



Nigeria National Outlet Survey 2013

Chinazo Ujuju

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ACTwatch produces standardized malaria medicine and diagnostic evidence across 13 countries



BILL & MELINDA
GATES foundation



Context for ACTwatch Outlet Surveys in Nigeria



Co-paid ACTs – Global Fund

AMFm

New Funding Model



ACT and RDT scale up strategies

2009

2010

2011

2012

2013

2014

2015

Outlet Survey Study Population

Study Population: Outlets with antimalarials or with malaria blood testing available

What is an outlet?

- Public health facility
- Private not-for-profit health facility
- CHW
- Private for-profit health facility
- Pharmacy
- Drug shop - PPMV
- General retailer
- Itinerant drug vendor



Sampling

Representative sample of clusters
(localities) from 6 geopolitical domains:
NC, NE, NW, SE, SS, SW

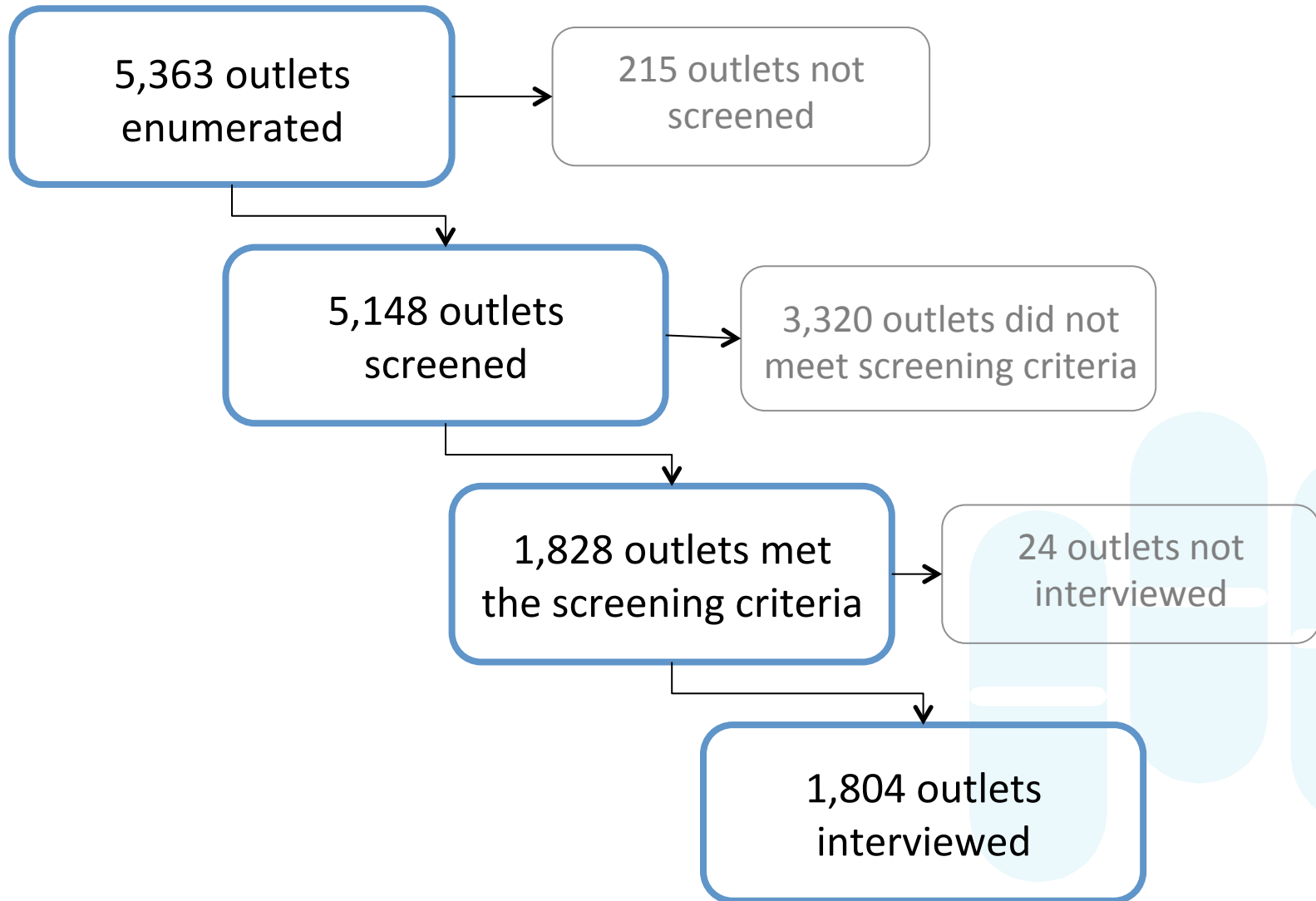
Complete a **census** of all potentially
eligible outlets

Extend the census area to LGA for
public health facilities

Screen for antimalarials in stock or
malaria blood testing available



Survey Sample



Antimalarial and RDT Audits

Record information about each product in stock

- Formulation (tablet, syrup, injection, etc.)
- Brand/generic names
- Strength
- Manufacturer
- Country of manufacture
- Amount distributed in the past week
- Retail and wholesale price
- Presence of co-payment logo 



Quality-Assured ACTs (QAACT):

- Comply with the Global Fund Quality-Assurance Policy.
- Appeared on the Global Fund's indicative list of antimalarials meeting the quality-assurance policy during data collection.
- Classified in ACTwatch studies according to drug information captured during the audit:
 - Brand name
 - Active ingredients & strengths
 - Manufacturer
 - Country of manufacture
 - Package size



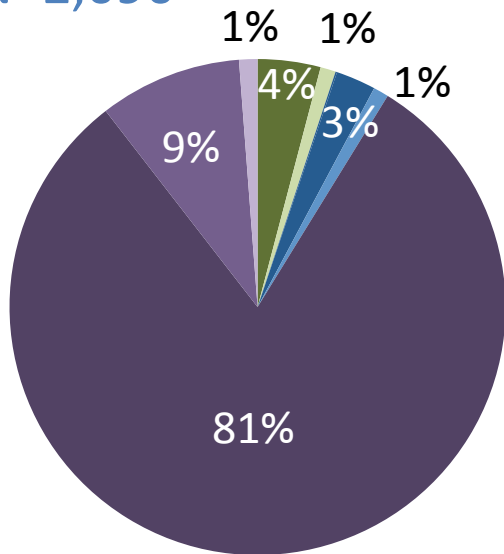
Outlets that Stock Antimalarials



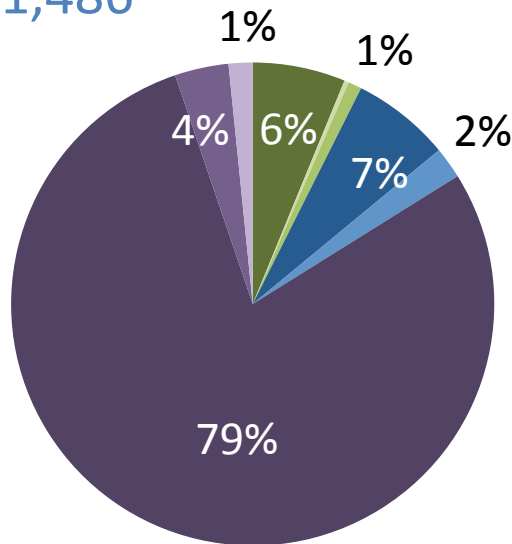
Market Composition

Outlet type, among outlets stocking any antimalarial

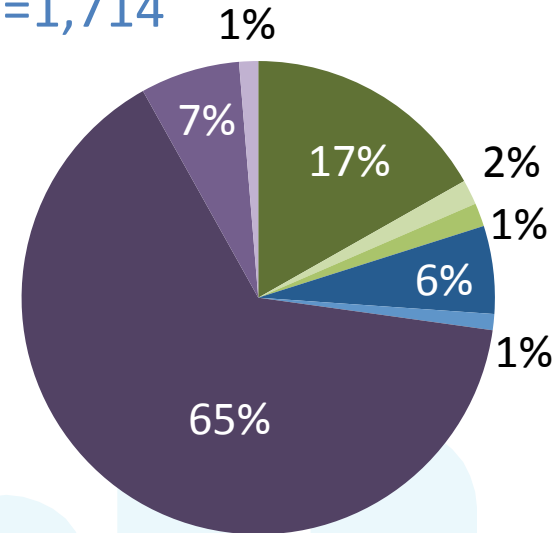
2009
N=2,090



2011
N=1,486



2013
N=1,714



- Public Health Facility
- CHW
- Private Not-for-Profit Health facility
- Private for-Profit Health Facility
- Pharmacy
- Drug Store (PPMV)
- General Retailer
- Itinerant Drug Vendor

