

ACTwatch

Evidence for Malaria Medicine Policy

Trends in fever-treatment behaviour in three AMFm-participating countries

Stephen Poyer, on behalf of the ACTwatch Group



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MEDICINE

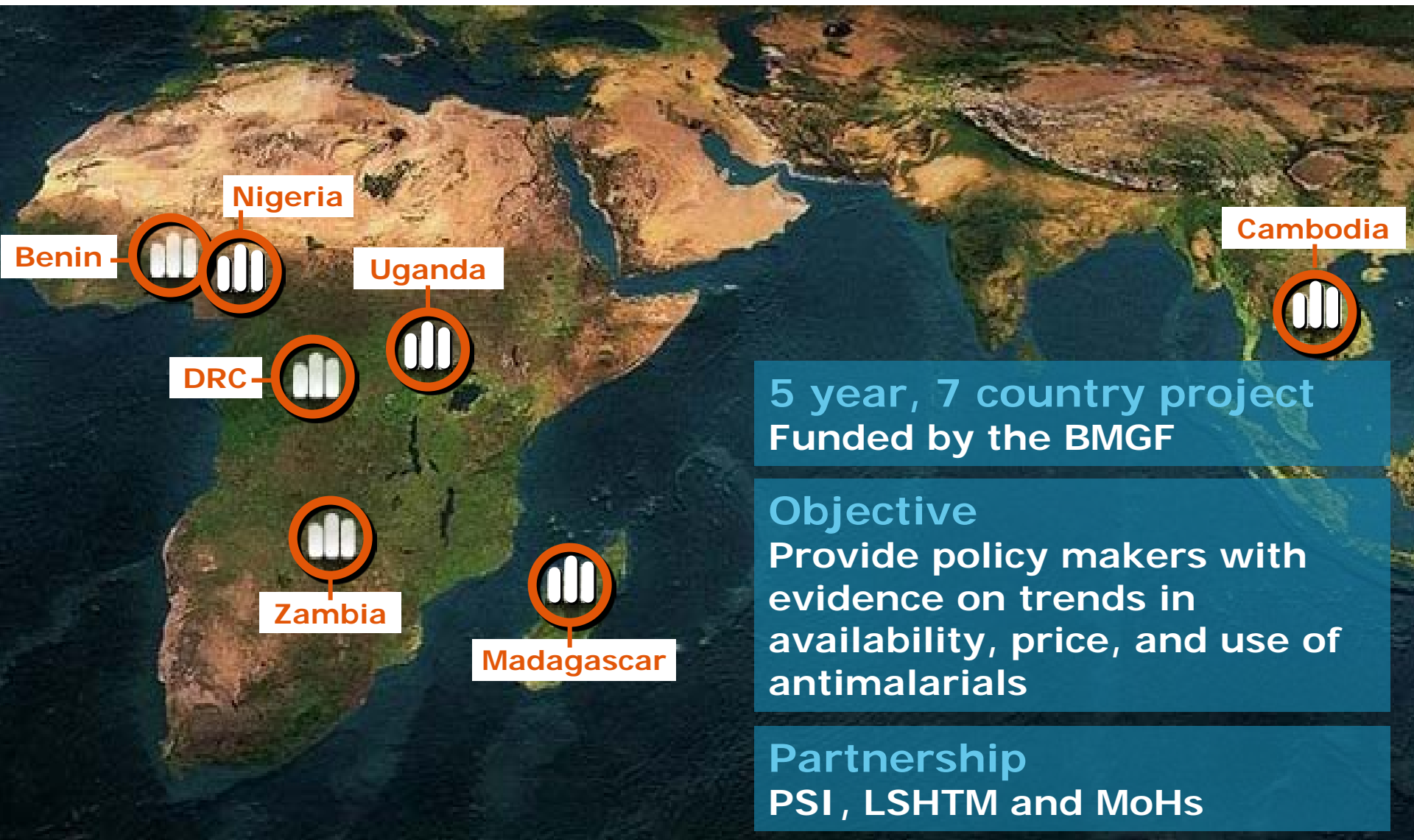


Data source:

ACTwatch Household Survey Trends 2008/2009-2012.

Washington DC: Population Services International; 2012.

ACTwatch: the original 7 countries



5 year, 7 country project
Funded by the BMGF

Objective
Provide policy makers with
evidence on trends in
availability, price, and use of
antimalarials

Partnership
PSI, LSHTM and MoHs

Household survey methods

- Cross-sectional household surveys
- Stratified multi-stage cluster samples
- Households nested within clusters selected for the outlet surveys
- Households with at least 1 child under 5 with fever in the last 2 weeks
- Caregivers of all eligible children invited to participate
- Data survey set and weighted for national estimates



Data collection



Survey details I

	Baseline	Endline
Madagascar	Dec-Jan, 2008/09	Apr-Jun, 2012
Nigeria	Aug-Sep, 2009	Jun-Jul, 2012
Uganda	Mar-Apr, 2009	Apr-May, 2012

	Eligible households	Number of children <5	Eligible households	Number of children <5
Madagascar	1,961	2,120	2,176	2,388
Nigeria	2,860	3,273	1,312	1,551
Uganda	1,528	1,752	1,832	2,273

Survey details II

	Number of months between <u>baseline</u> data collection and first arrival of AMFm-ACTs	Number of months between first arrival of AMFm-ACTs and <u>endline</u> data collection
Madagascar	22 months	18 months
Nigeria	17 months	15 months
Uganda	24 months	12 months



The AMFm green leaf logo was printed onto all AMFm-subsidized ACT packages and blisters.



Number of months from/to midpoint of data collection period.

