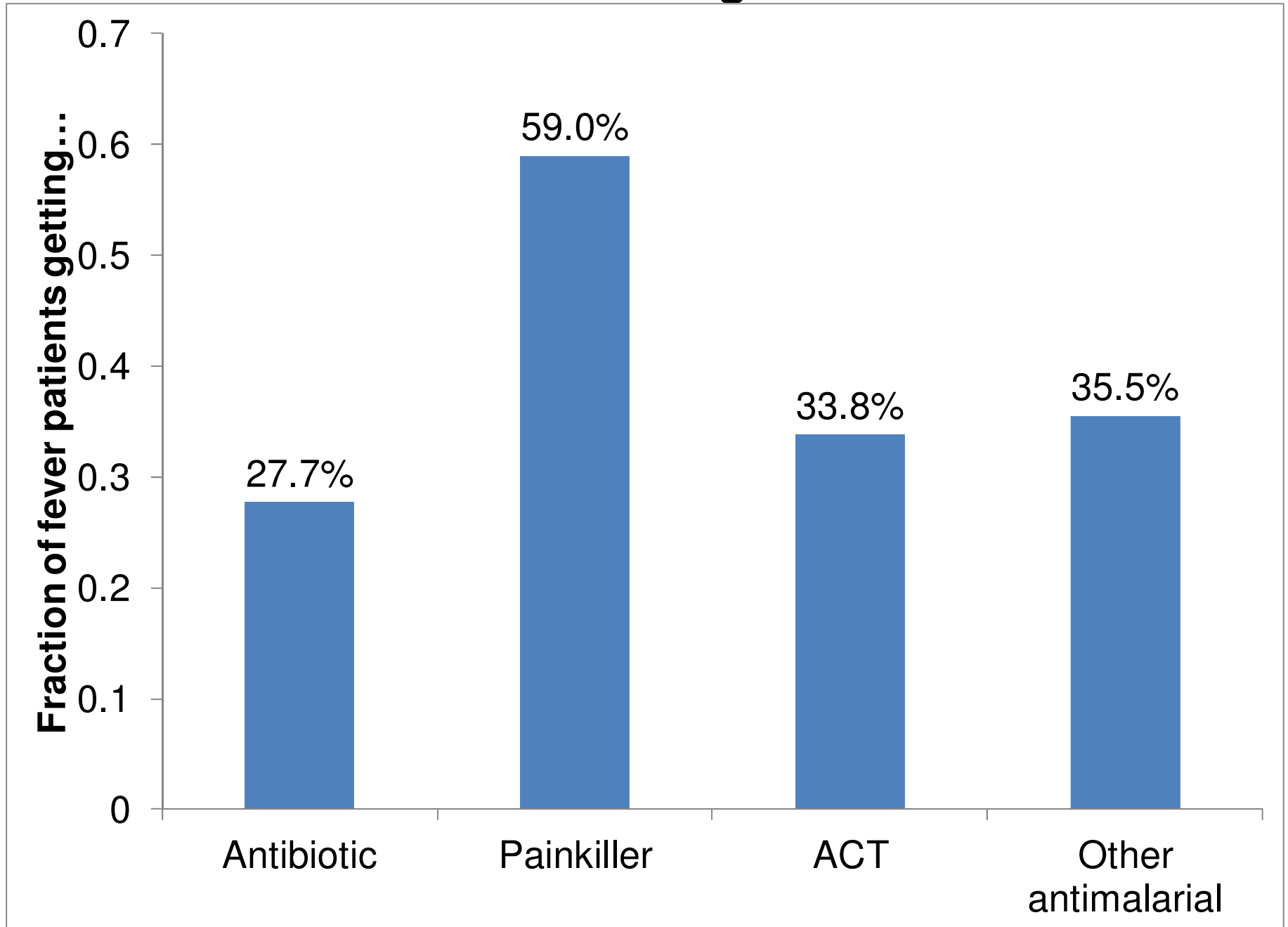
# Most Common Morbidity Symptoms



## Where Do Fever Patients Seek Treatment?

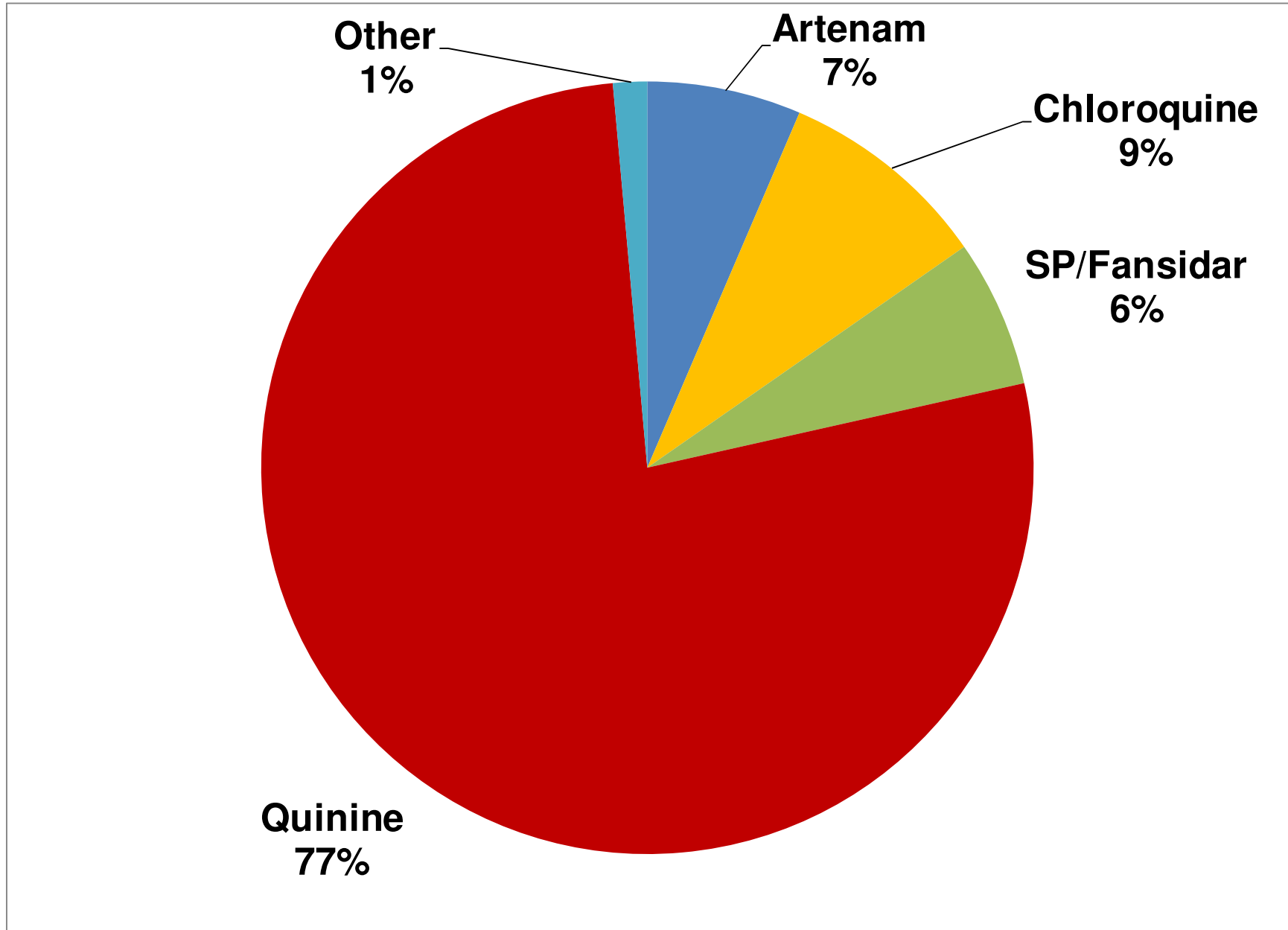


## Most Common Drug Treatment

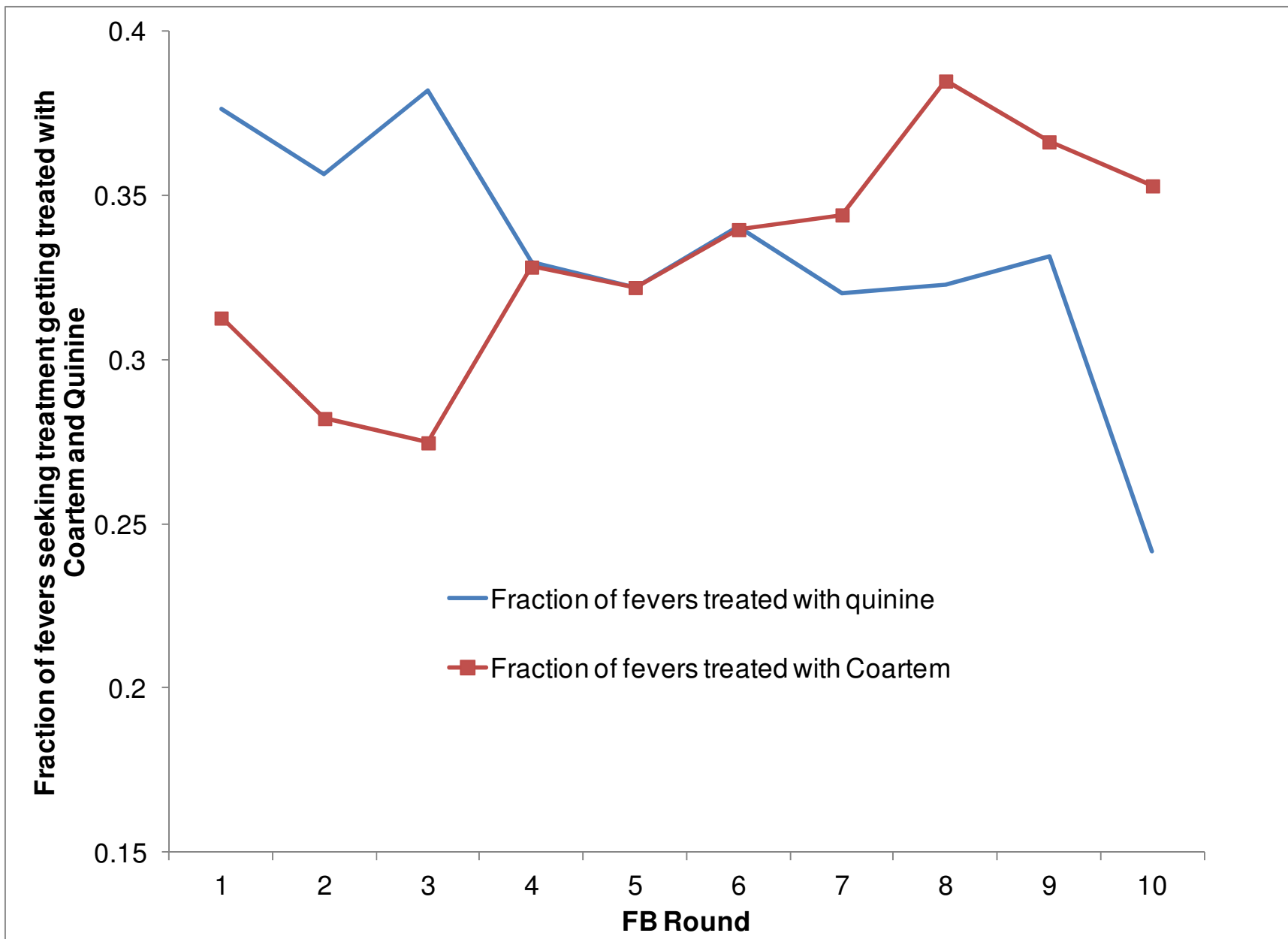