Readiness for Malaria Case Management

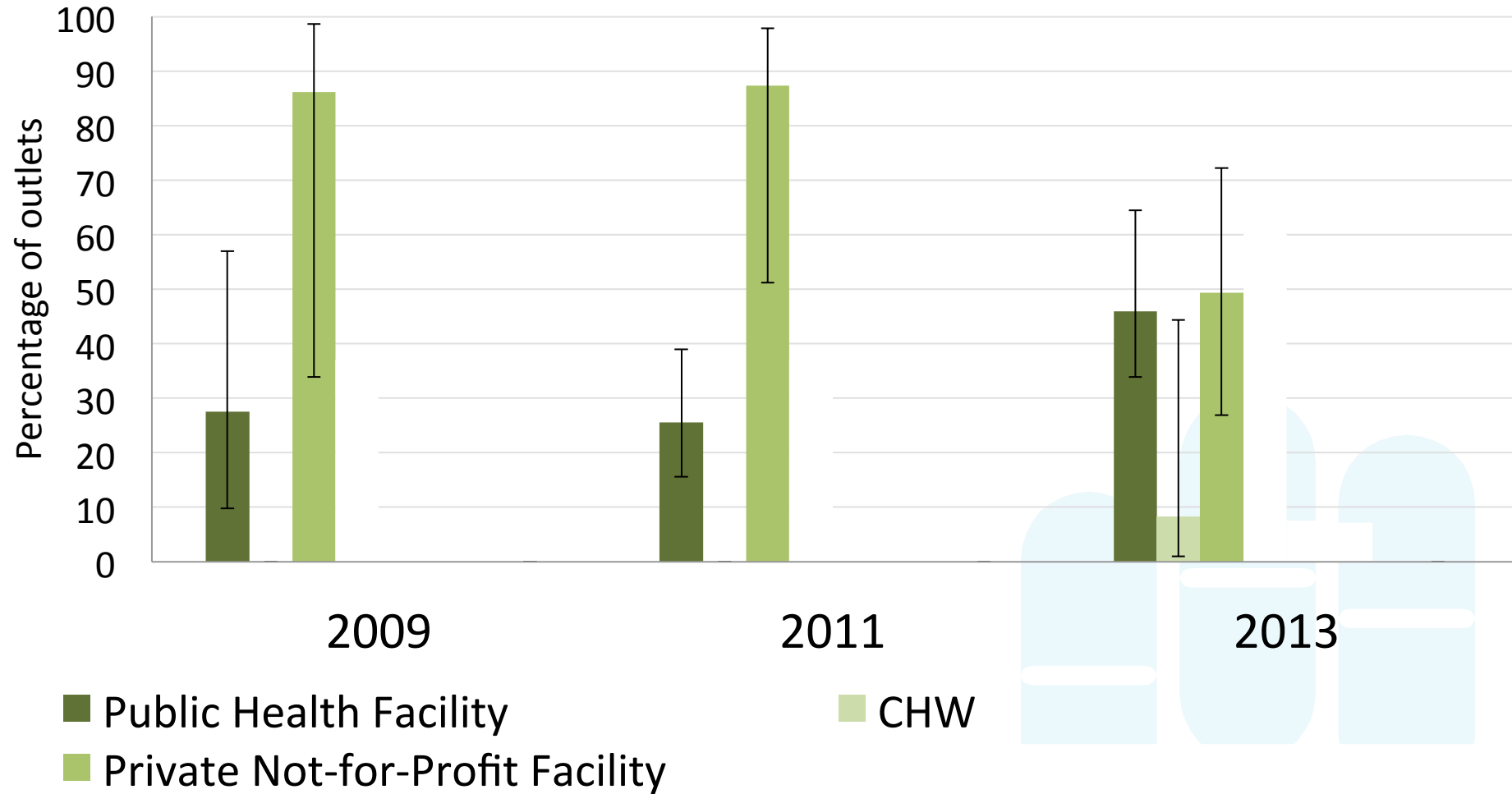
Ability to Test & Treat

Among antimalarial-stocking outlets



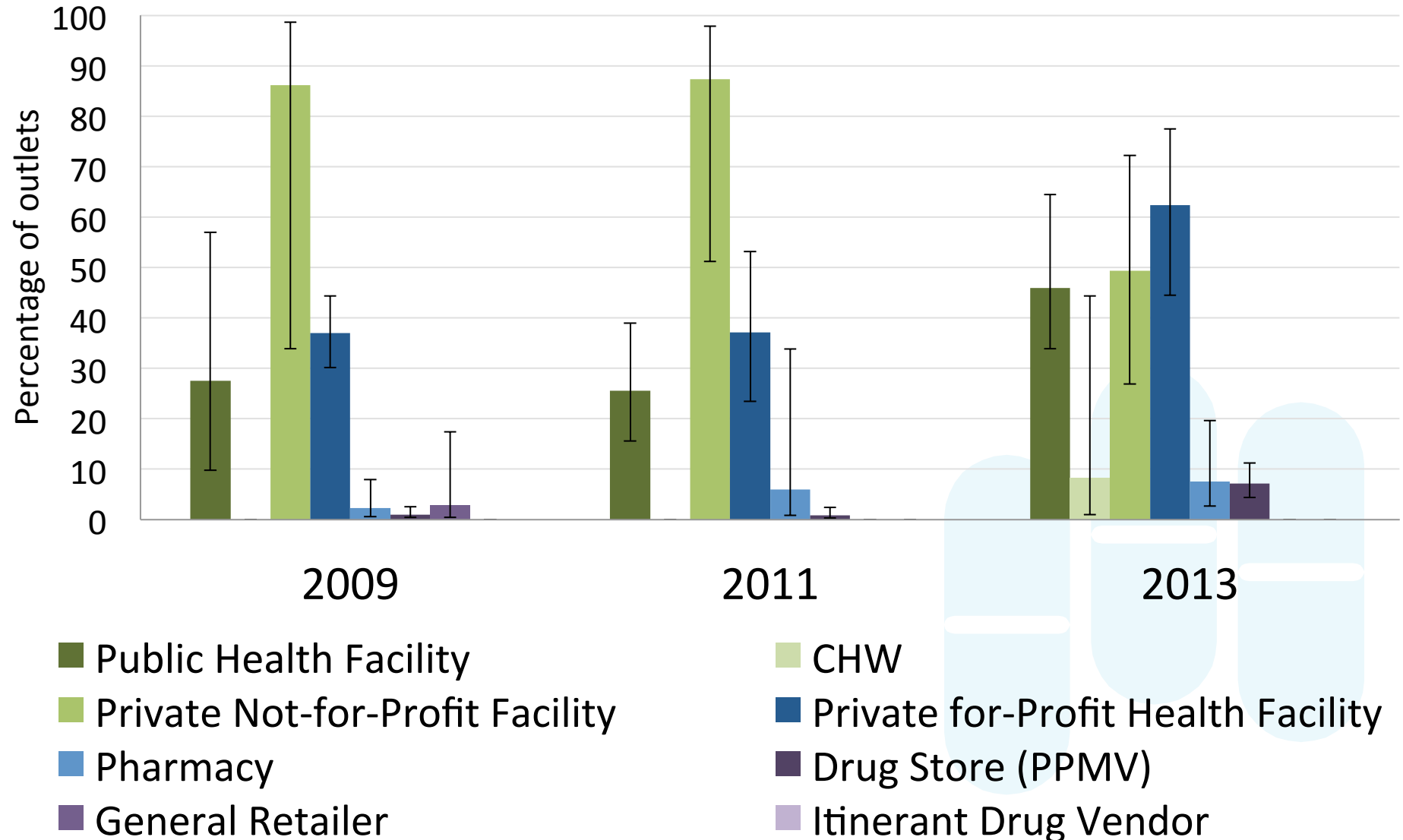
Availability of Malaria Blood Testing (RDT or Microscopy)

Among outlets stocking antimalarials



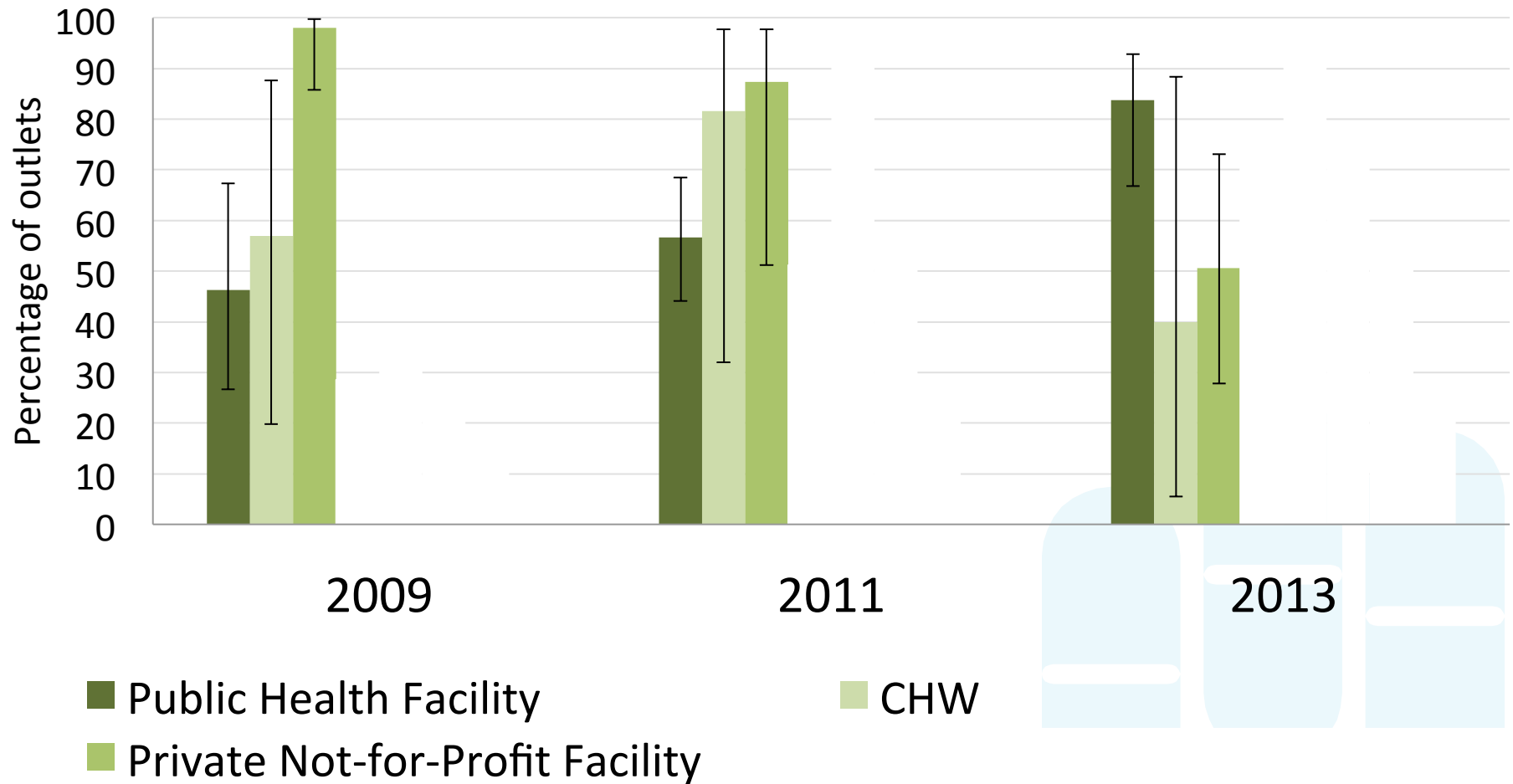
Availability of Malaria Blood Testing (RDT or Microscopy)