Results



Madagascar – the context

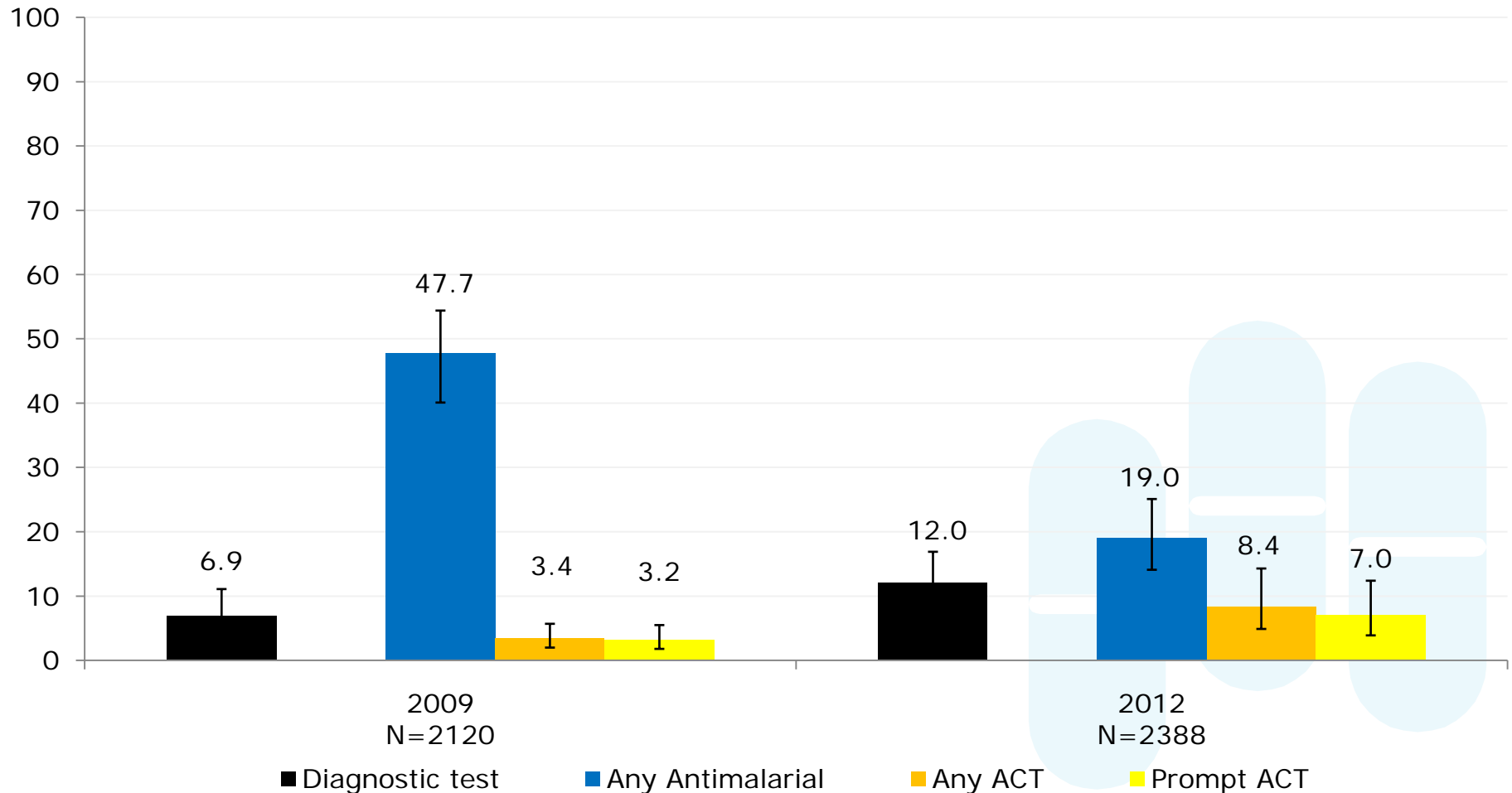
- Prevention strategies - LLIN distribution & targeted IRS
- Net use from 47% to 77% (DHS, 2008/09 ; MIS, 2011)
- ACTs - stocks from PMI
 - ASAQ (*ACTipal*) subsidy through CHWs, pharmacies & drug stores since 2008; distribution on hold, early 2011
 - RDTs permitted at community level in 2010
- First copaid ACTs delivered in Oct 2010 (private sector) and Feb 2011 (public sector).
1.7M doses received by end of 2011.
- AMFm SIs limited by enforcement of national regulations on drug advertising: \$1.3M disbursed by end of 2011
- Political instability and economic challenges



Madagascar

Treatment of children with fever

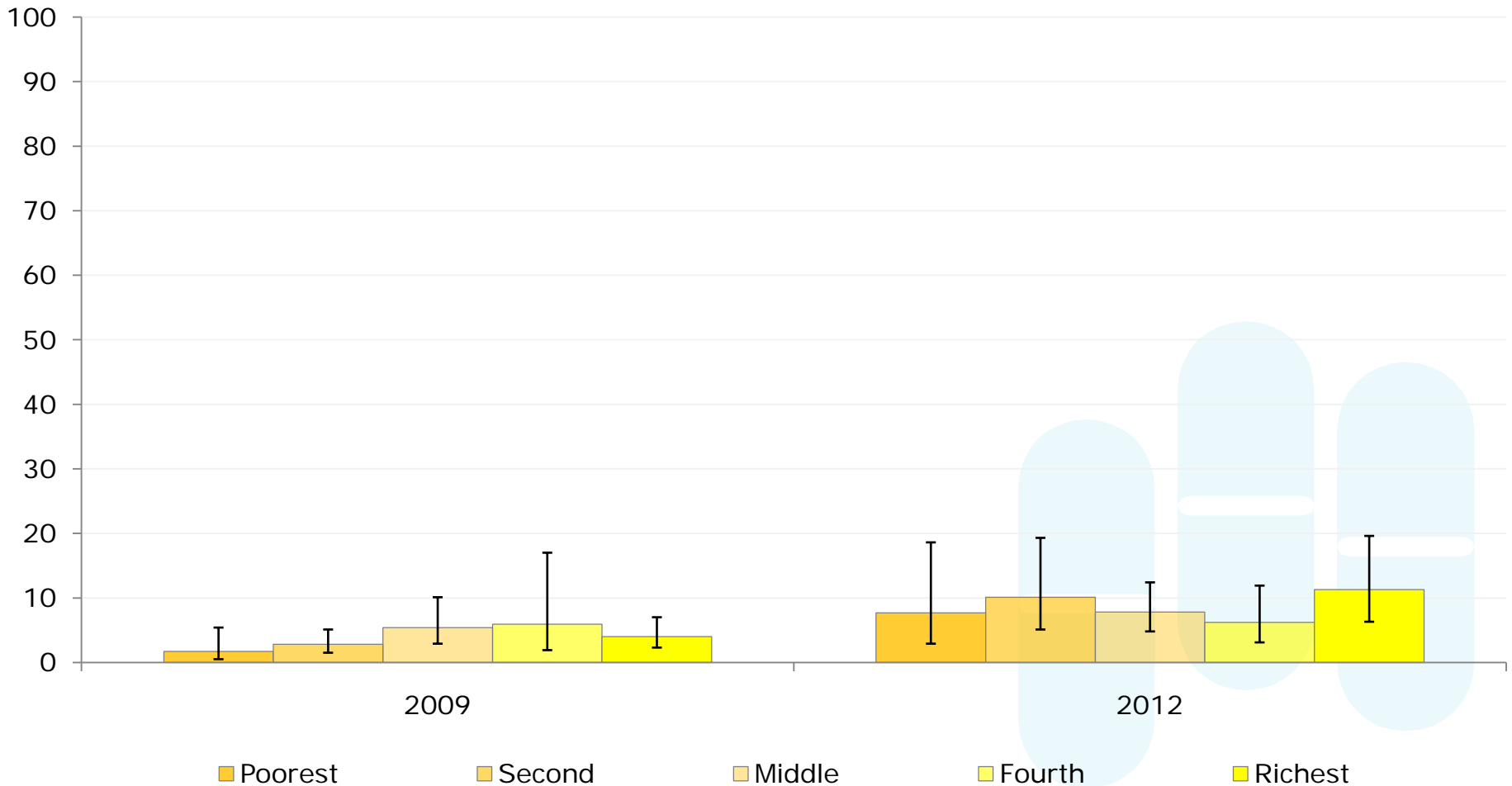
Among children under five with fever in the two weeks preceding the survey, the proportion that received...



Madagascar

Is ACT use equitable by wealth?