## Other Antimalarials

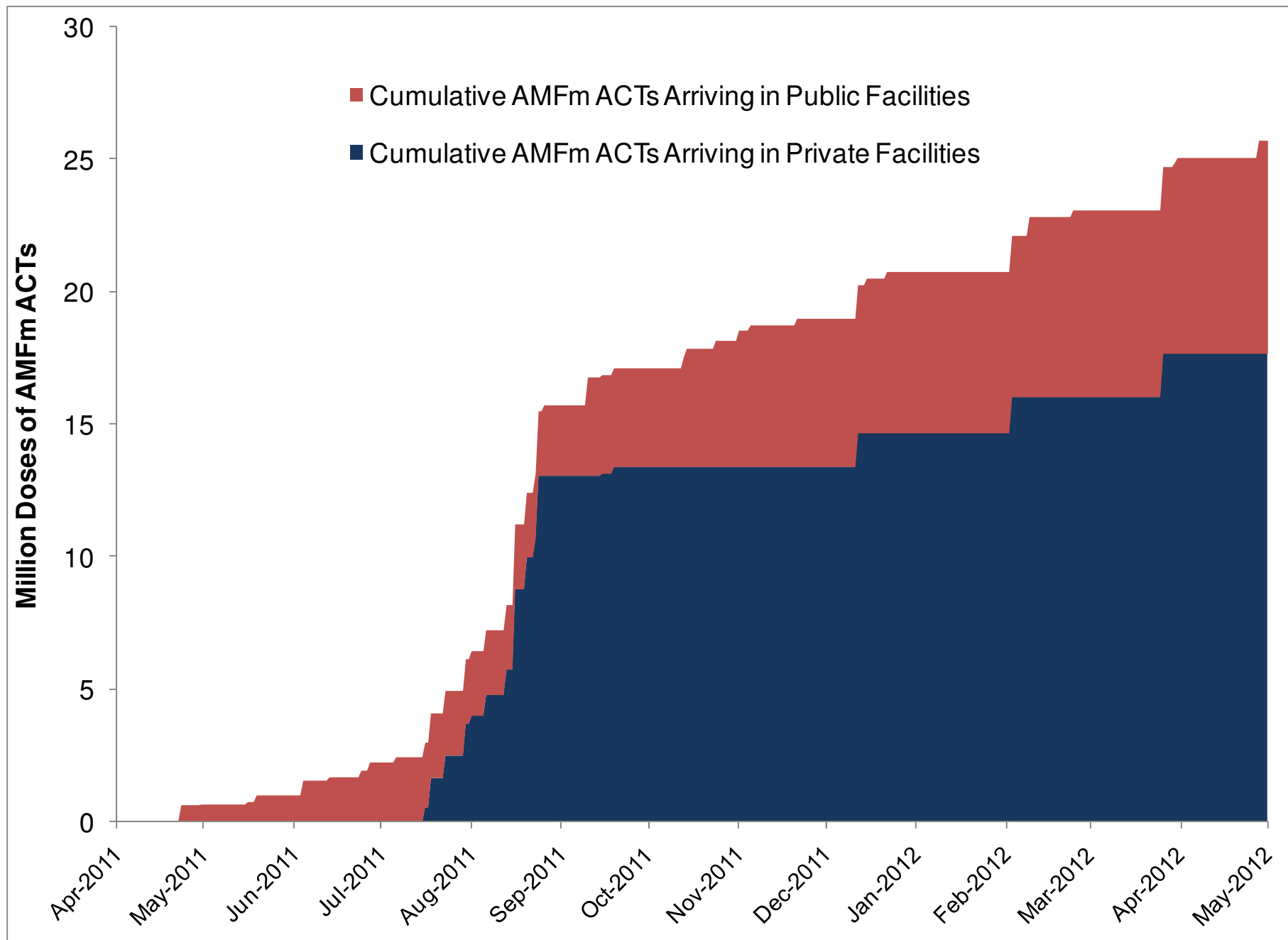


# Change in Treatment over Time



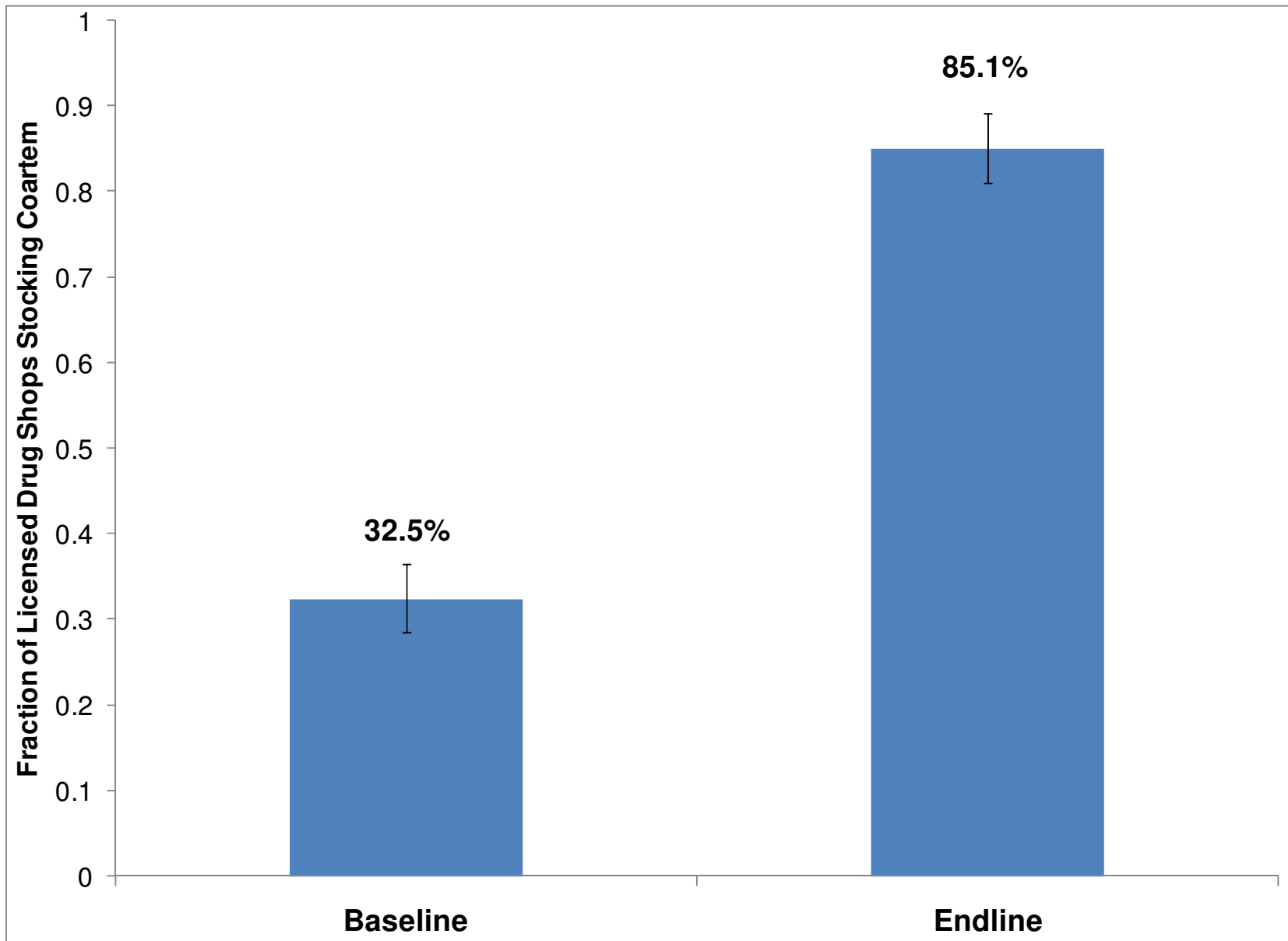
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# Timing of the AMFm