Among outlets stocking antimalarials



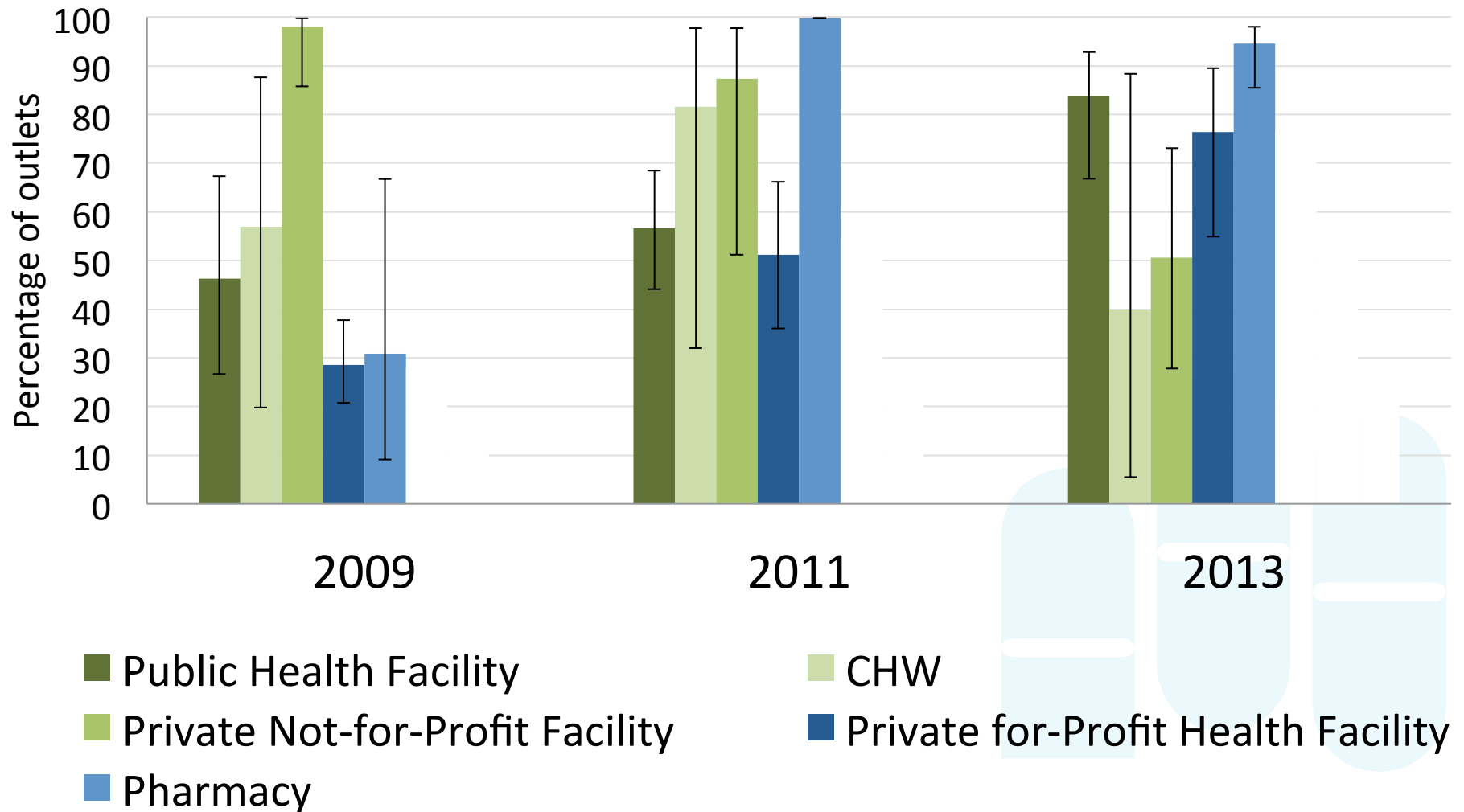
Availability of Quality-Assured ACT

Among outlets stocking antimalarials



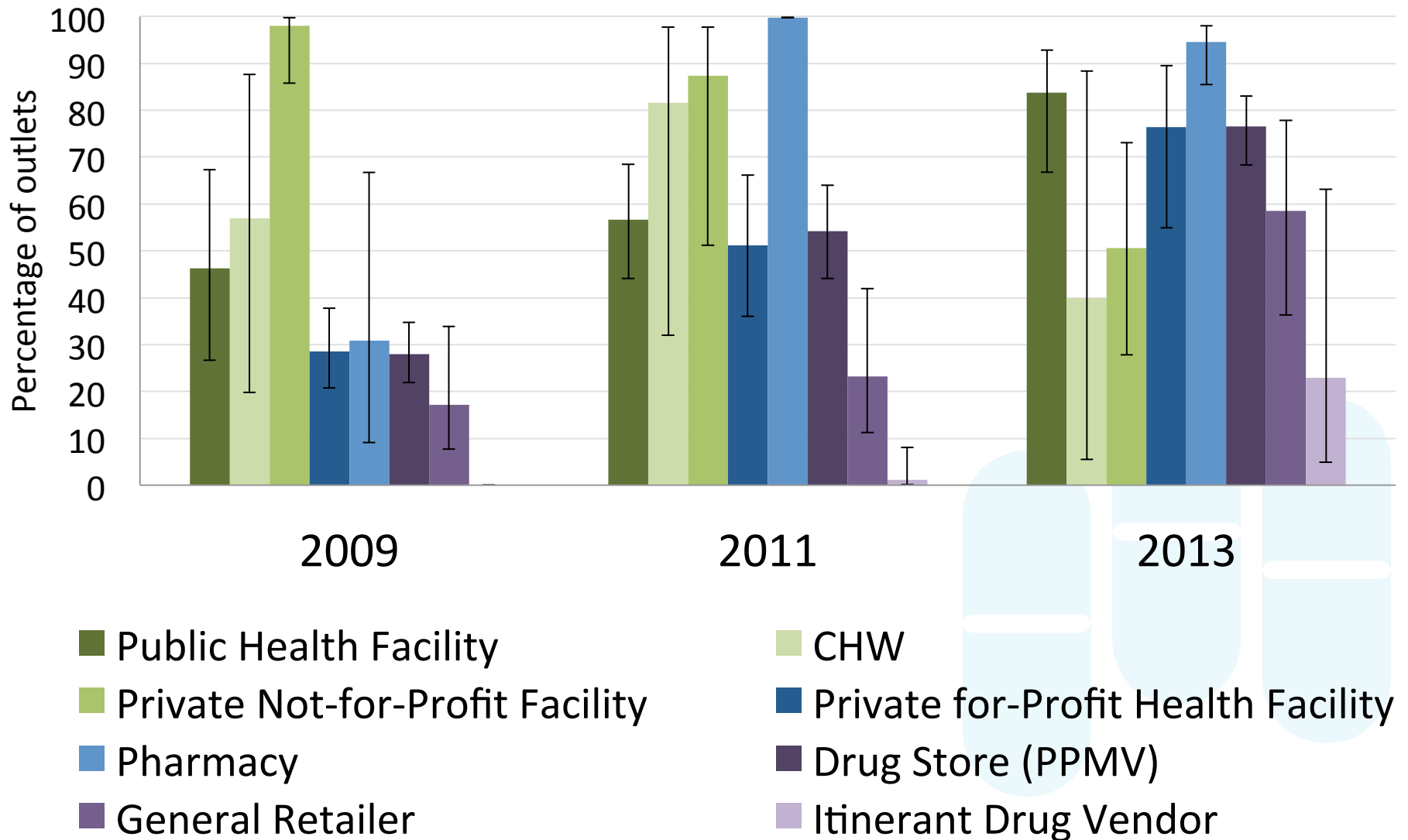
Availability of Quality-Assured ACT

Among outlets stocking antimalarials



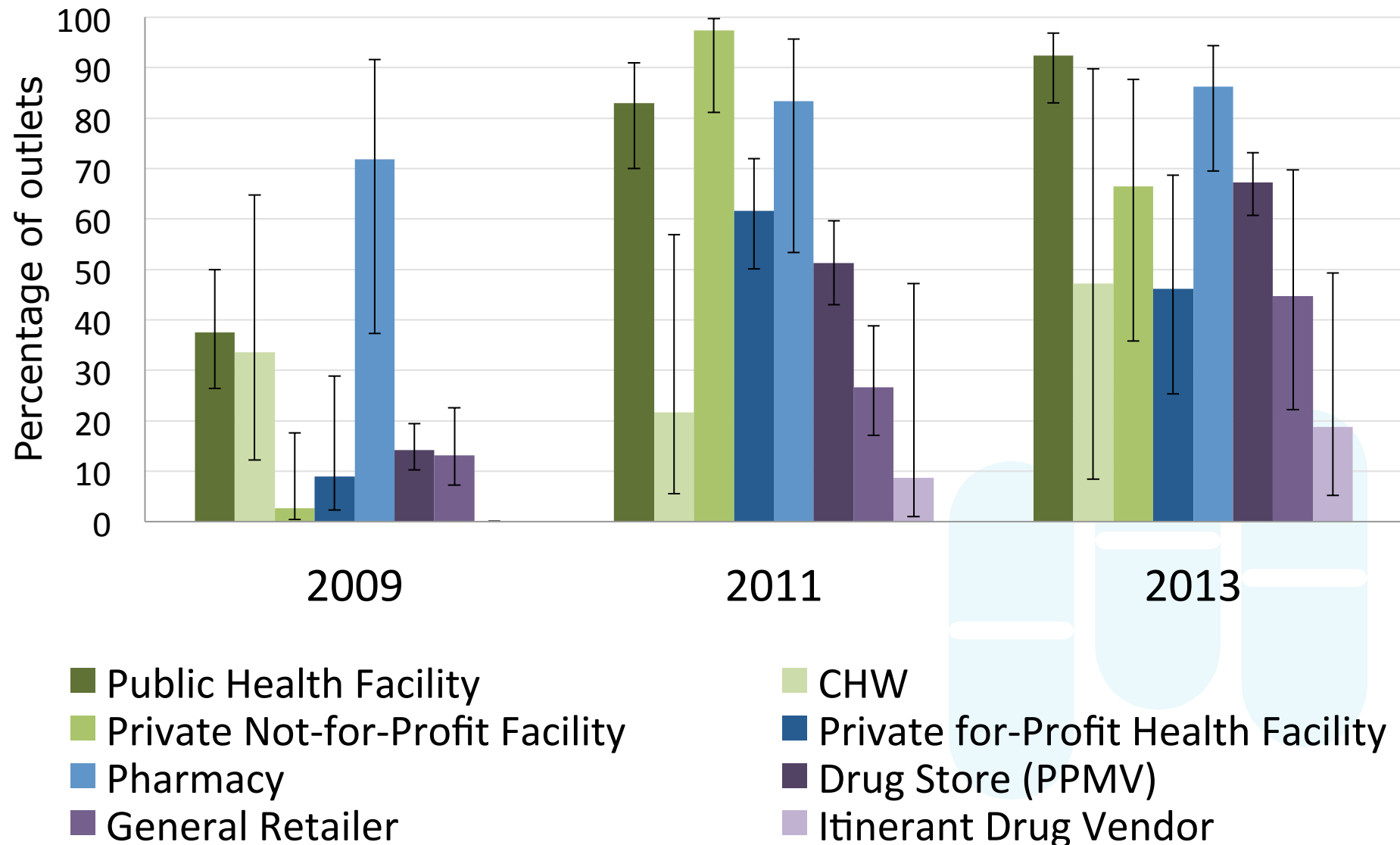
Availability of Quality-Assured ACT

Among outlets stocking antimalarials



Correct Knowledge: First-Line Treatment

Among outlets stocking antimalarials

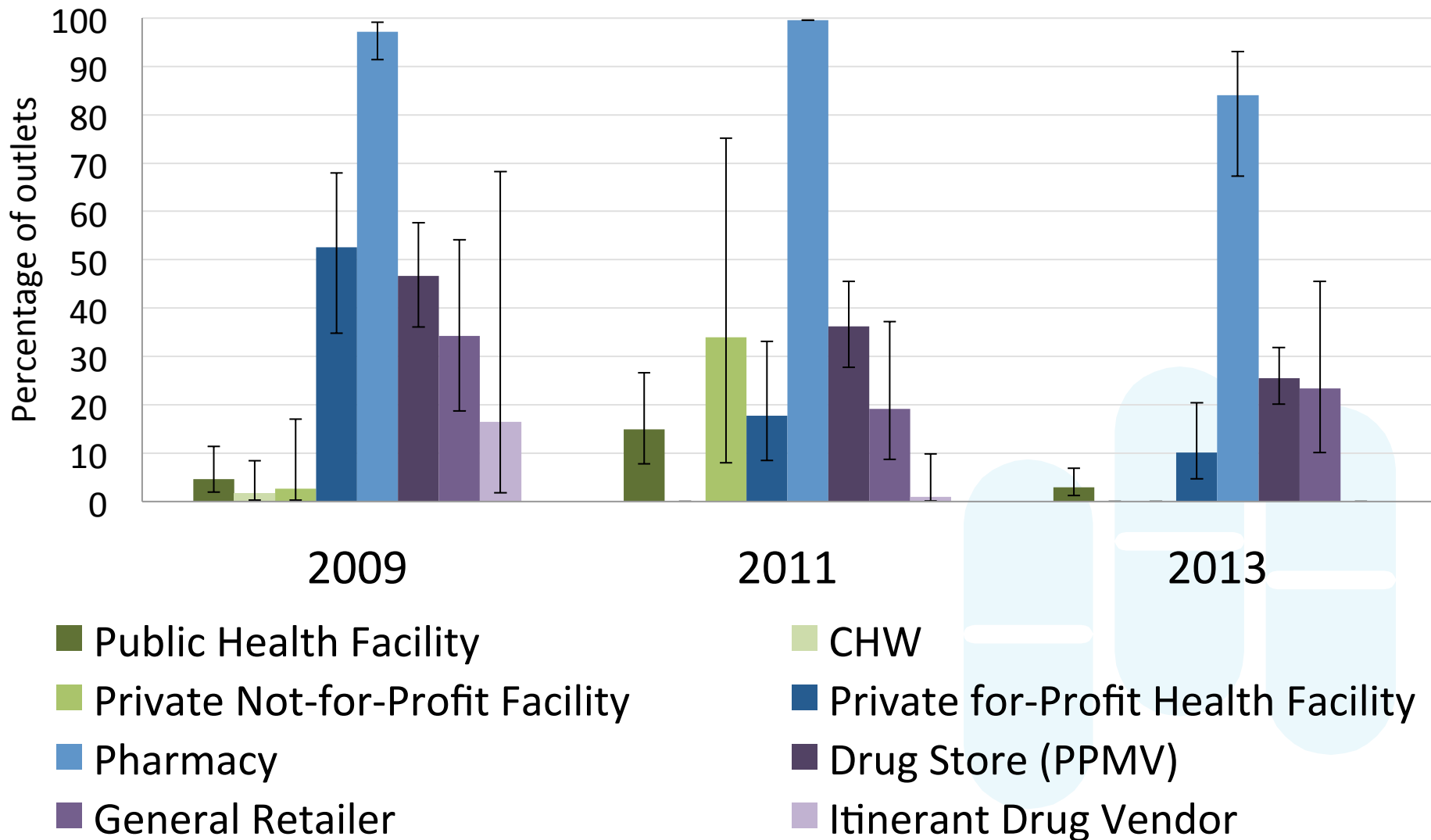


Adherence to the Ban on Oral Artemisinin Monotherapy