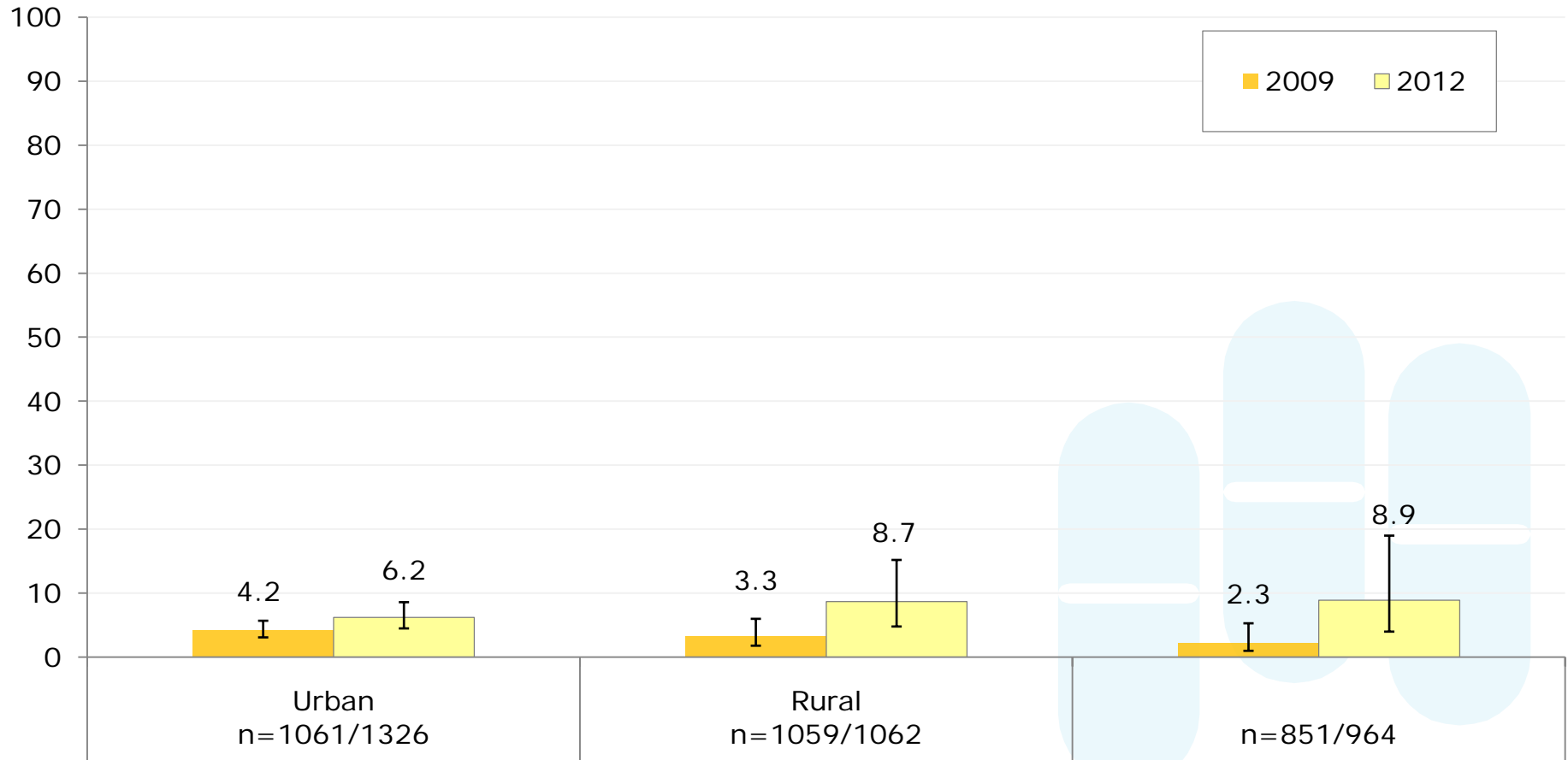
Among children under five with fever in the two weeks preceding the survey, the proportion that received any ACT, by household wealth status



Madagascar

ACT use by urbanicity and among poorest children

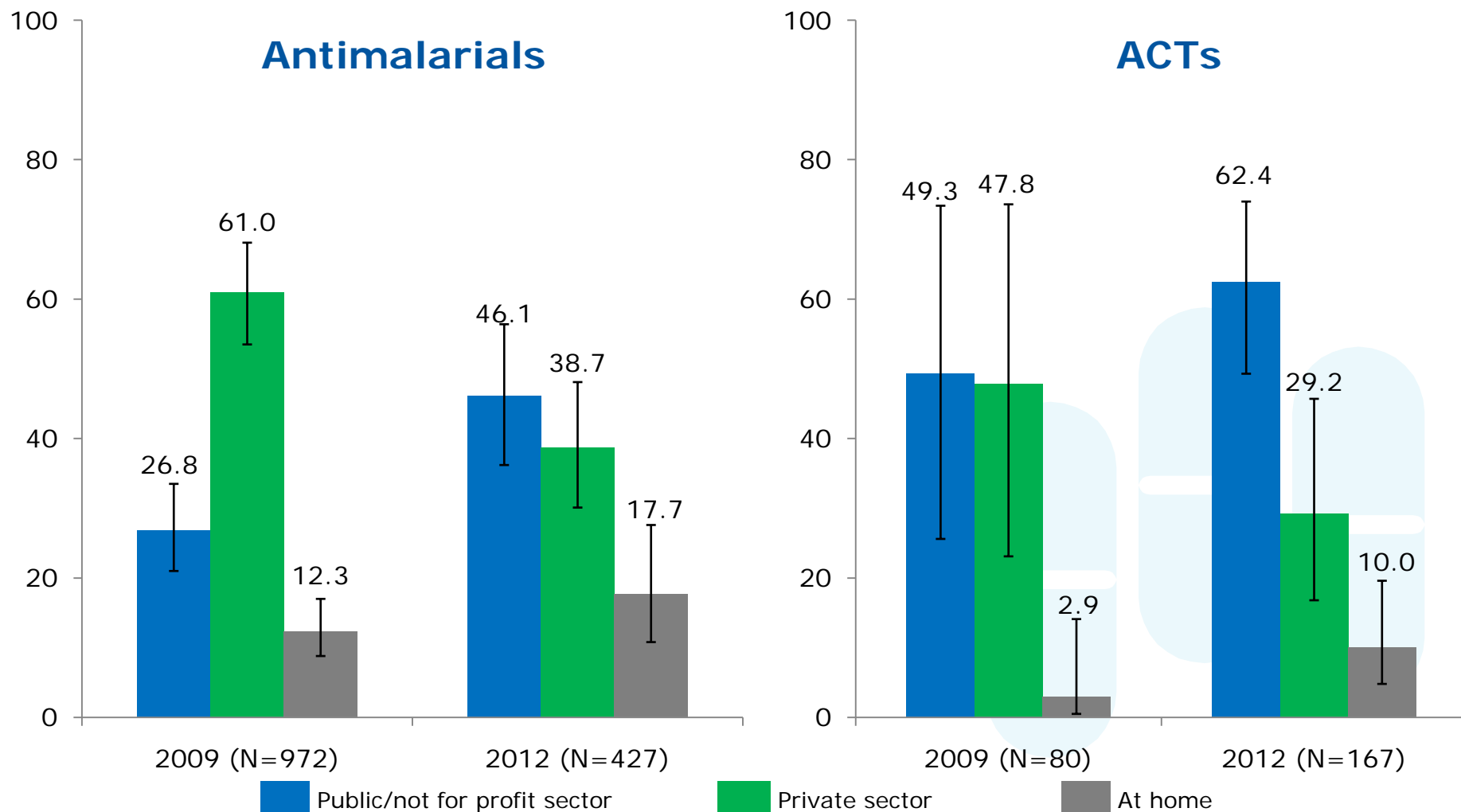
Among children under five with fever in the two weeks preceding the survey, the proportion that received any ACT, by urbanicity and among the poorest 40% of households



Madagascar

Source of any antimalarial and ACTs

Among children under five with fever in the two weeks preceding the survey who received an antimalarial (ACT), the proportion that received the medicine from a given type of source