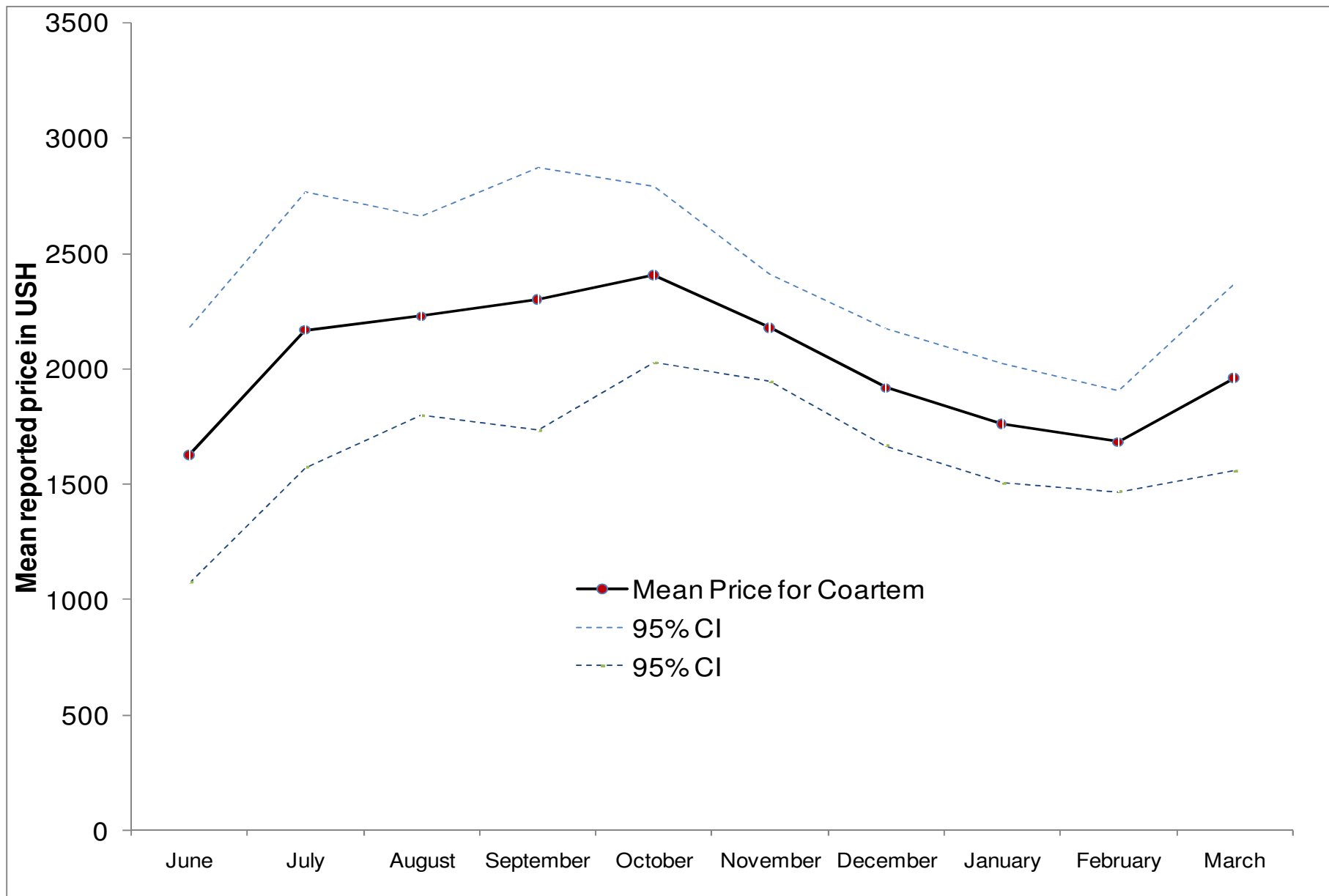


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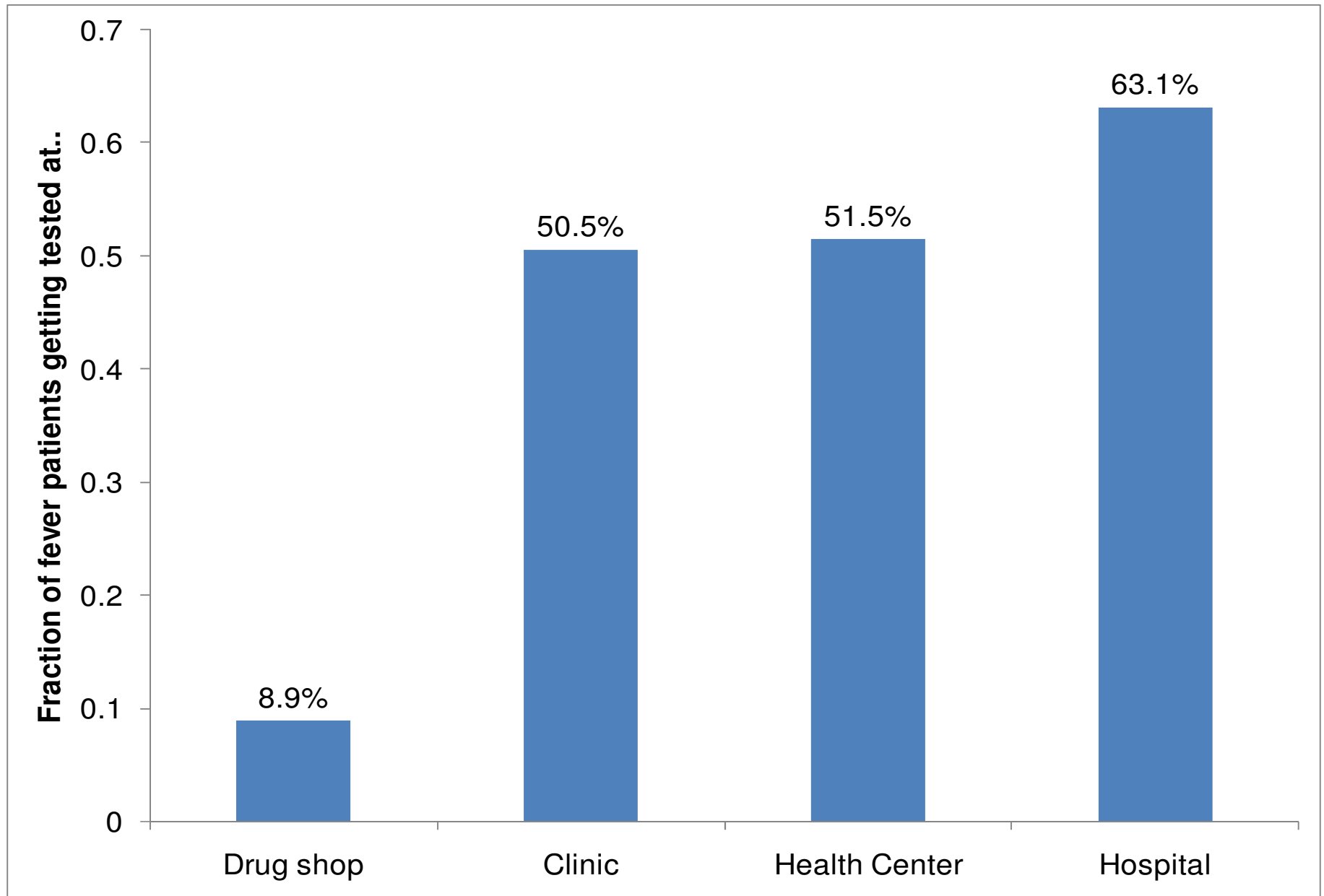
# ACT Distribution in Retail Sector: How Many Shops Stock ACTs?