Availability of Oral Artemisinin Monotherapy

Among outlets stocking antimalarials

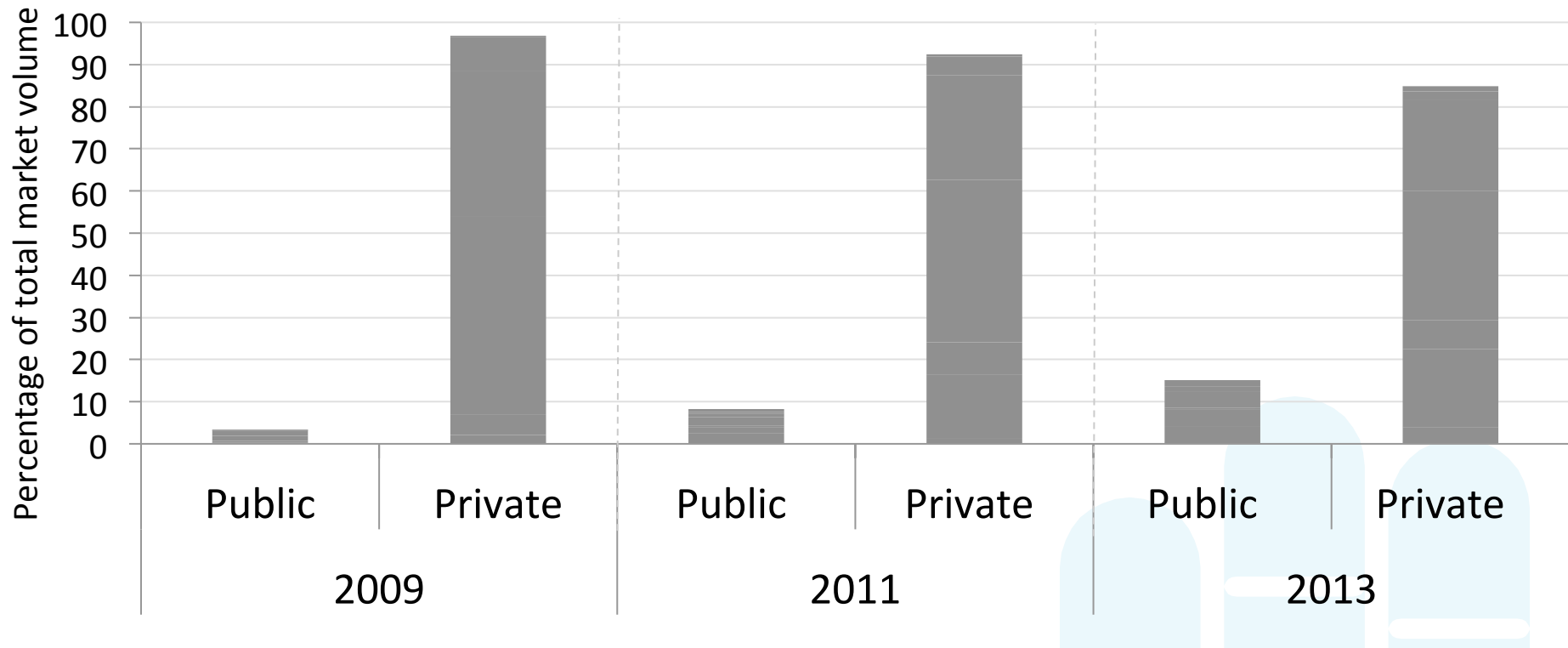


Antimalarial Outlet Performance



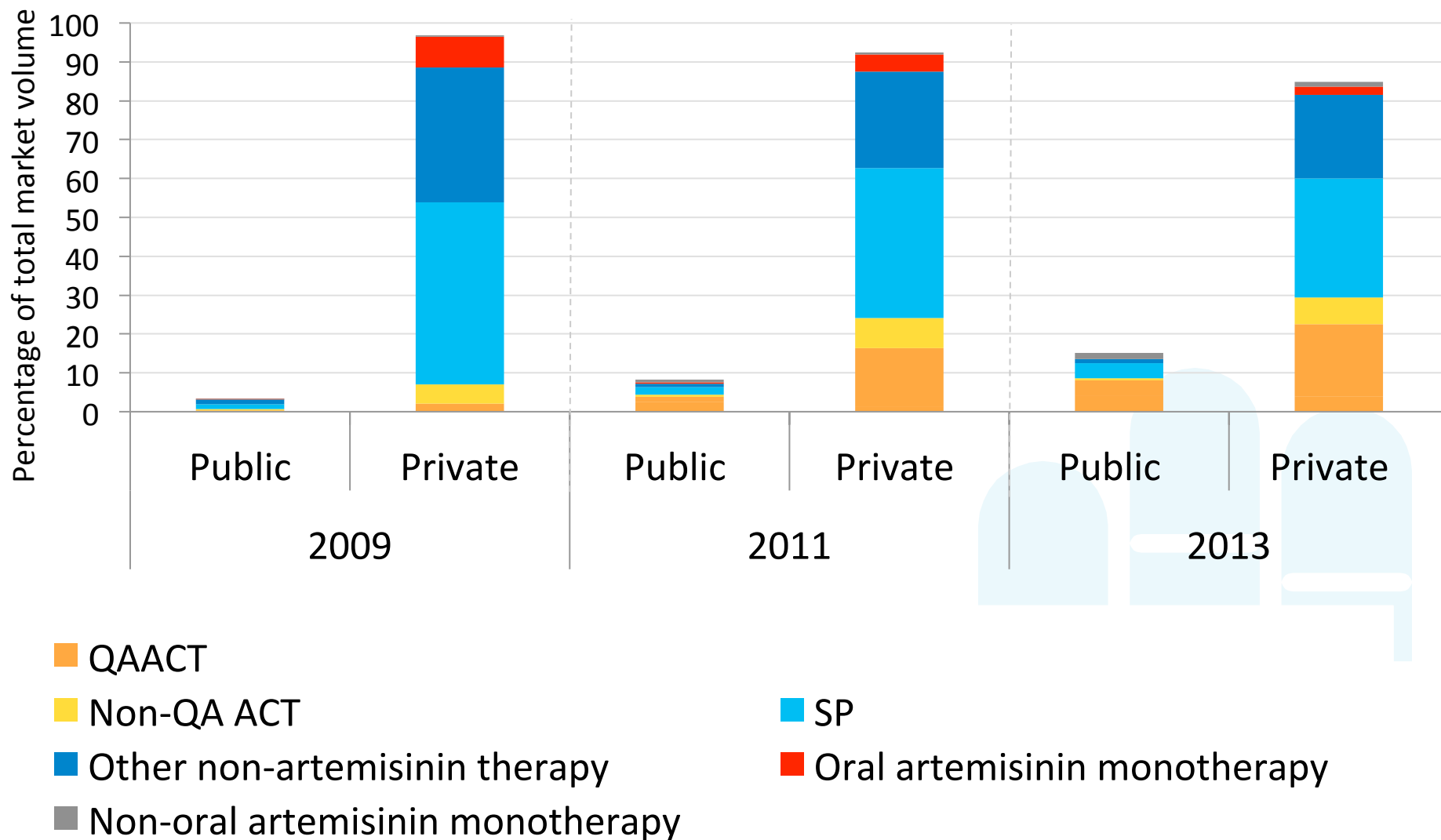
Antimalarial Market Share

Relative volumes sold/distributed



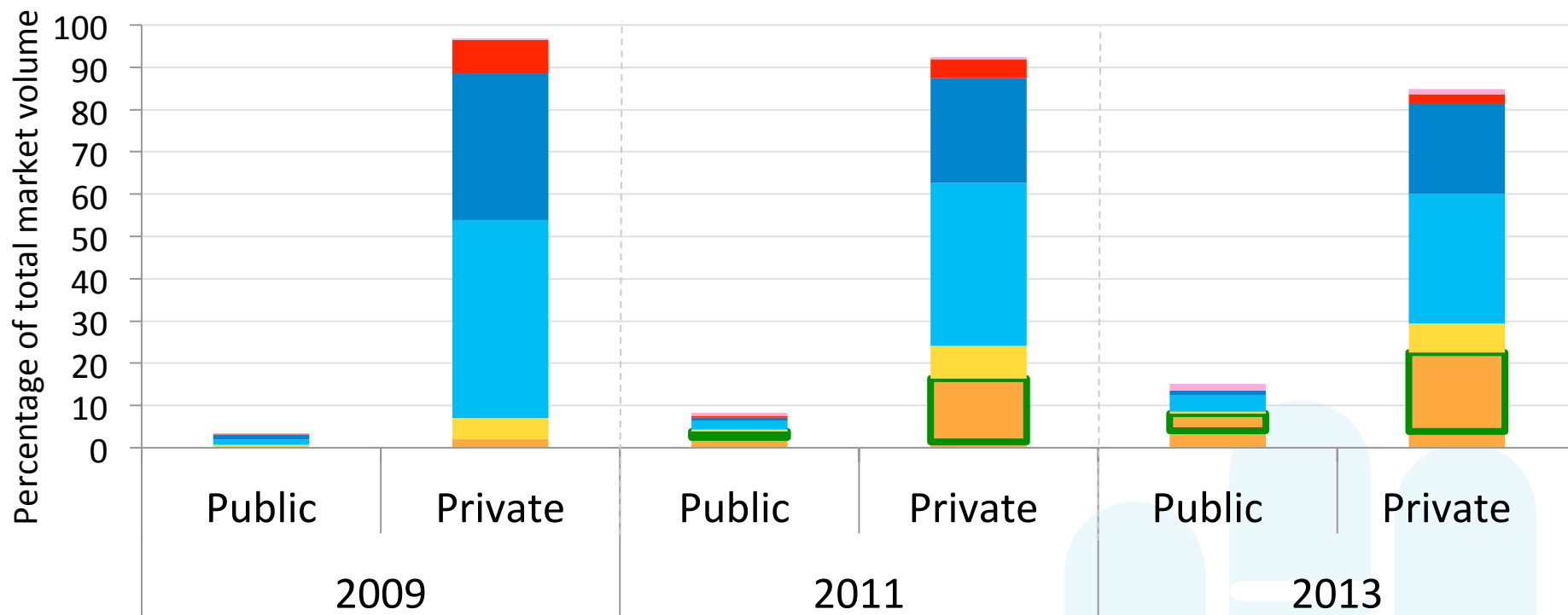
Antimalarial Market Share

Relative volumes sold/distributed



Antimalarial Market Share

Relative volumes sold/distributed



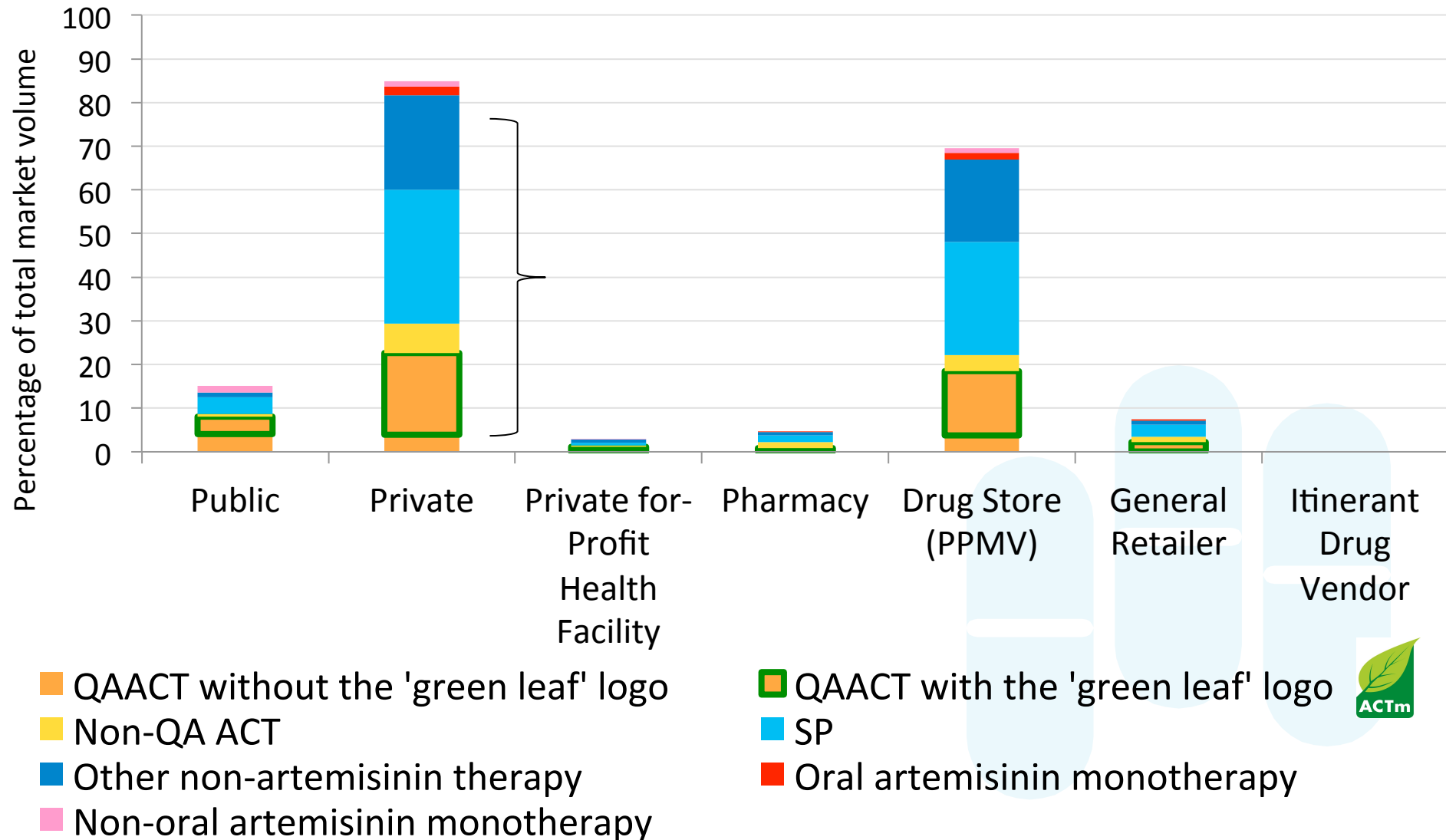
- QA ACT without 'green leaf'
- Non-QA ACT
- Other non-artemisinin therapy
- Non-oral artemisinin monotherapy