Nigeria – the context

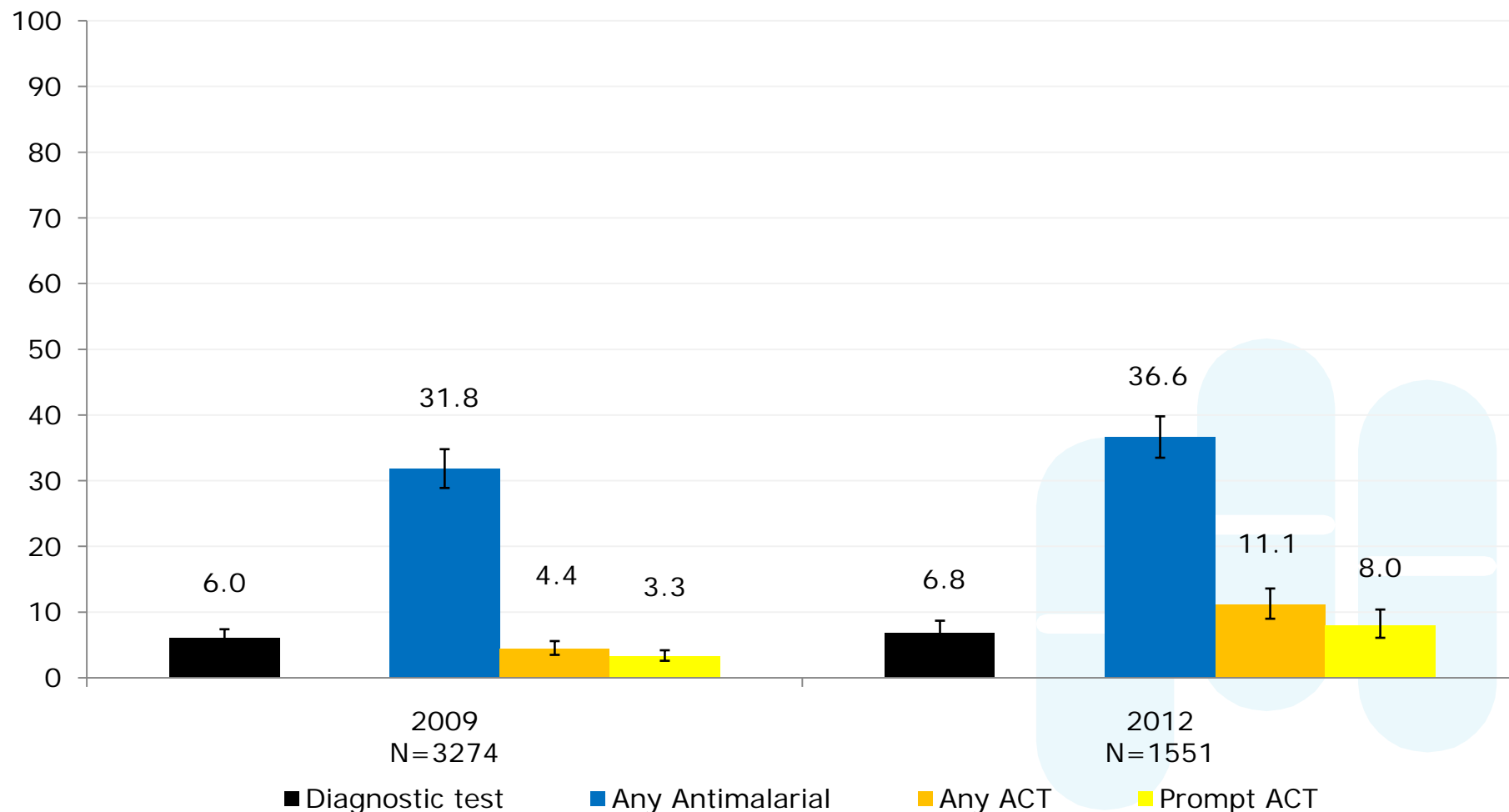
- LLIN distribution – mass campaign in 22 states, 34M nets in 2011
- Net use from 6% to 29% (DHS, 2008; MIS, 2010)
- Targeted IRS in 7 states – 15% (250,000 HHs)
- ACTs - stocks from World Bank, PMI and Global Fund
 - abundant local pharmaceutical manufacturing, although not eligible for the subsidy
- First copaid ACTs delivered in Jan 2011 (private sector) and May 2011 (public sector).
58.9M doses received by end of 2011.
- Successful advocacy and promotion efforts in 2011
\$15.3M disbursed by end of 2011.



Nigeria

Treatment of children with fever

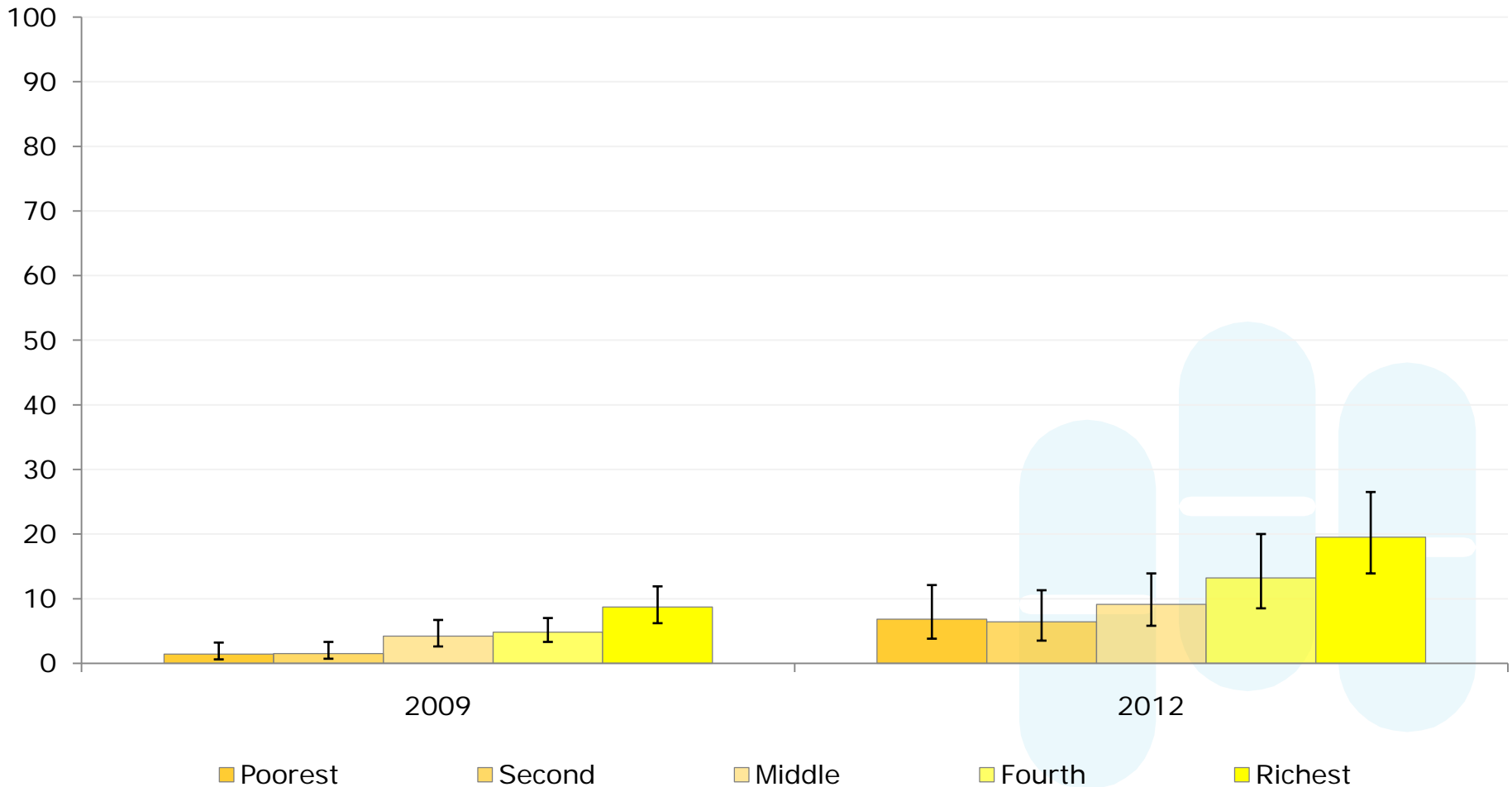
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Nigeria