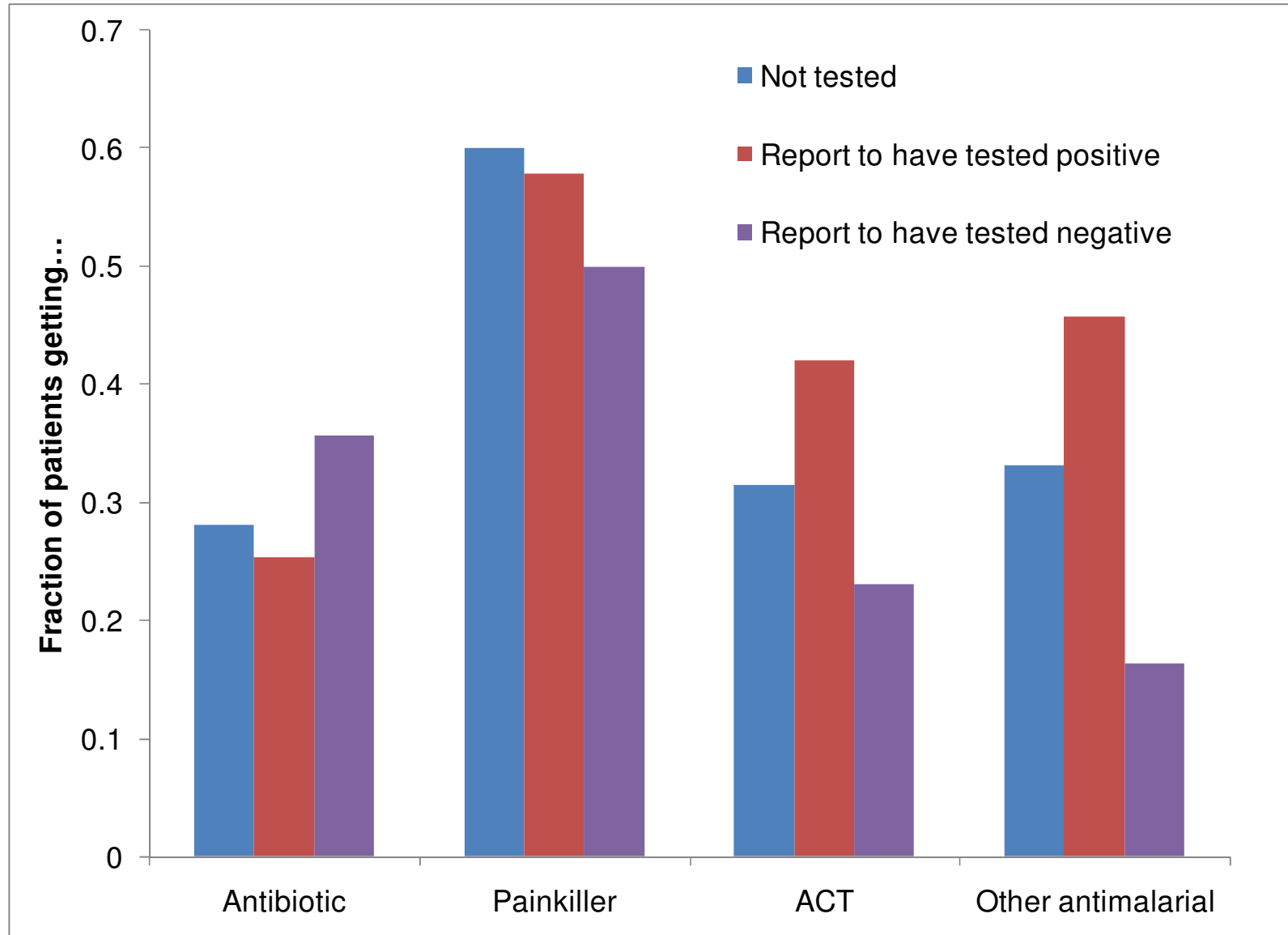
# ACT Pricing in the Retail Sector



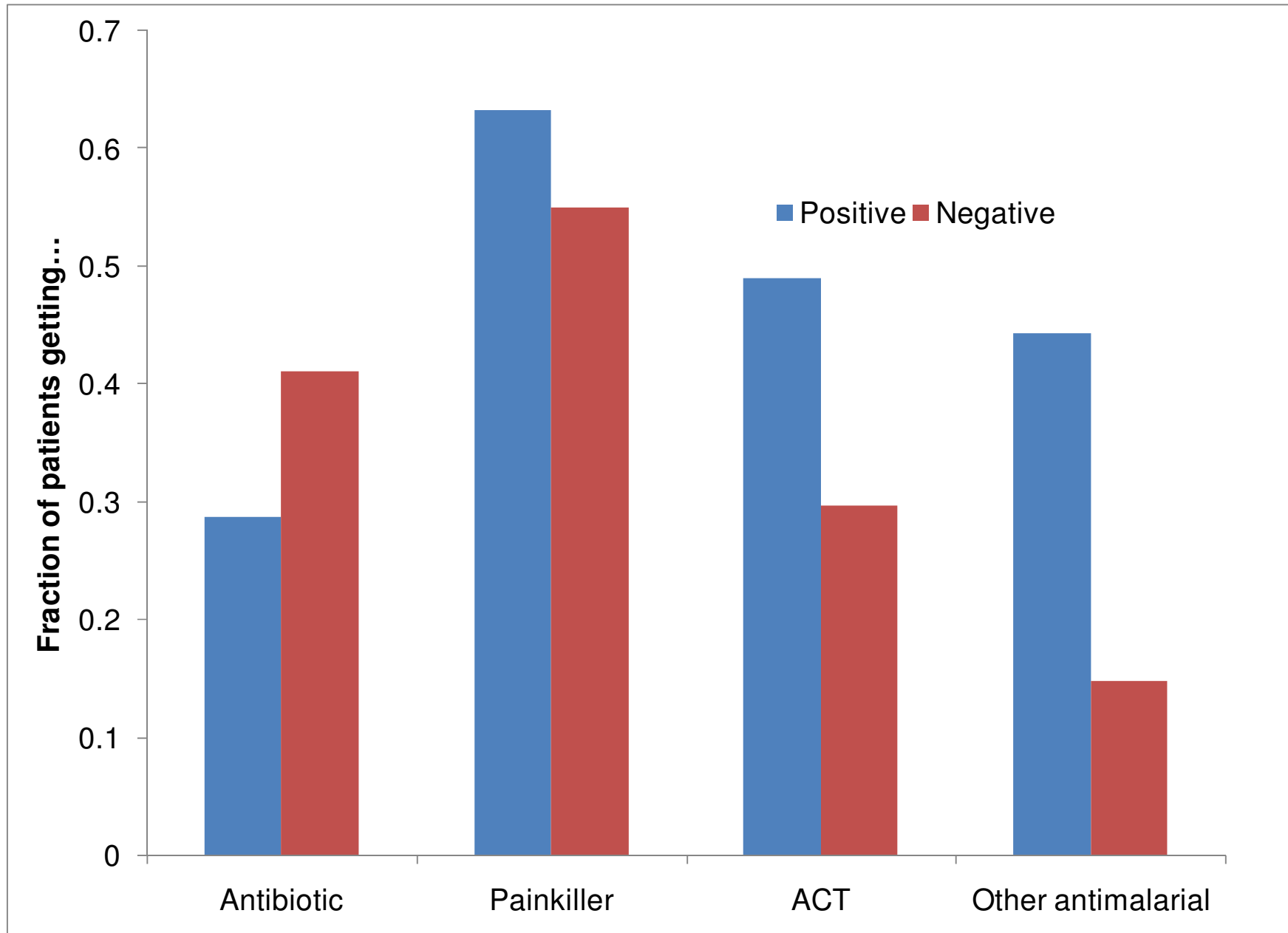
## Malaria Testing (28% overall)