- QA ACT with 'green leaf'
- SP
- Oral artemisinin monotherapy



Antimalarial Market Share, Nigeria 2013

Relative volumes sold/distributed

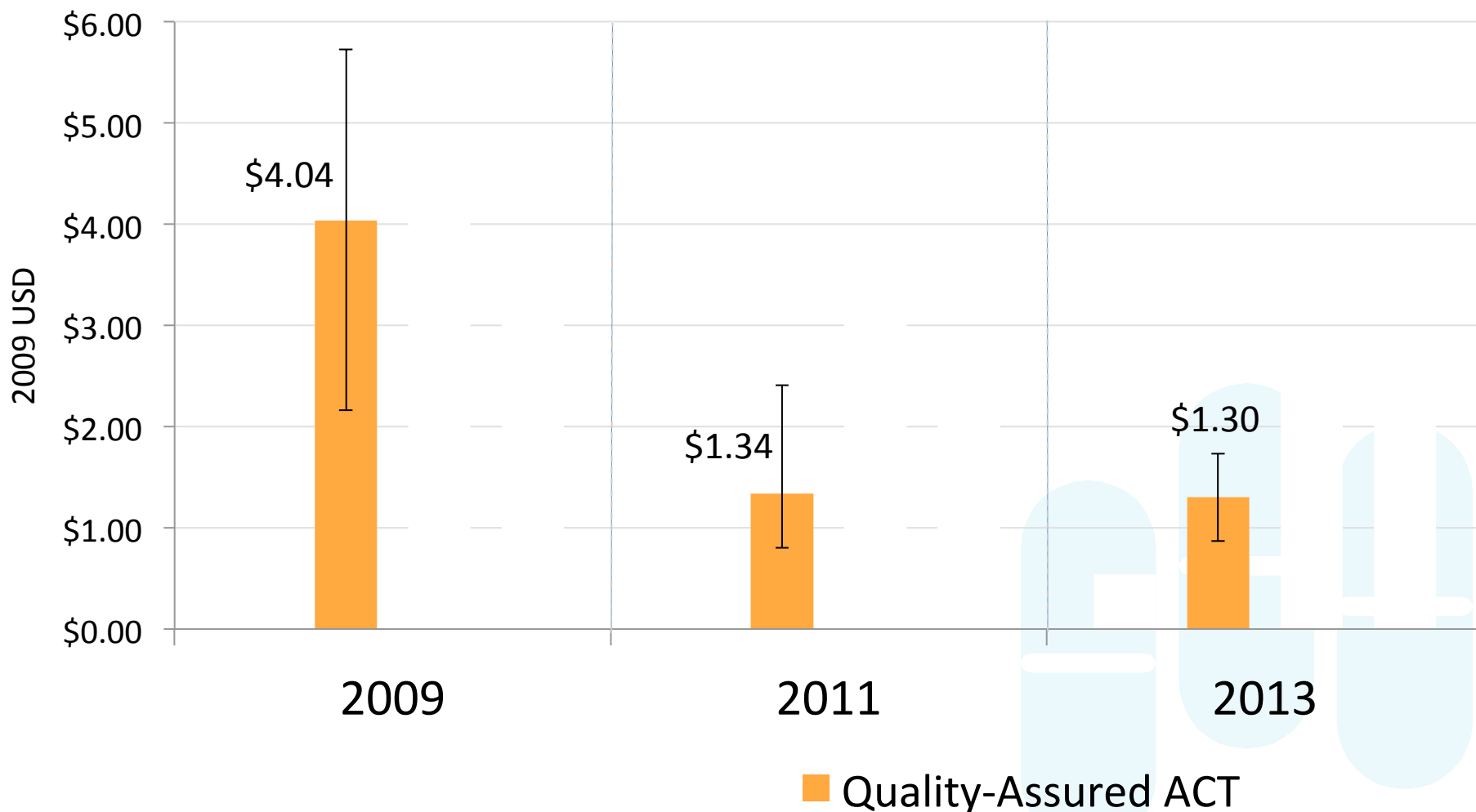


Private Sector Price



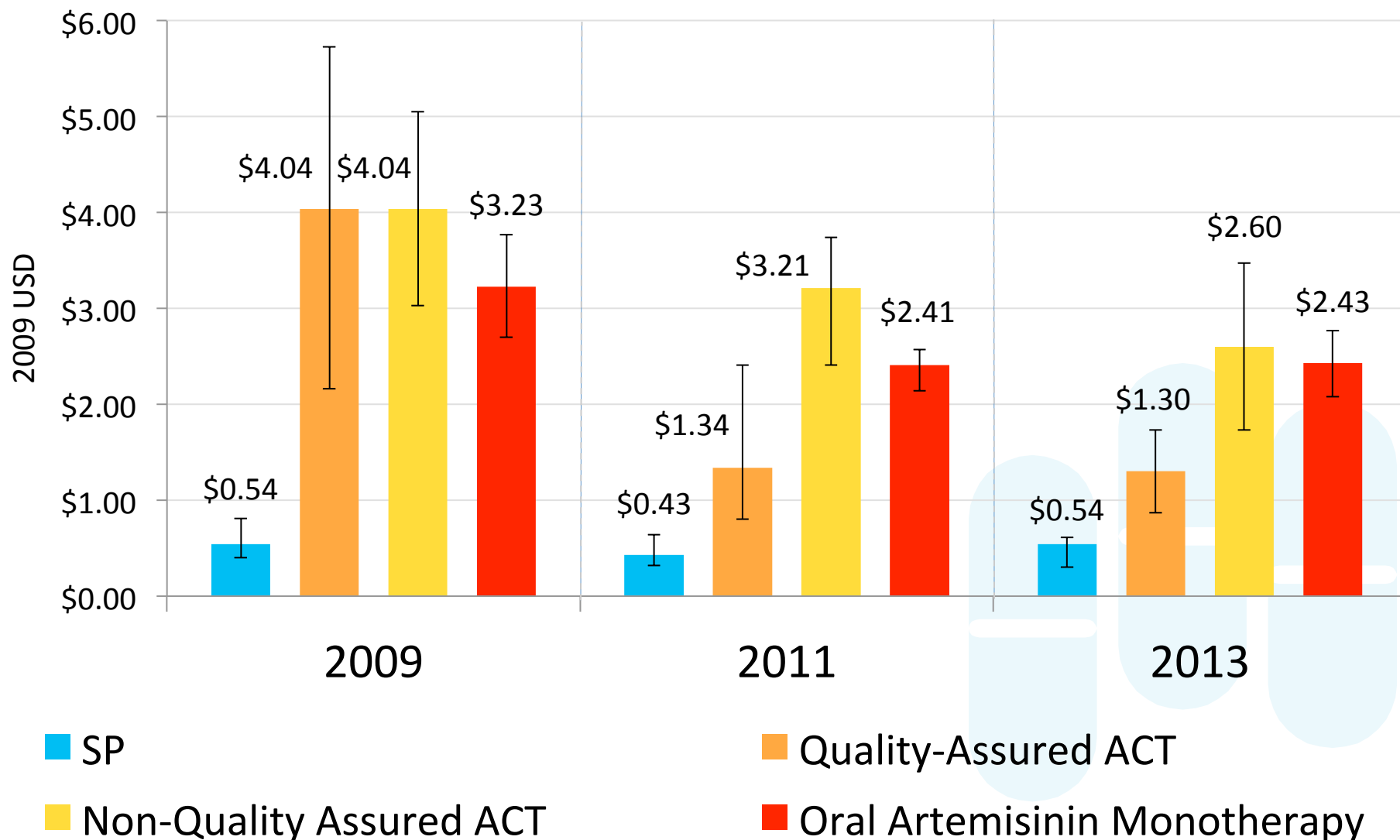
Median Private Sector Antimalarial Price, 2009 USD

1 Adult Equivalent Treatment Dose, tablet formulation



Median Private Sector Antimalarial Price, 2009 USD

1 Adult Equivalent Treatment Dose, tablet formulation



Summary of National Trends

1. Recent success has been achieved in improving public & private sector outlet readiness to test & treat malaria
 - High availability of quality-assured ACT
 - Improvements in provider knowledge of the first-line treatment
 - Improvement in availability of malaria blood testing among public health facilities
 - Gaps remain among public and private facilities
 - PPMVs generally do not have blood testing available



Summary of National Trends

2. Some improvement in the relative market share for quality-assured ACT

- 85% of antimalarials are distributed through the private sector; 70% through PPMVs alone
 - QA ACT market share is improving, however the vast majority of antimalarials distributed in Nigeria are SP, chloroquine and non-QA ACT as well as oral artemisinin monotherapy.
 - Most QA ACT distributed in the private sector is ‘green leaf’ (co-paid) ACT



Summary of National Trends

3. Private Sector Price...

- Of 1 QA ACT AETD is more than 2 times higher than 1 SP AETD
 - This may be a barrier to stronger QA ACT relative market share
- Of QA ACT is less expensive than both oral artemisinin monotherapy and non-QA ACT



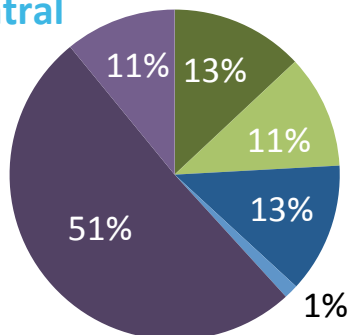
Geo-Political Area Comparisons



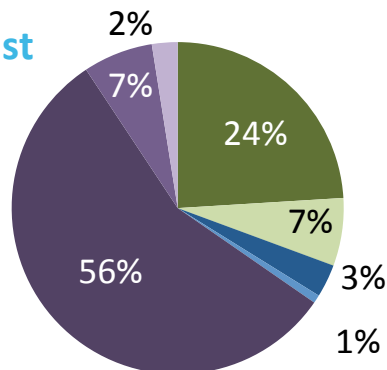
Market Composition

Outlet type, among outlet stocking any antimalarial

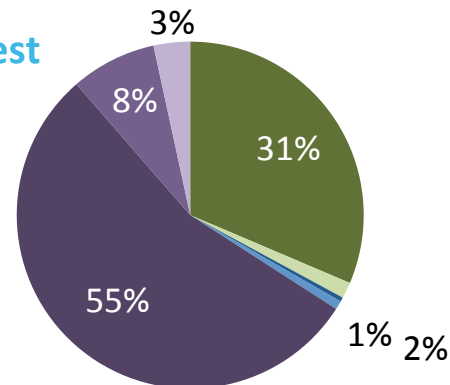
North Central
N=202



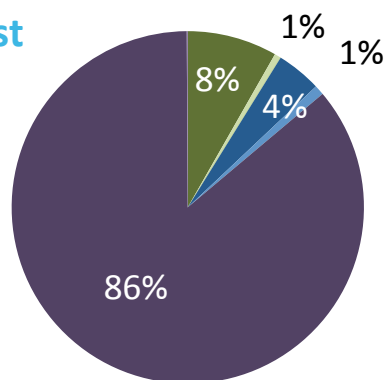
North East
N=225



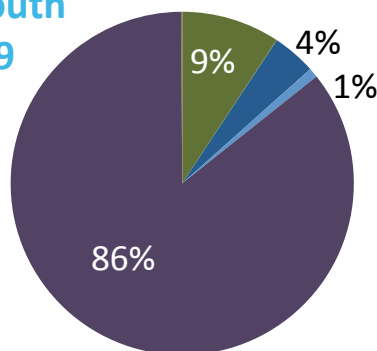
North West
N=206



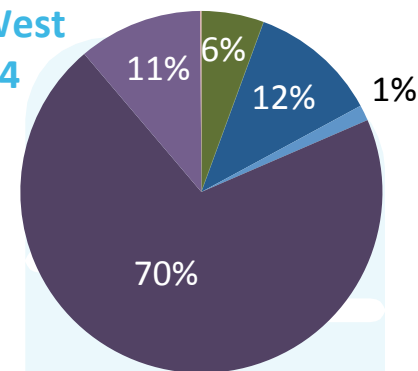
South East
N=228



South South
N=299



South West
N=554

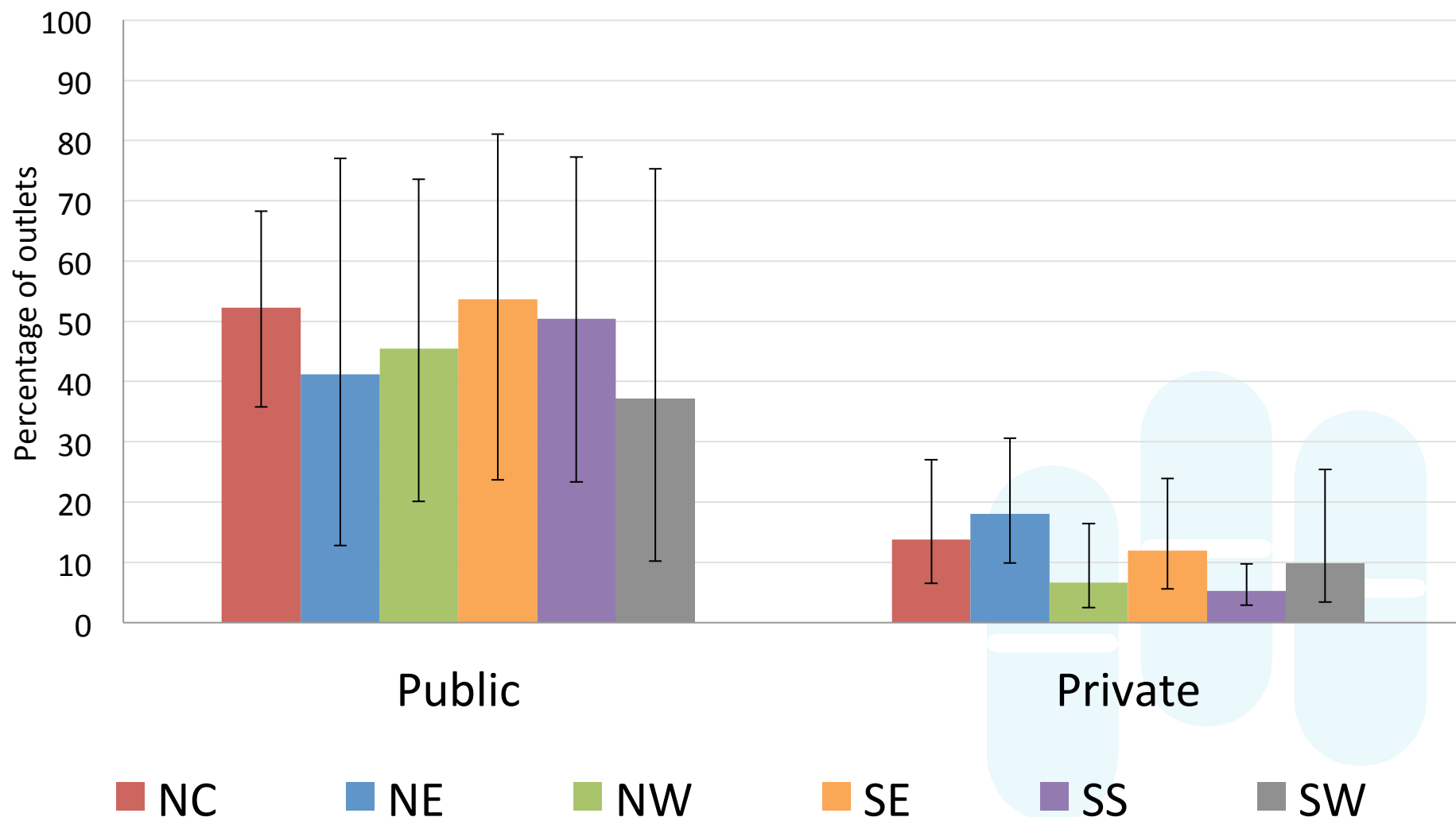


- Public Health Facility
- Private Not-for-Profit Health Facility
- Pharmacy
- General Retailer

- CHW
- Private for-Profit Health Facility
- Drug Store (PPMV)
- Itinerant Drug Vendor