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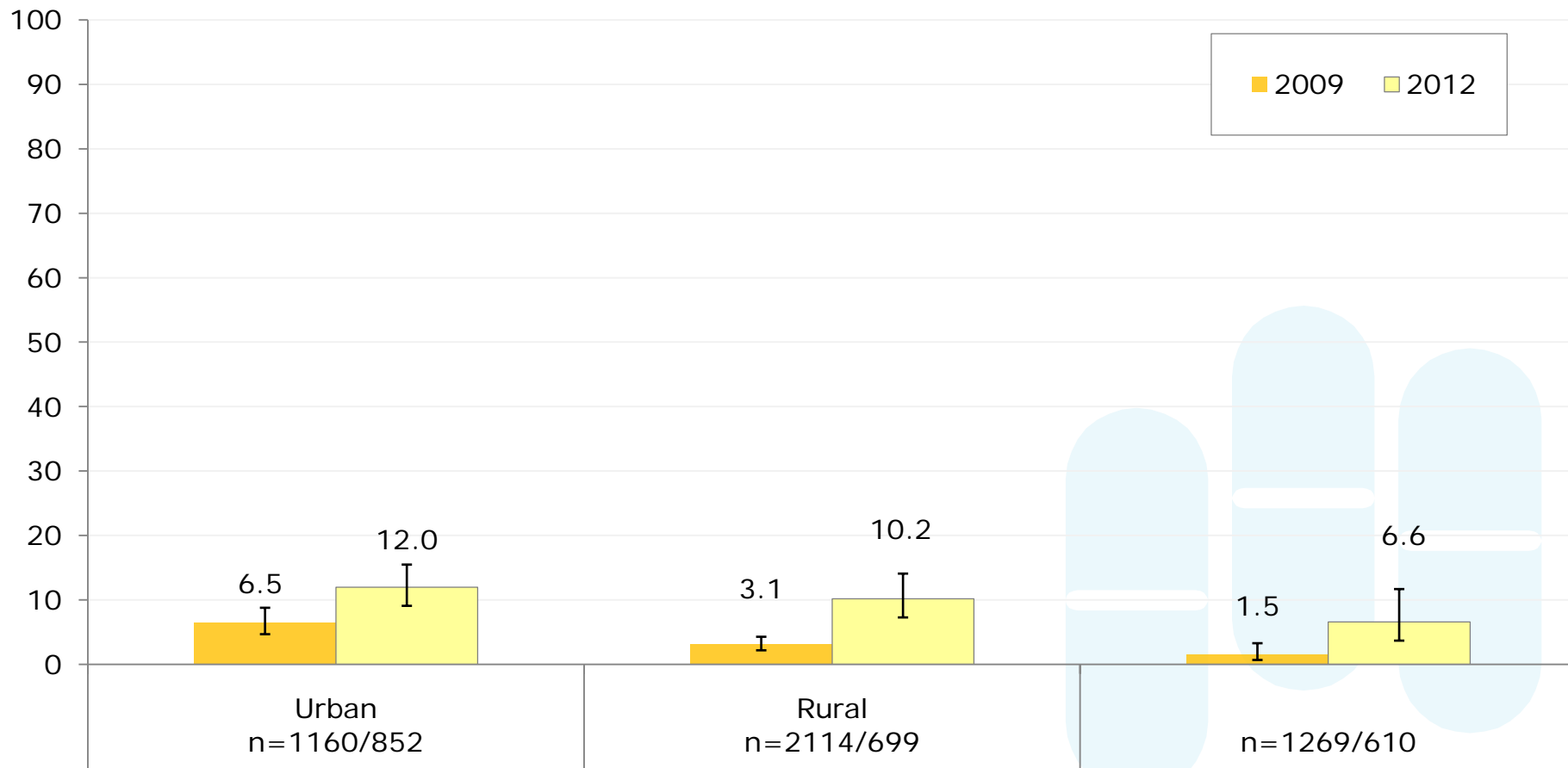
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Nigeria

ACT use by urbanicity and among poorest children

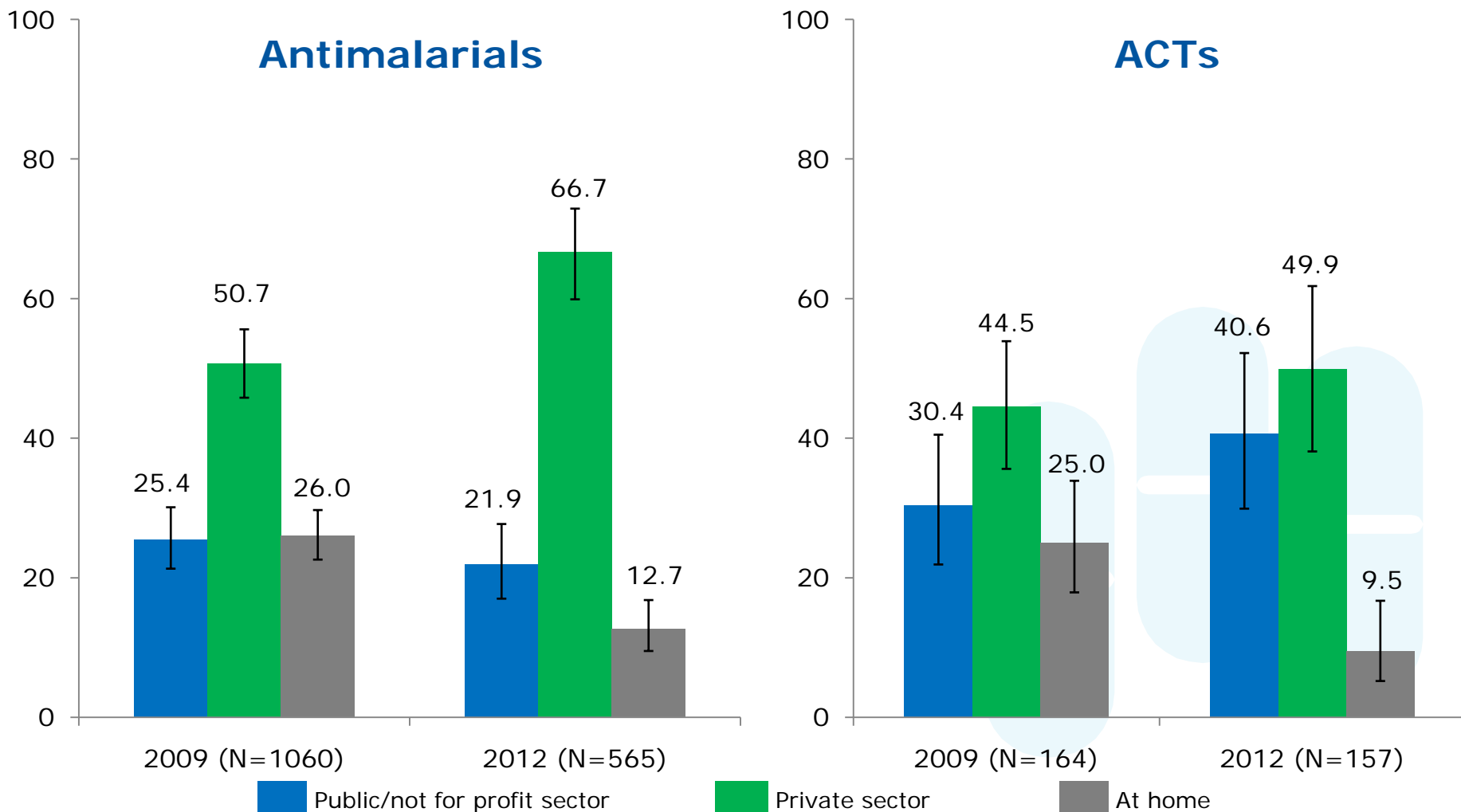
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Nigeria