# Self-reported Test Results (N=23,849)

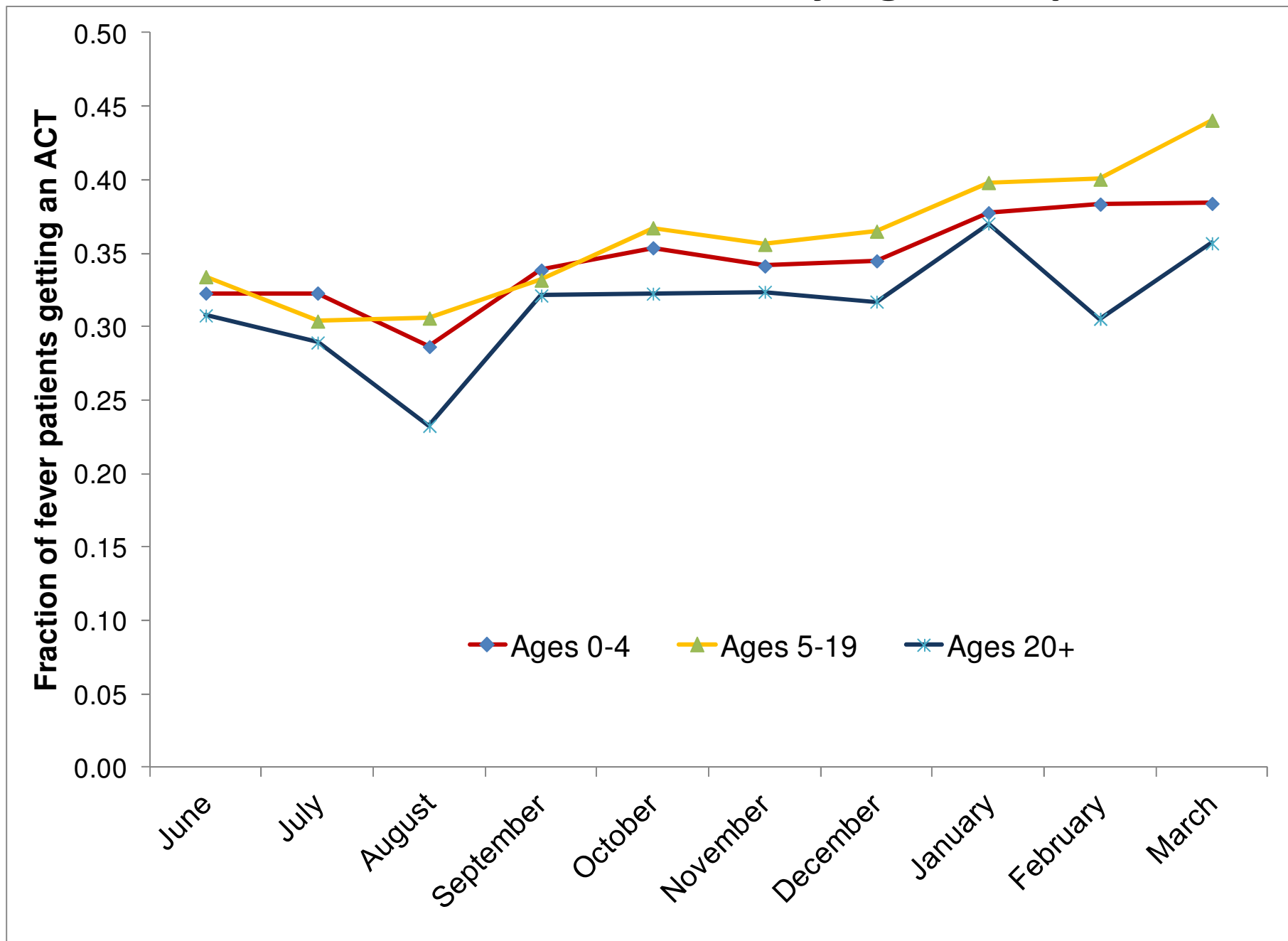


## Treatment of Confirmed Malaria Tests (N=1800)

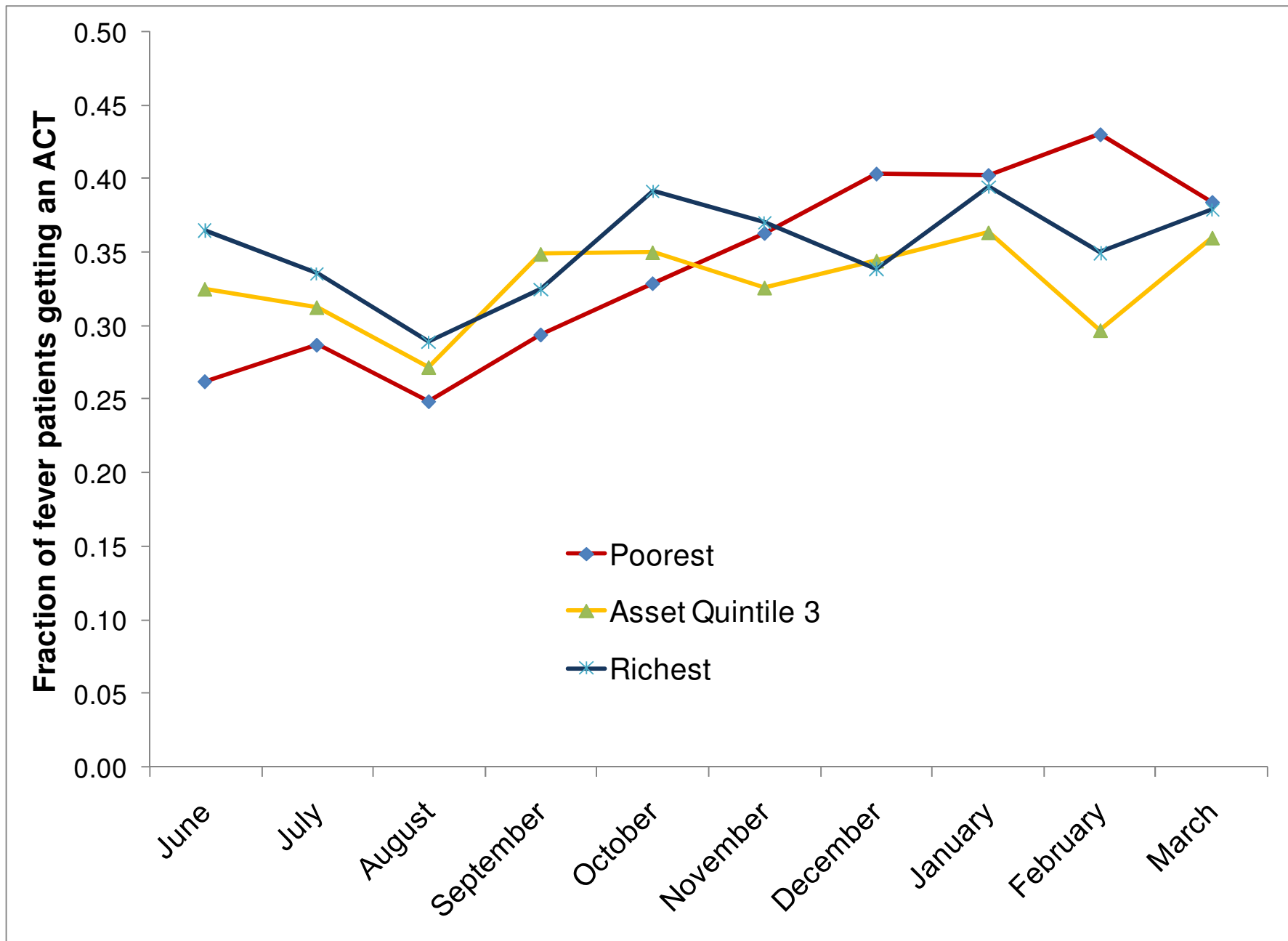




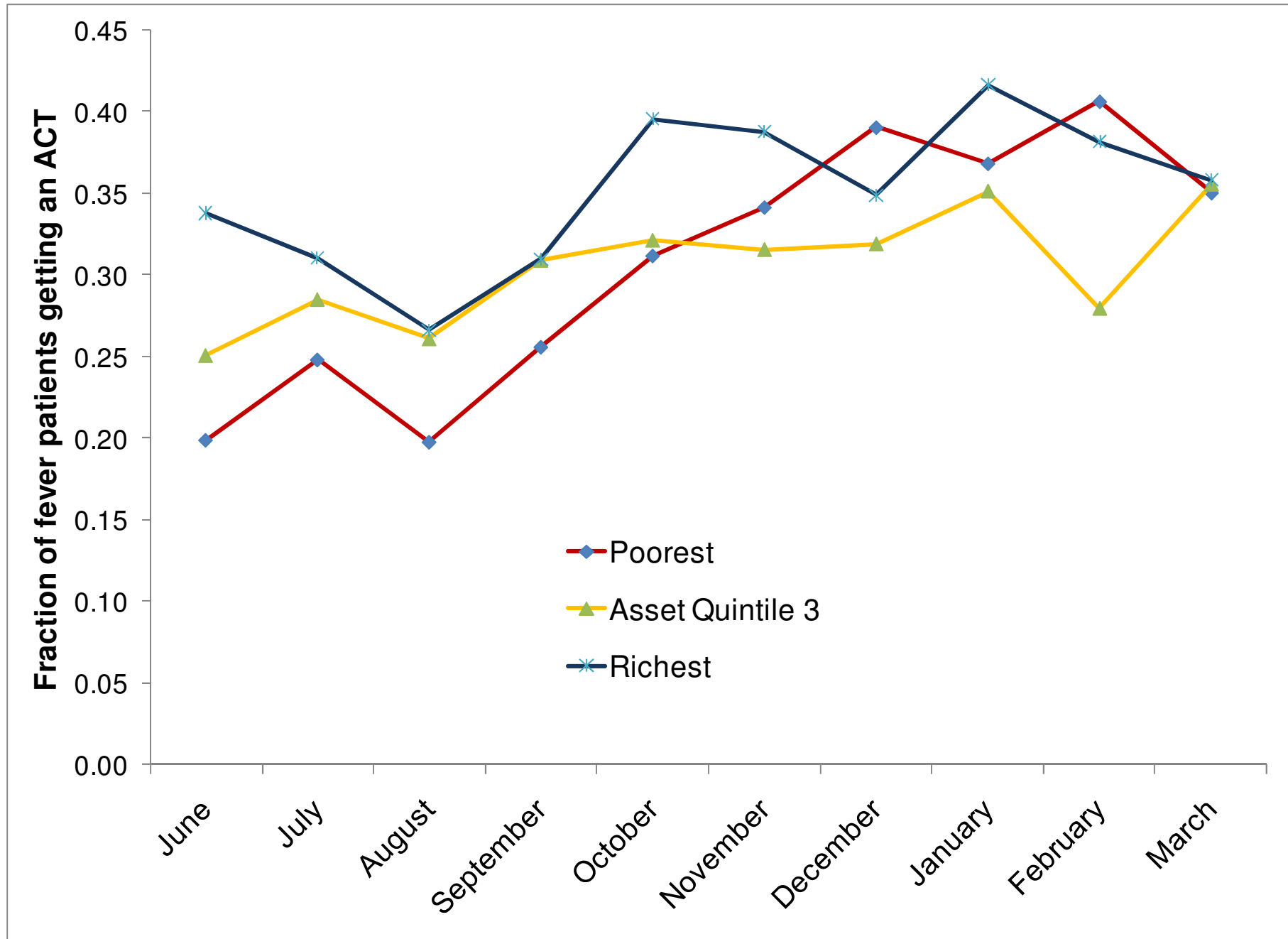