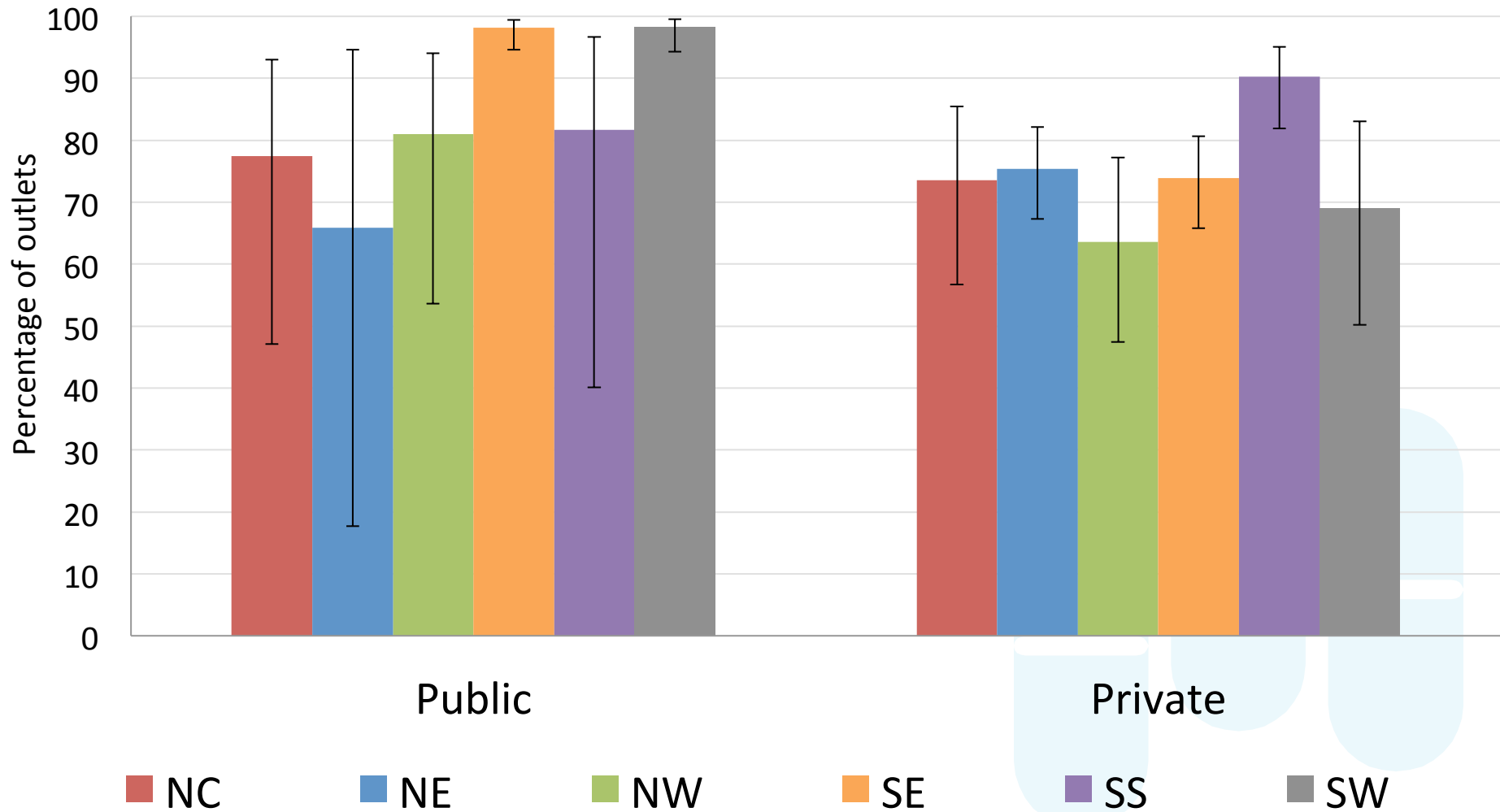
Availability of Malaria Blood Testing, RDT or Microscopy

Among outlets stocking antimalarials



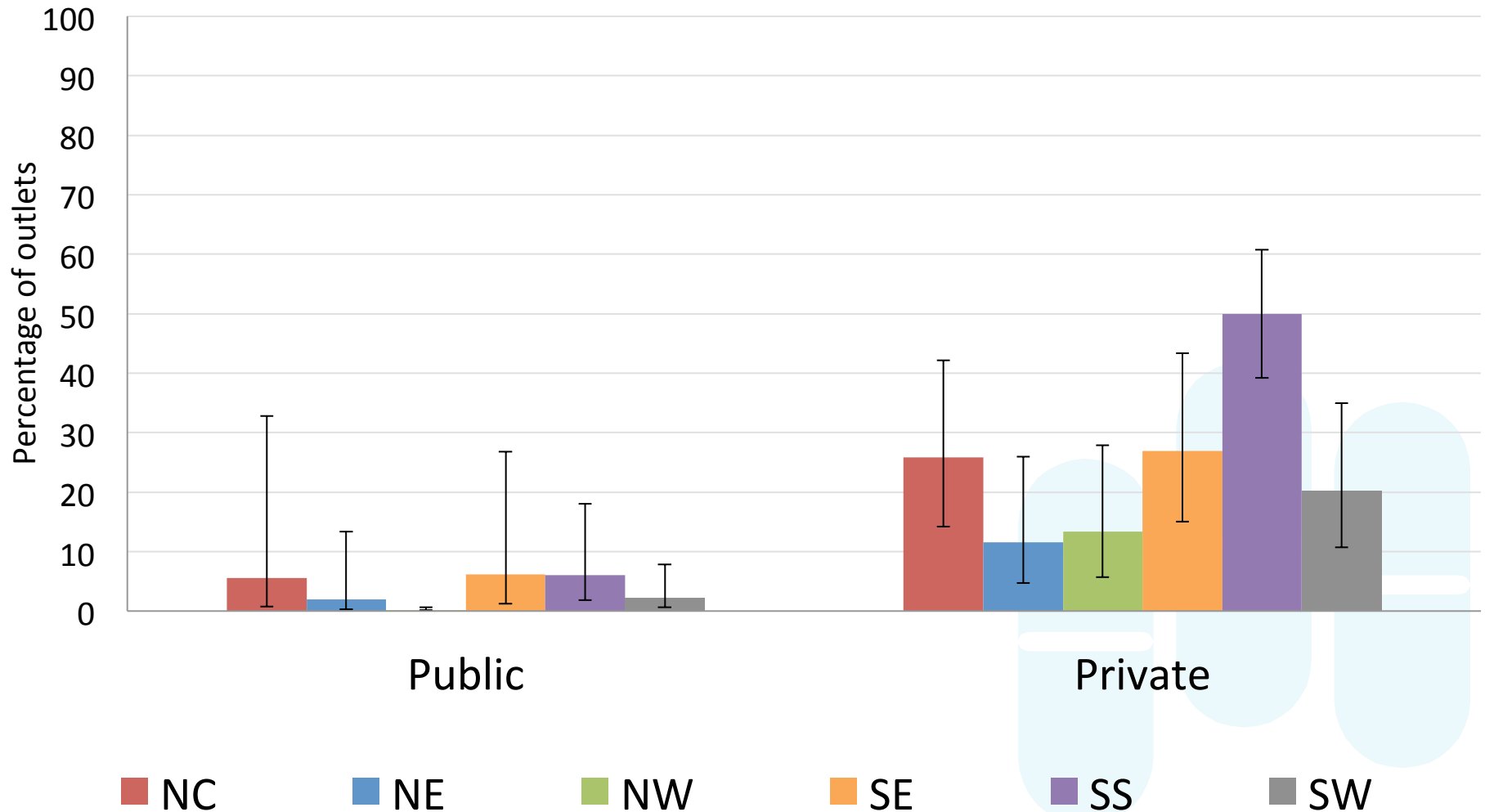
Availability of Quality-Assured ACT

Among outlets stocking antimalarials



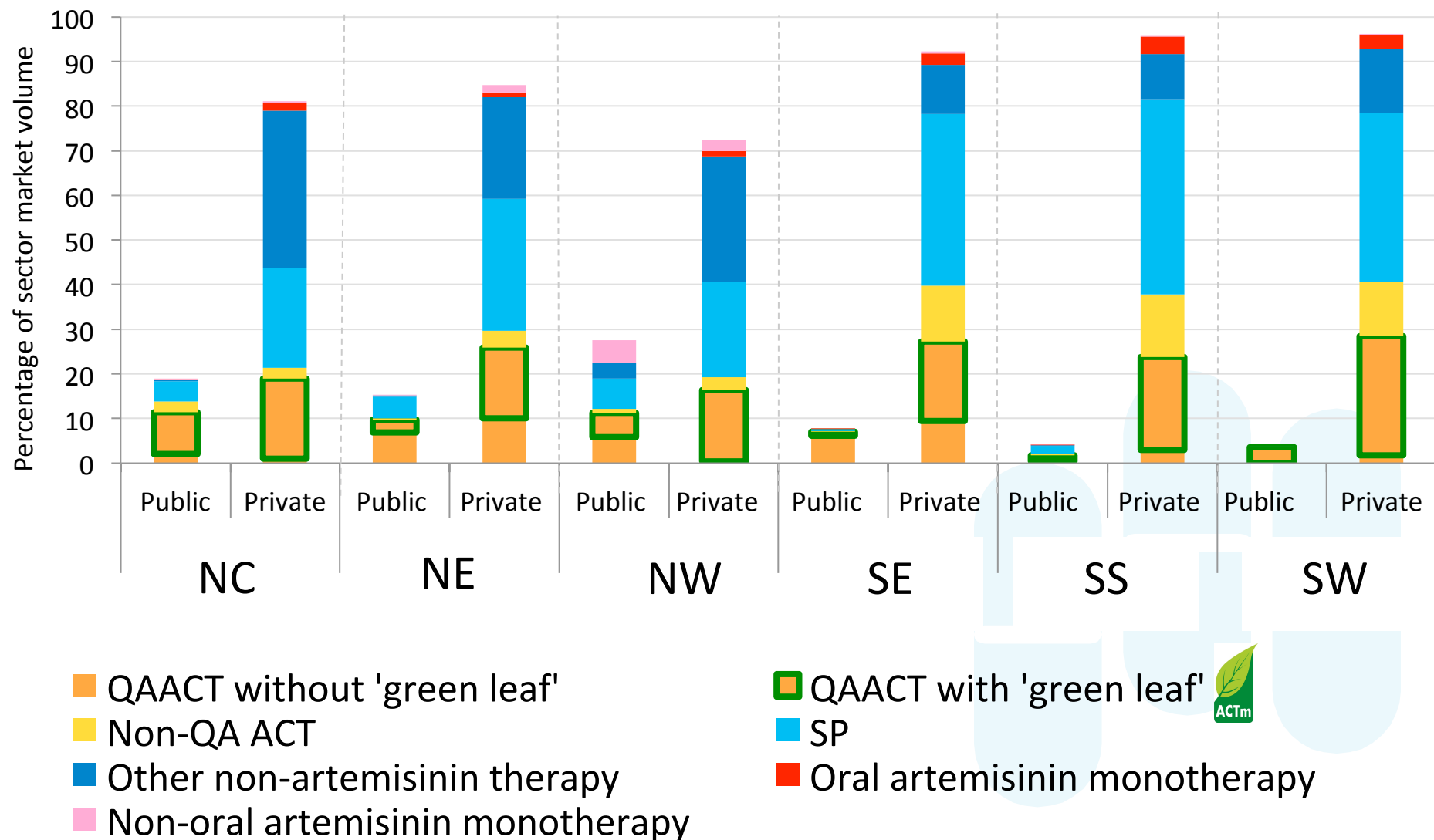
Availability of Oral Artemisinin Monotherapy