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Uganda – the context

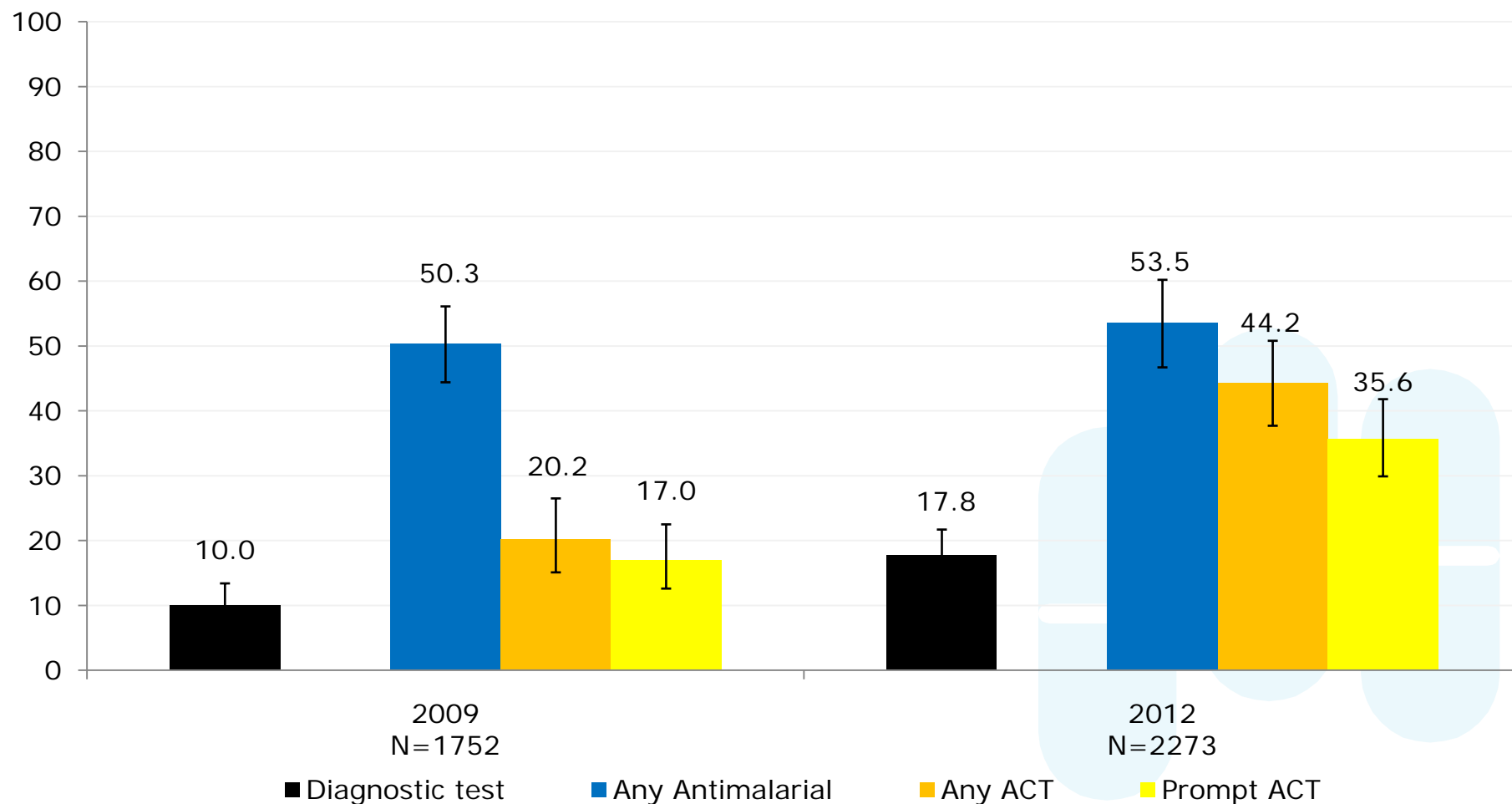
- LLIN distribution - 7.2M nationally in 2010/2011
- Net use from 33% to 43% (MIS, 2009 ; DHS, 2011)
- IRS continuous in four high-transmission districts
- ACTs - stocks from AMFm, PMI and DfID
 - AL subsidy to private sector in four districts (CAPSS, 2008-2010)
 - distribution through ICM by community medicine distributors in rural areas
- First copaid ACTs delivered in April 2011 (private sector) and July 2011 (public sector).
28.2M doses received by end of 2011.
- SI for promotion of AMFm drugs not begun as of August 2012



Uganda

Treatment of children with fever

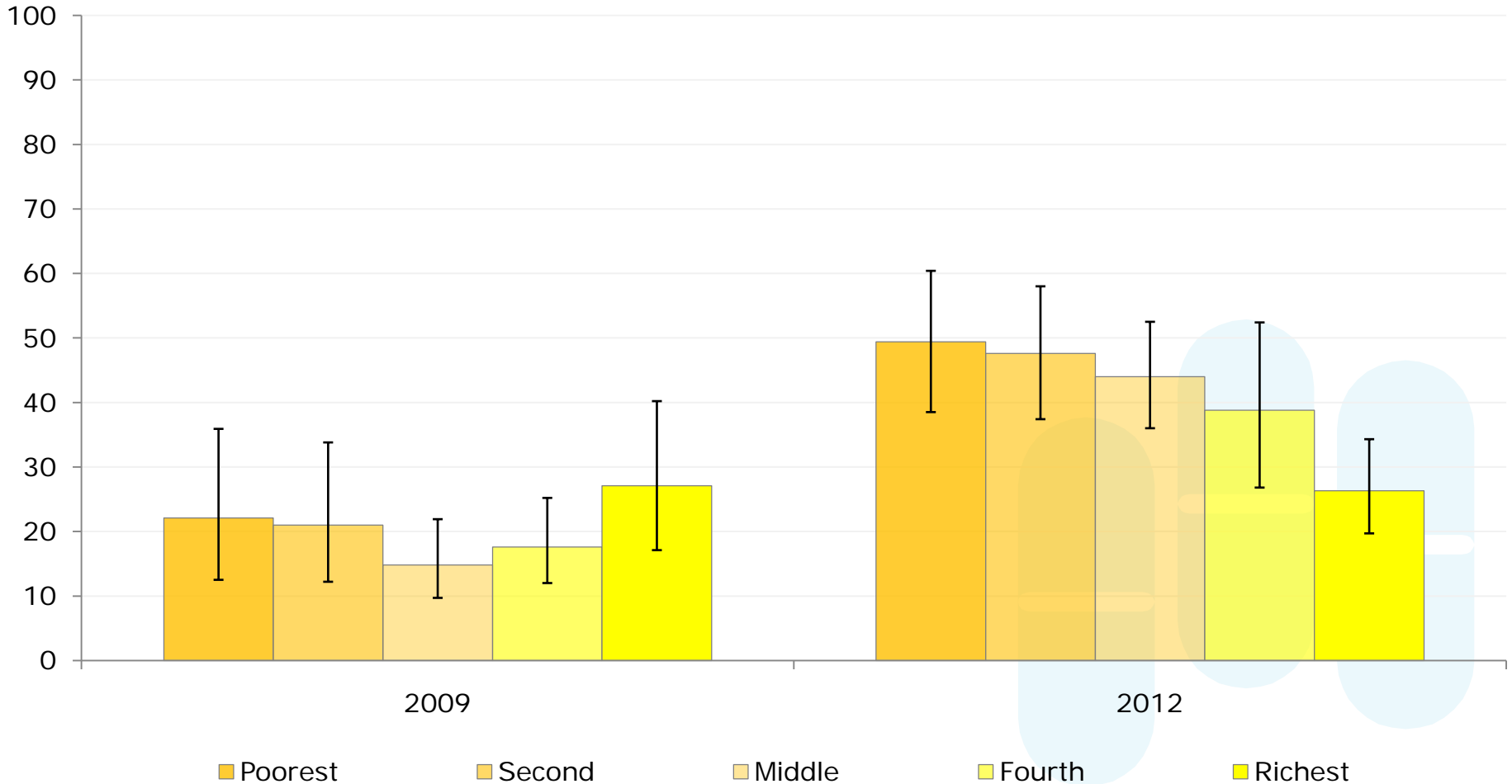
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Uganda