# Trends in ACT Treatment by Age Group



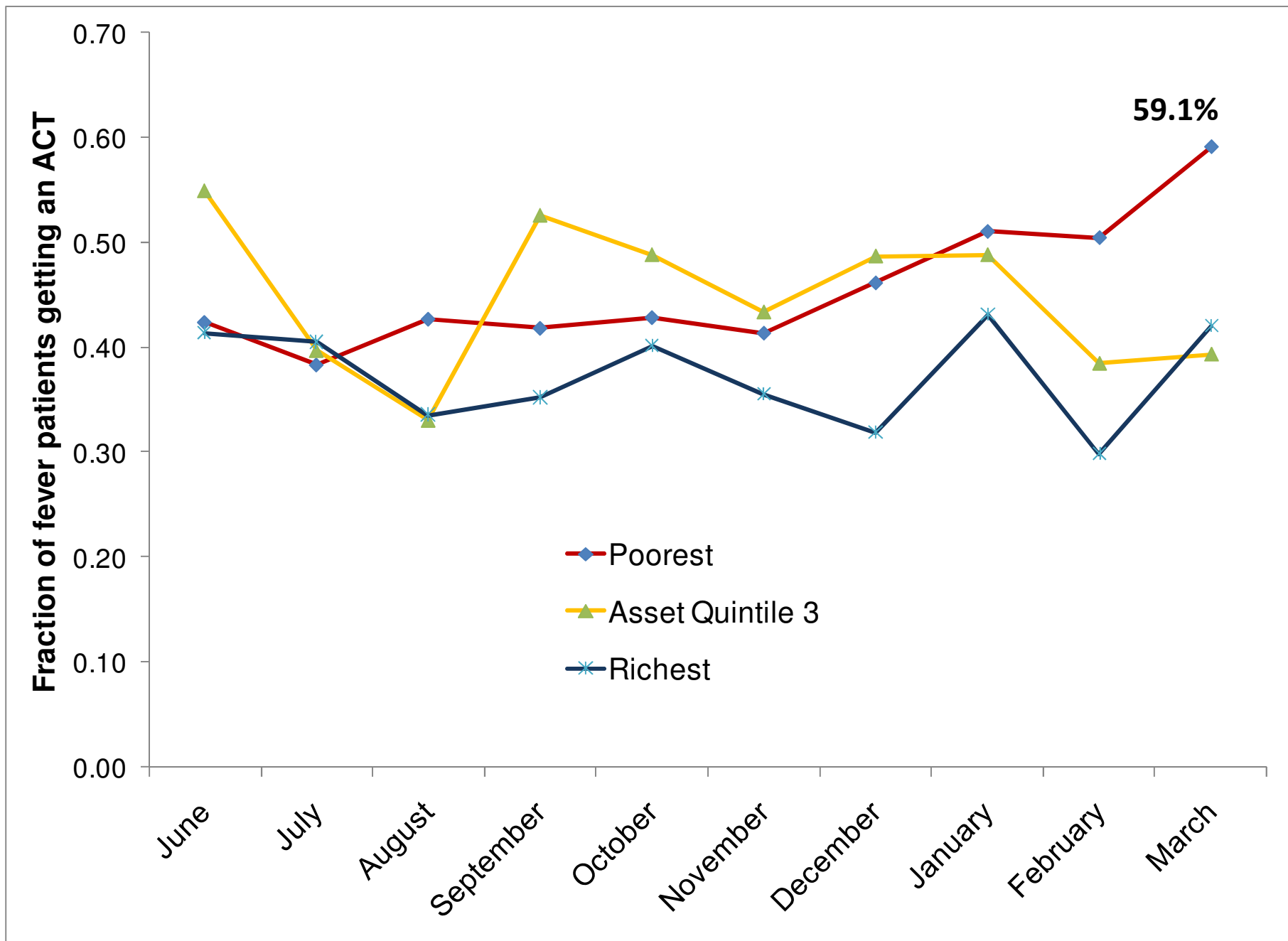
# Trends in ACT Treatment by Wealth Quintile (All)



## Trends in ACT Treatment by Wealth Quintile (Untested)

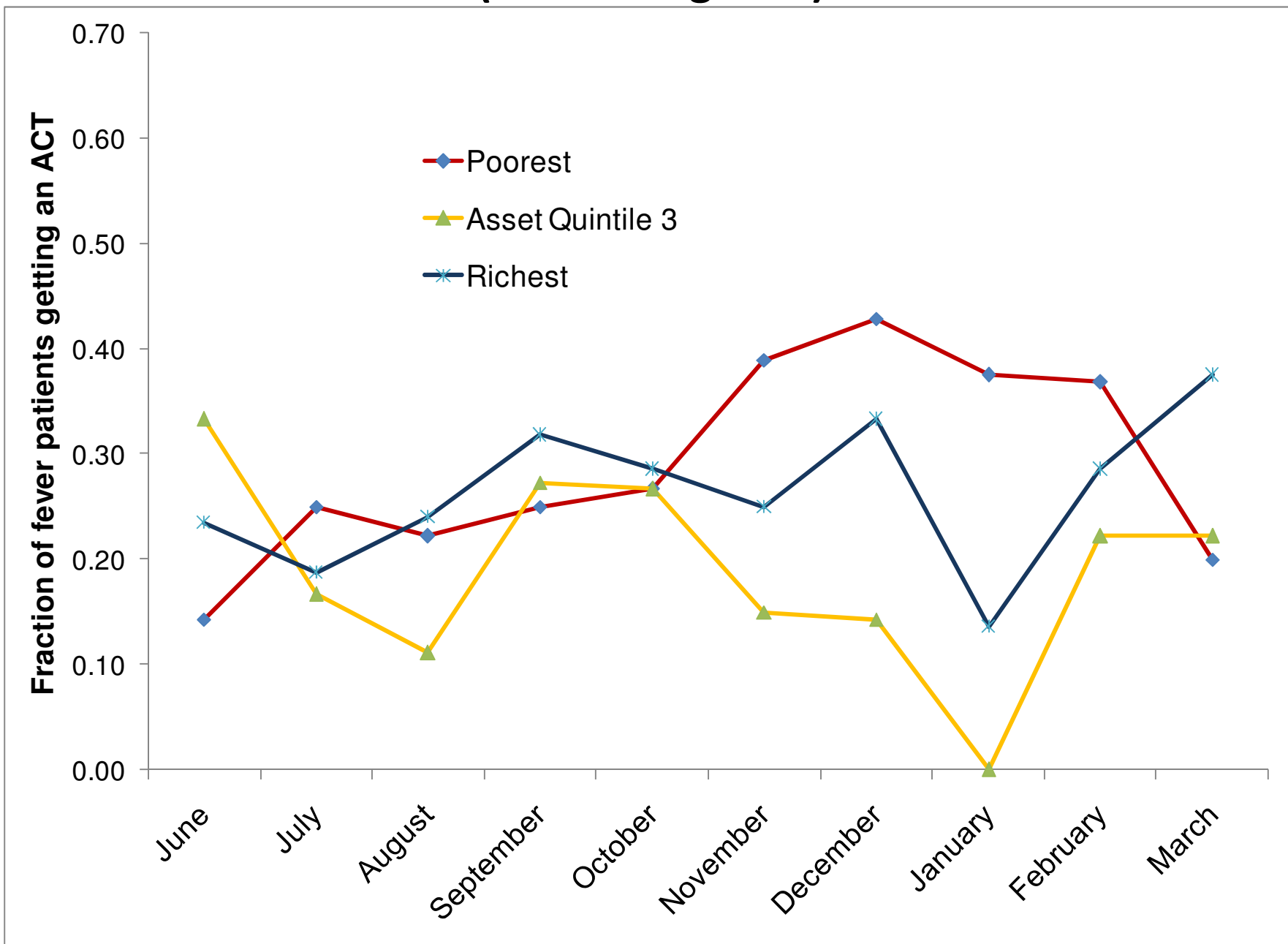


# Trends in ACT Treatment by Wealth Quintile (Tested Positive)



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# Trends in ACT Treatment by Wealth Quintile (Tested Negative)