Among outlets stocking antimalarials



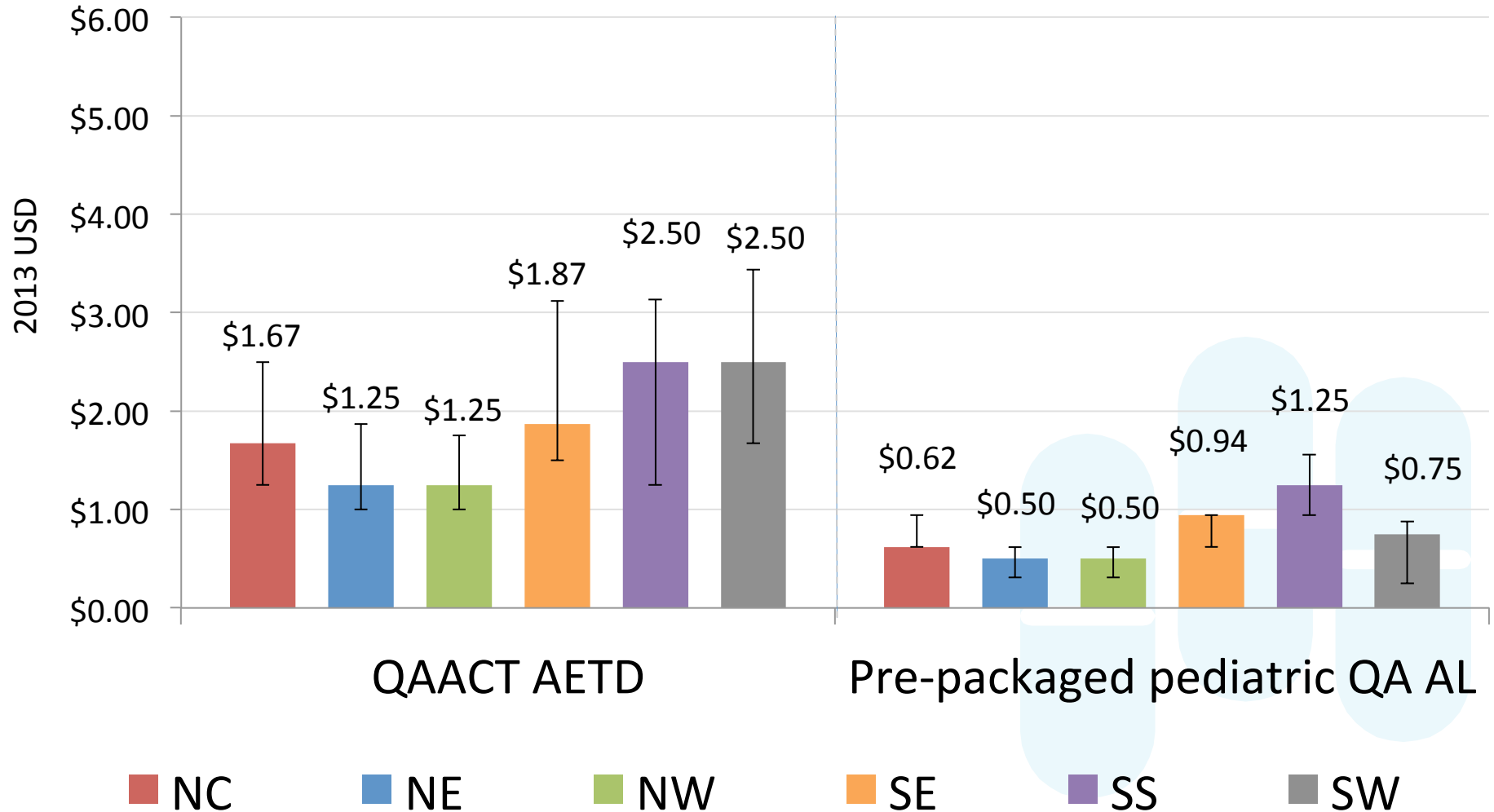
Antimalarial Market Share

Relative volumes sold/distributed



Median Private Sector Antimalarial Price, 2013 USD

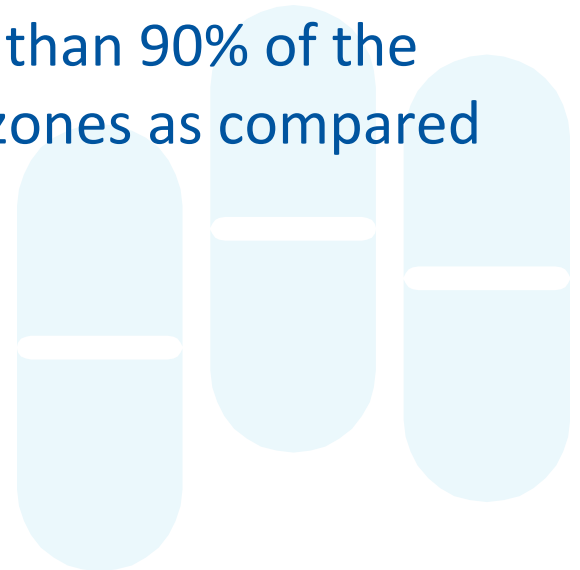
1 Adult Equivalent Treatment Dose, tablet formulation, or Pre-Packaged Child (2 Years) Dose



Summary of Geo-political Zone Comparisons

1. The relative role of the public sector varies across geo-political zone

- Public sector service delivery points are relatively more common in the north as compared with the south where the vast majority of antimalarial-stocking outlets were PPMVs
- The private sector accounted for more than 90% of the antimalarial market share in southern zones as compared with 70-85% in northern zones



Summary of Geo-political Zone Comparisons

2. QA ACT availability and market share vary slightly across geo-political zones

- QA ACT availability in the public sector ranges from 66% in NE to 98% in SW and SE.
- QA ACT availability in the private sector ranges from 64% in NW to 90% in SS.
- QA ACT market share ranges from 25% in SS to 36% in NE



Summary of Geo-political Zone Comparisons

3. Oral artemisinin monotherapy availability and market share vary across geo-political zone

- Availability among private sector outlets was 50% in SS as compared with less than 30% in NC, SE, and SW, and less than 20% in NE and NW.
- Market share ranged from 1% in NE and NW to 4% in SS.



Summary of Geo-political Zone Comparisons

4. Antimalarial private sector price varies across geo-political zone
 - QA ACT is relatively more expensive in the south, particularly SS and SW, as compared with the north, particularly NE and NW.



Thank You

- Government of Nigeria
- Ministry of Health
- National Malaria Elimination Program
- Fieldwork team
- SFH
- ACTwatch team

Please visit www.actwatch.info

Dr. Jennifer Anyanti, SFH
janyanti@sfhnigeria.org



Dr. Megan Littrell, ACTwatch
mlittrell@psi.org

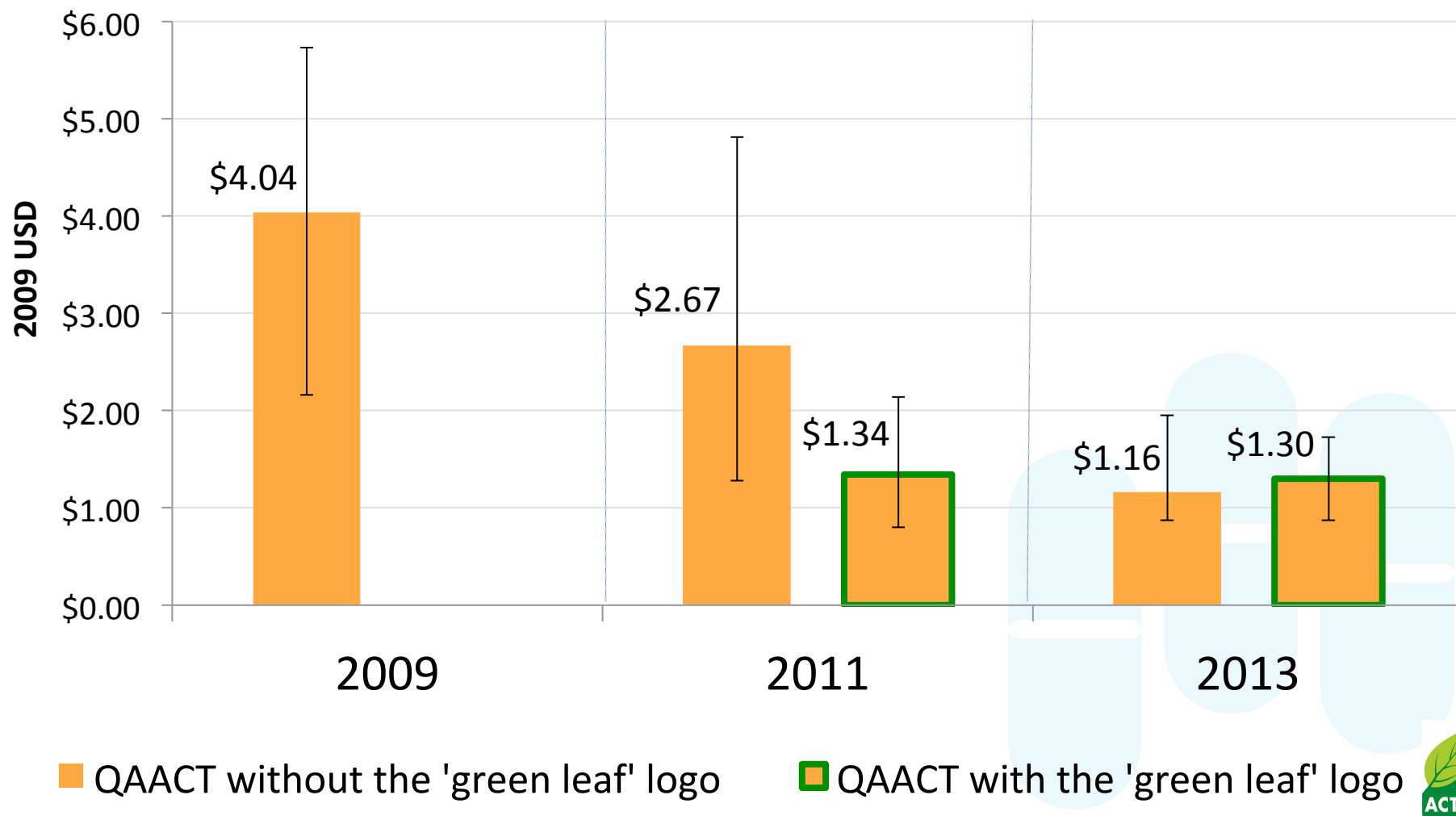


Additional Slides



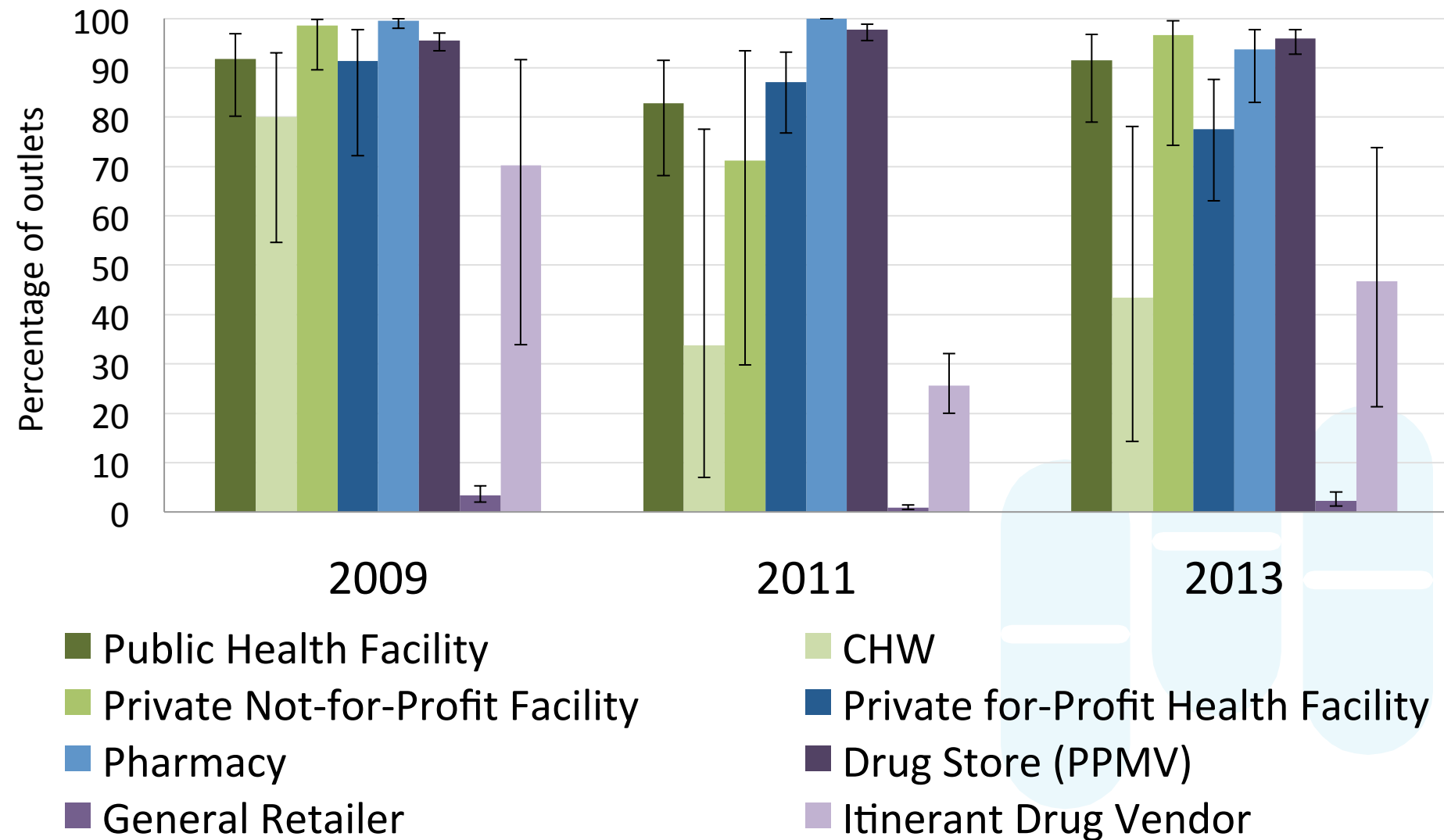
Median Private Sector Antimalarial Price, 2010 USD