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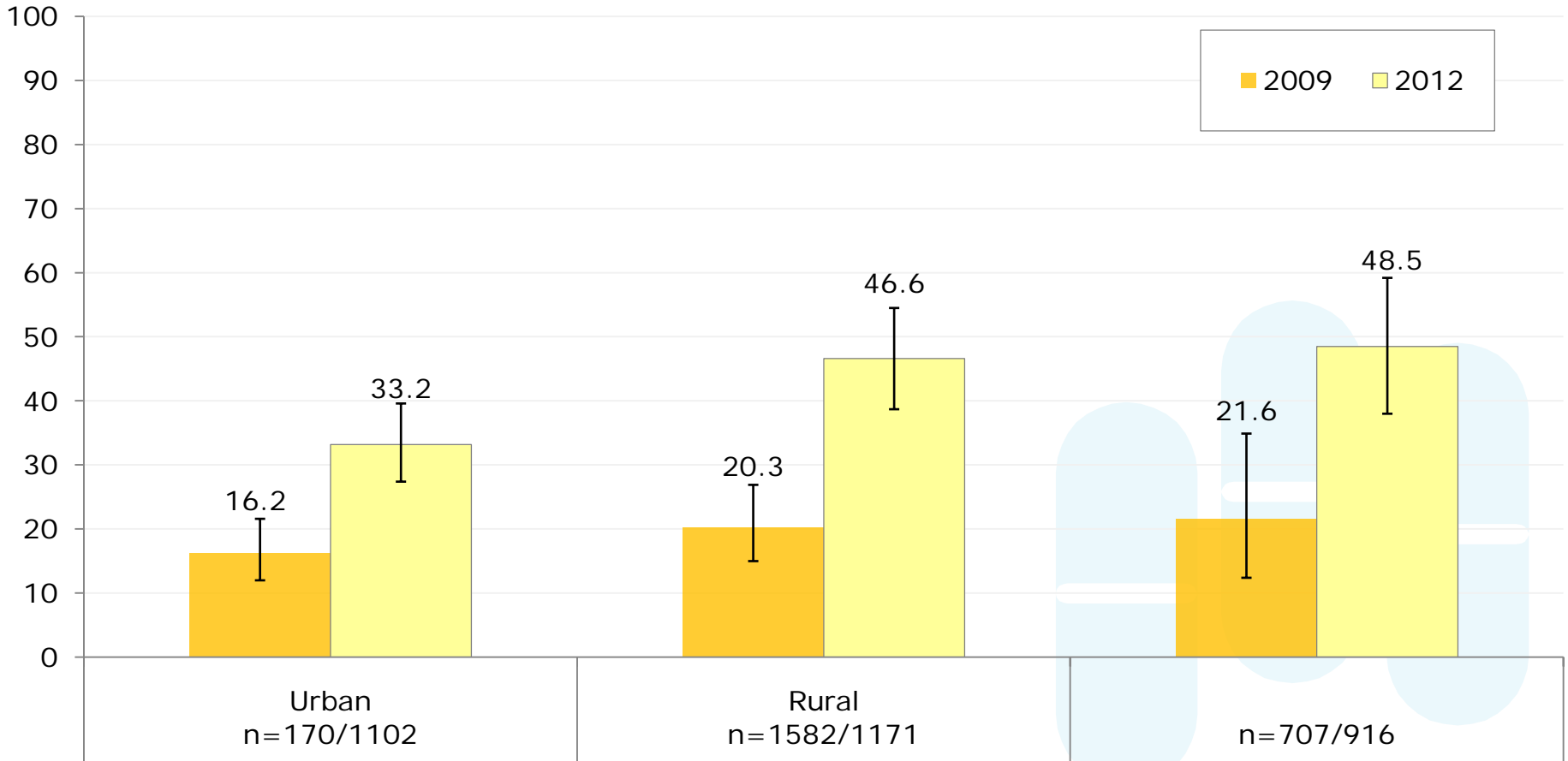
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Uganda