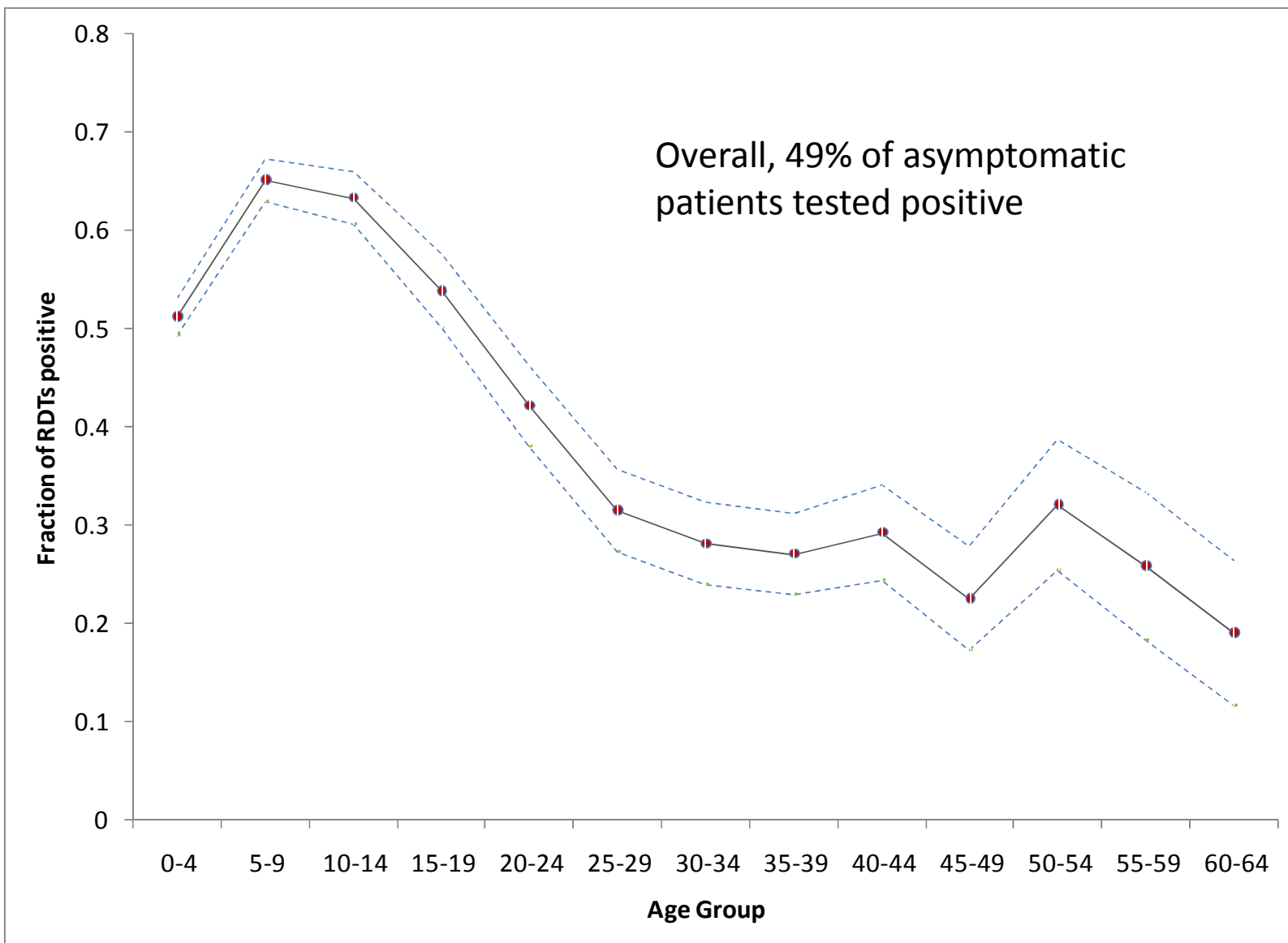
## Main Findings

- The percentage of fever patients getting an ACT has increased from about 30% in June 2011 to 40% in April 2012 (and the quinine share has fallen by about the same amount)
- Increases in ACT access are particularly large for low SES households
- Testing affects but no necessarily determines treatment choice:
  - about 50% don't get an ACT even when tested positive
  - about 25% get an ACT even when the test result is negative

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# Backup Slides

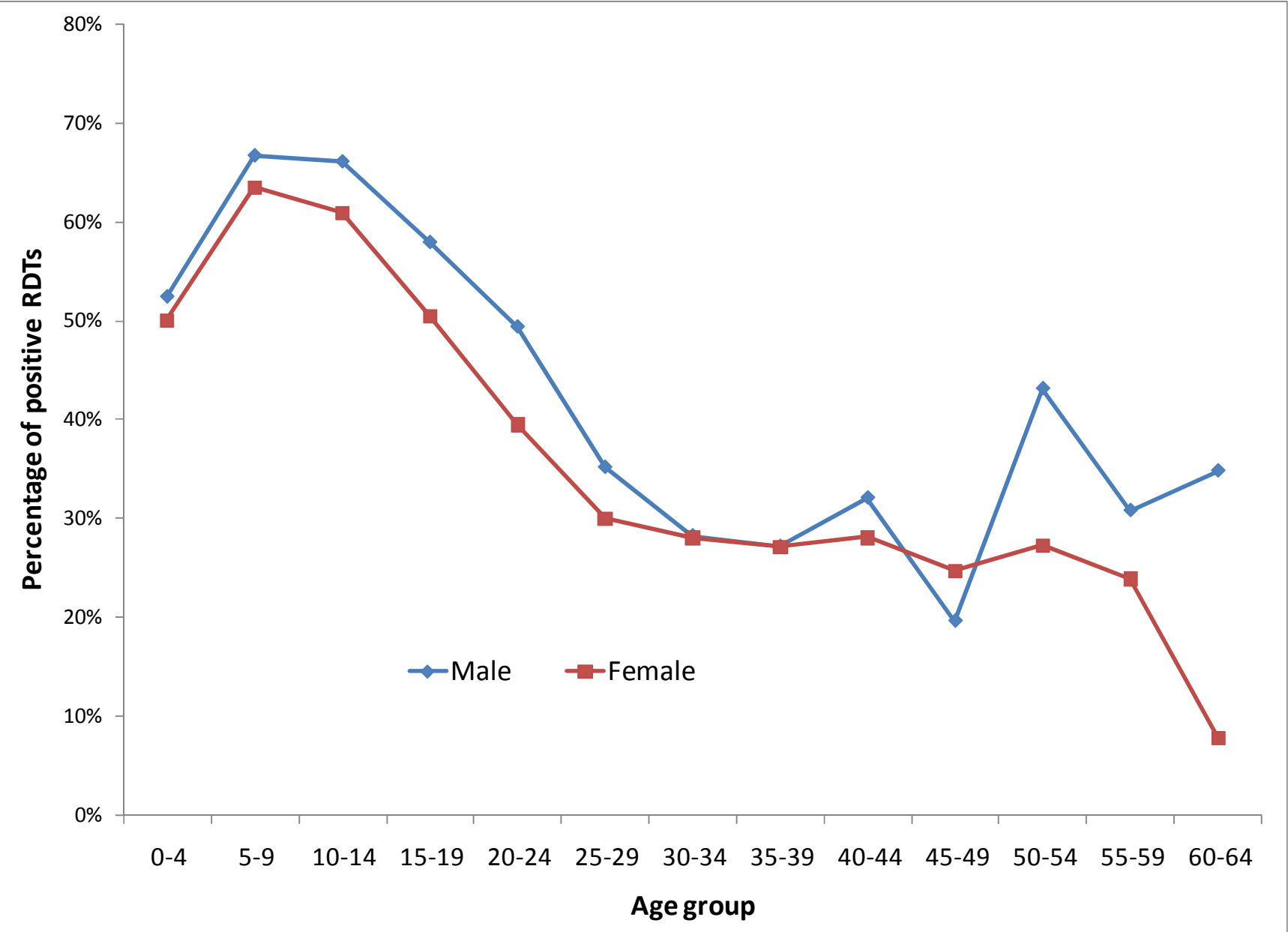
# Positivity by Age Group





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# Parasitemia by Sex



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# Malaria Seasonality