1 Adult Equivalent Treatment Dose, tablet formulation



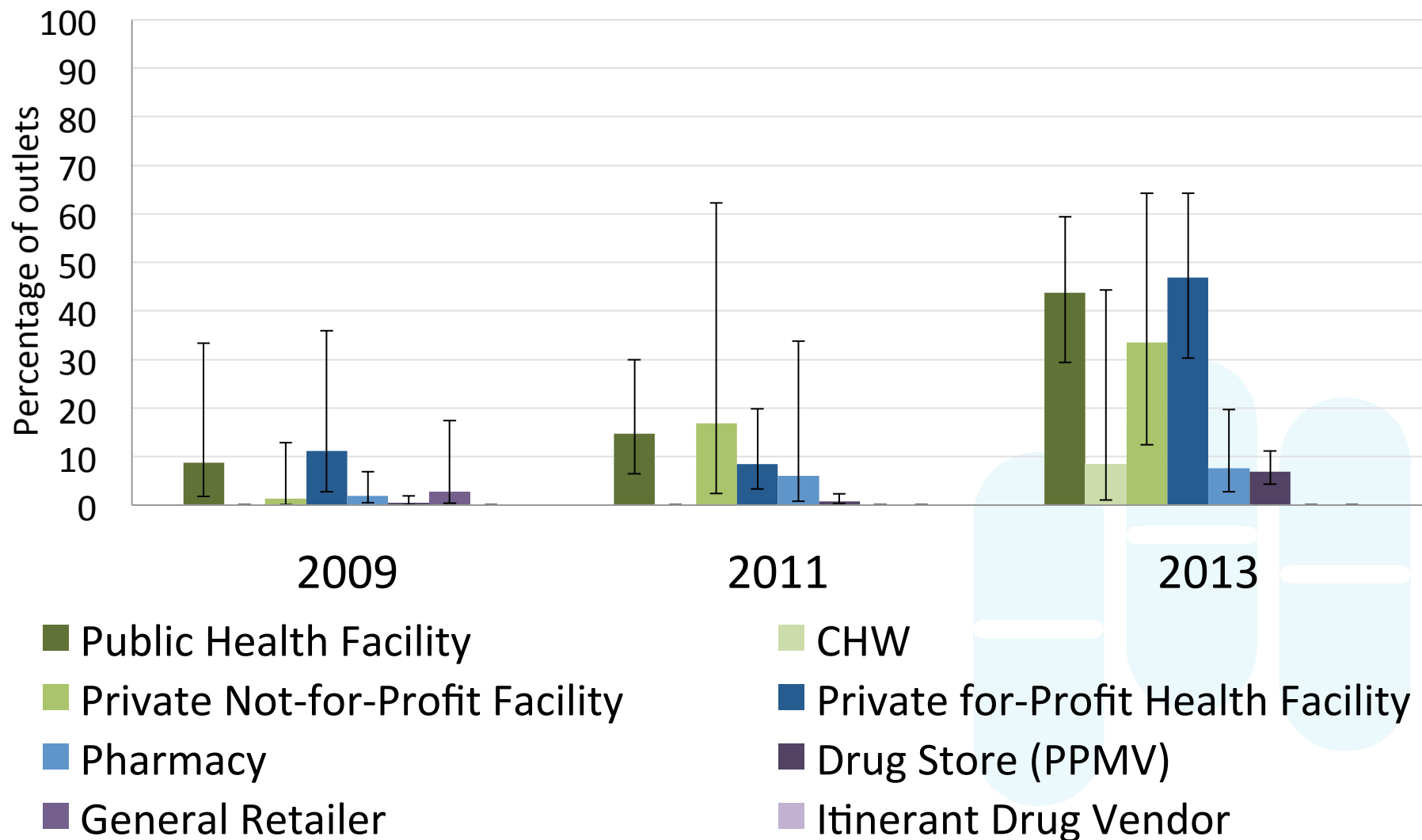
Availability of any Antimalarial

Among all screened outlets (N=5,148)



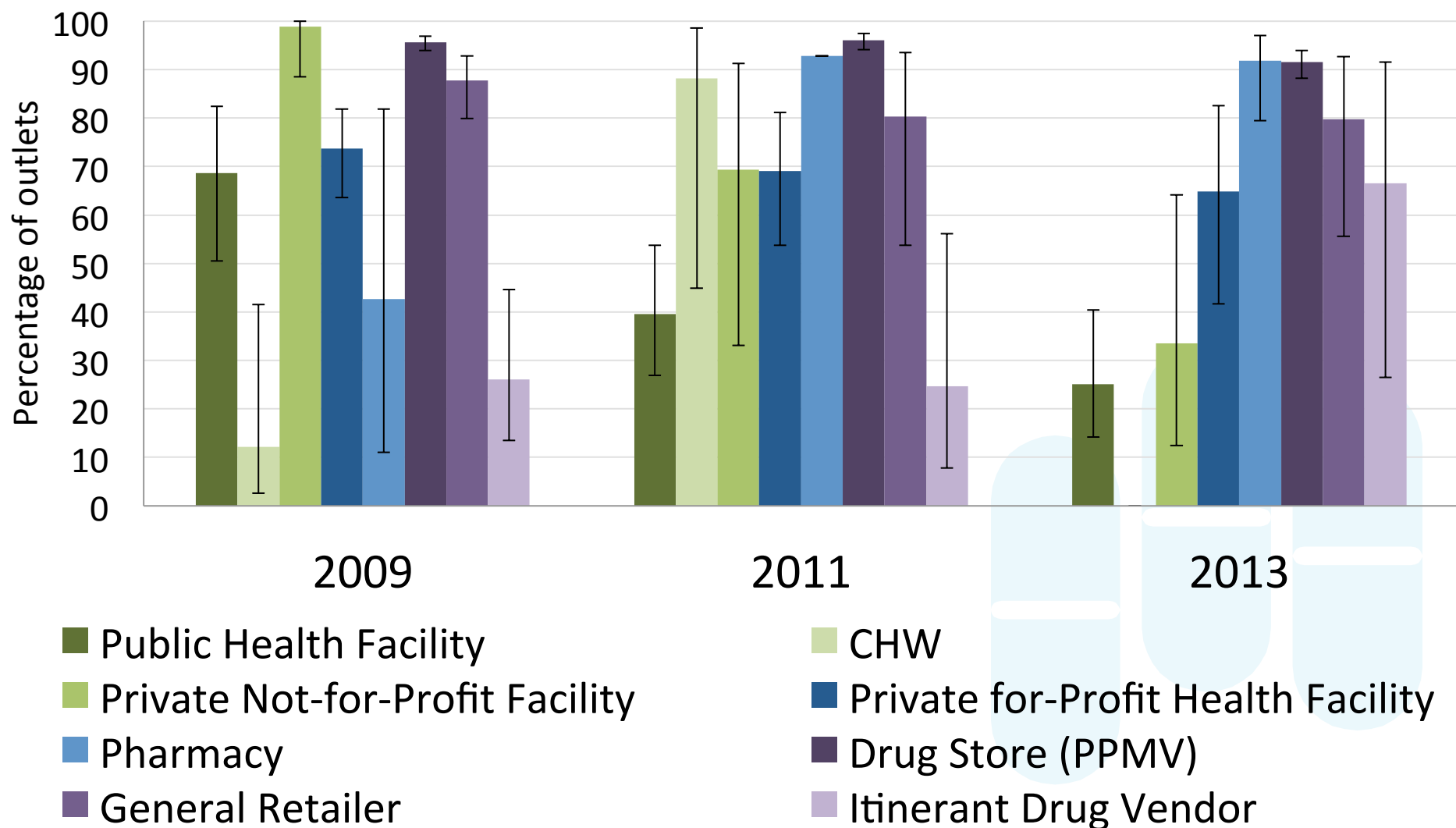
Availability of Malaria RDTs

Among outlets stocking antimalarials



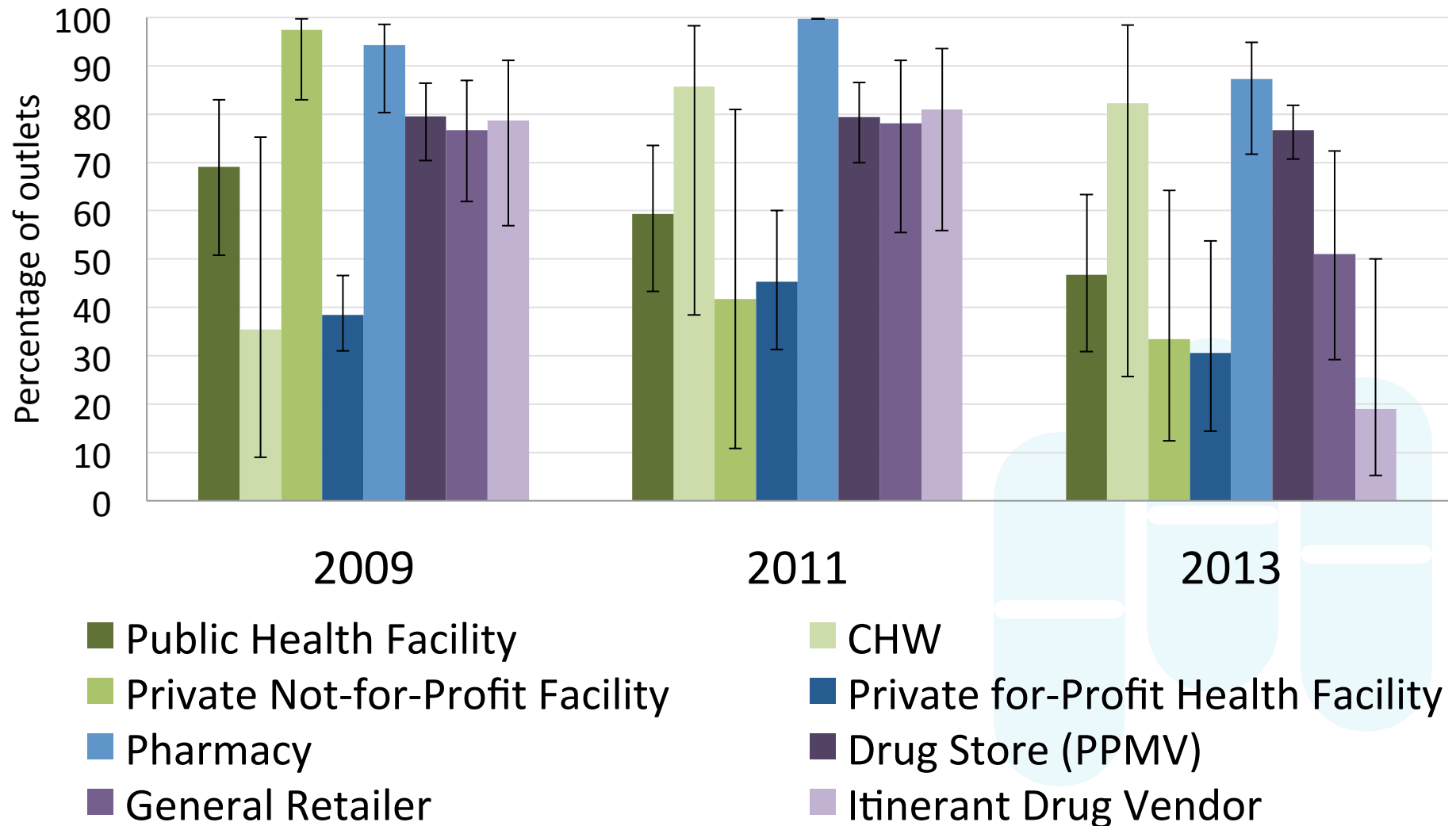
Availability of Chloroquine

Among outlets stocking antimalarials



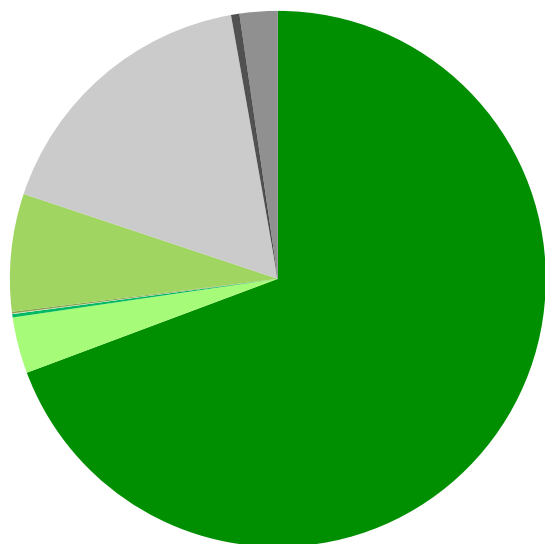
Availability of SP

Among outlets stocking antimalarials

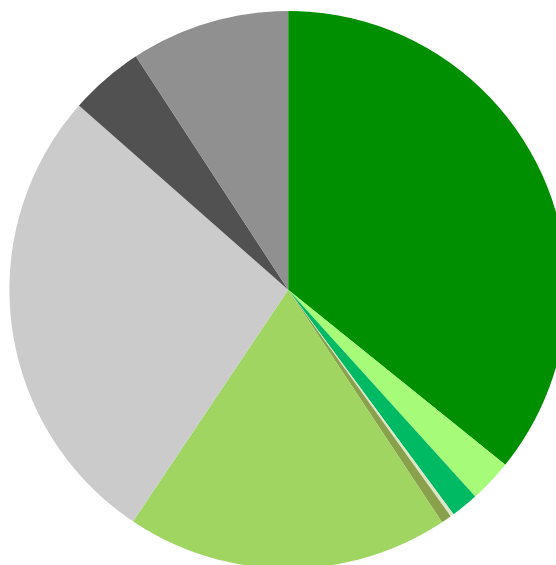


Types of Non-Quality-Assured ACT Found in Public and Private Outlets

**Non-QA ACT Public
N=277**



**Non-QA ACT Private
N=1,781**



- AL tablet
- ASAQ tablet
- ASMQ tablet
- A PPQ tablet
- AS SP tablet
- DHA PPQ tablet
- AL non-tablet
- ASAQ non-tablet
- ASMQ non-tablet
- DHA PPQ non-tablet