ACT use by urbanicity and among poorest children

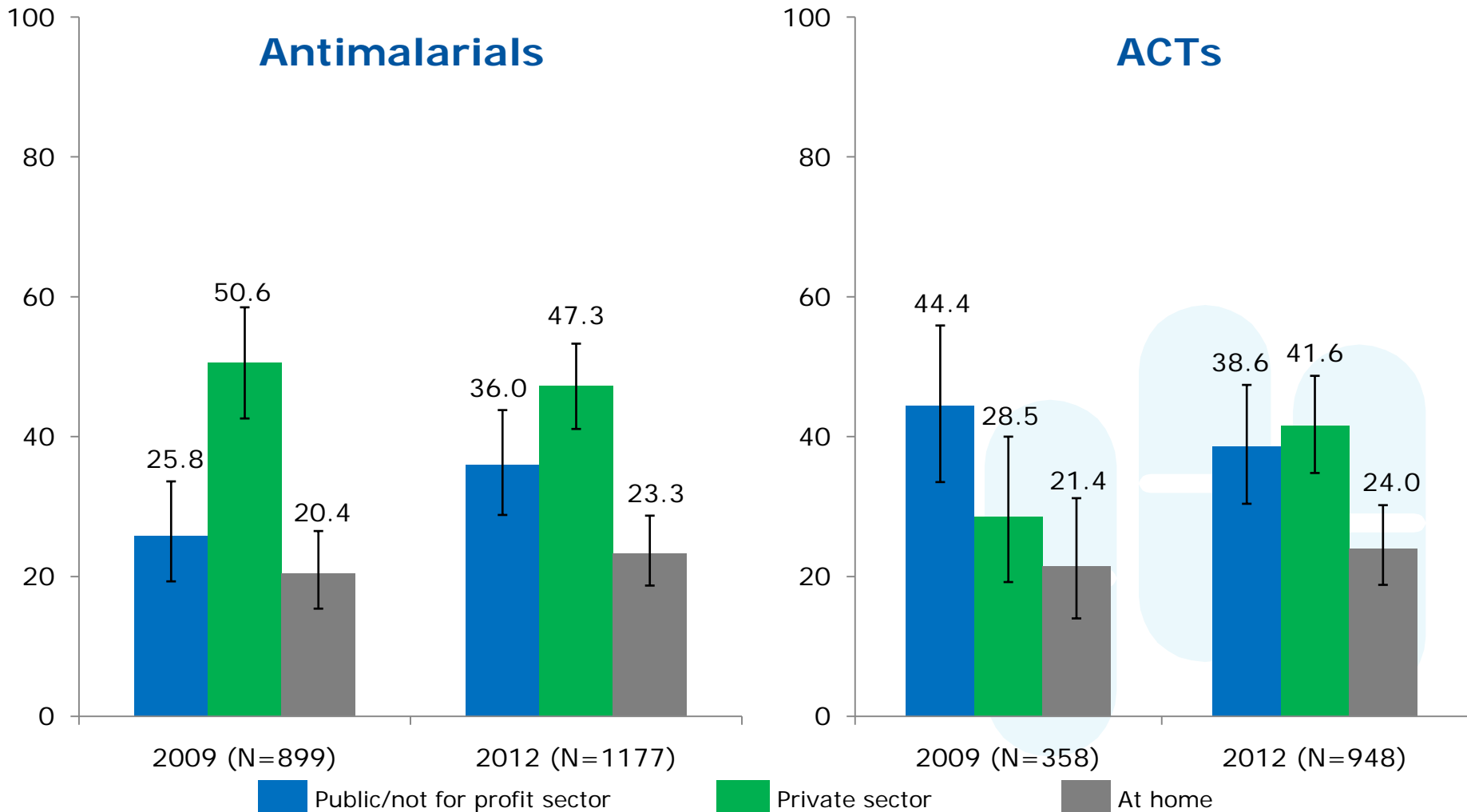
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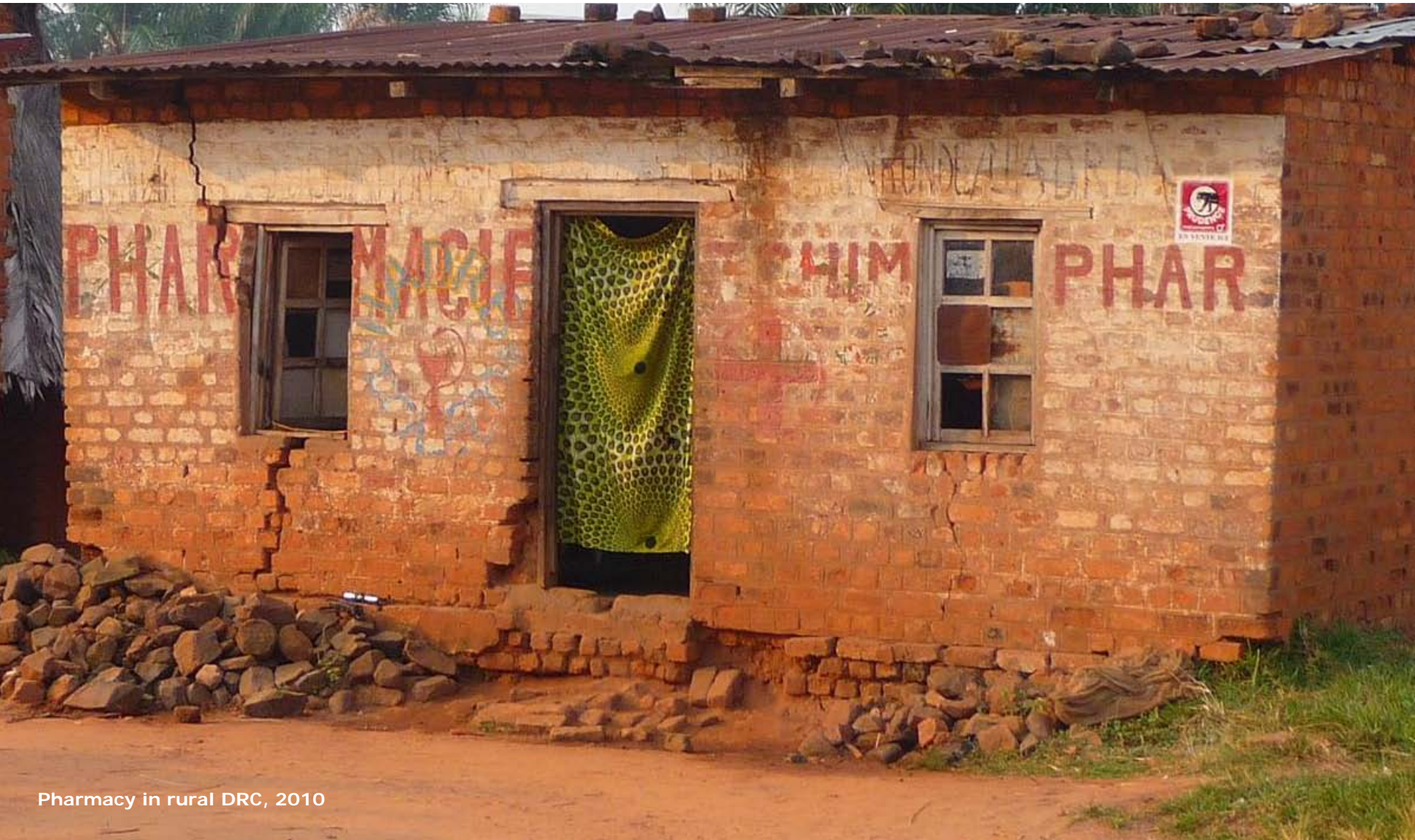
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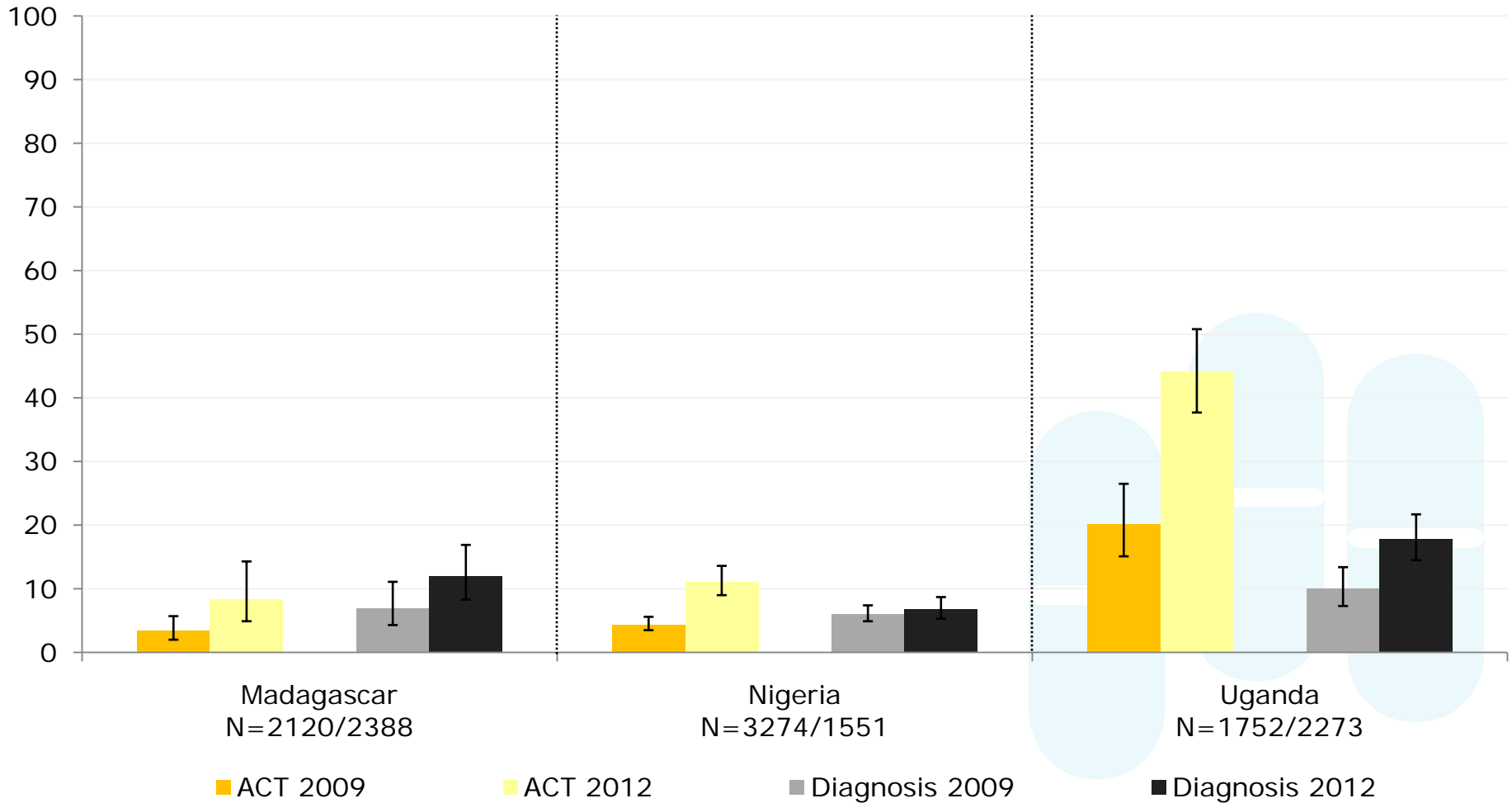


3 country summary



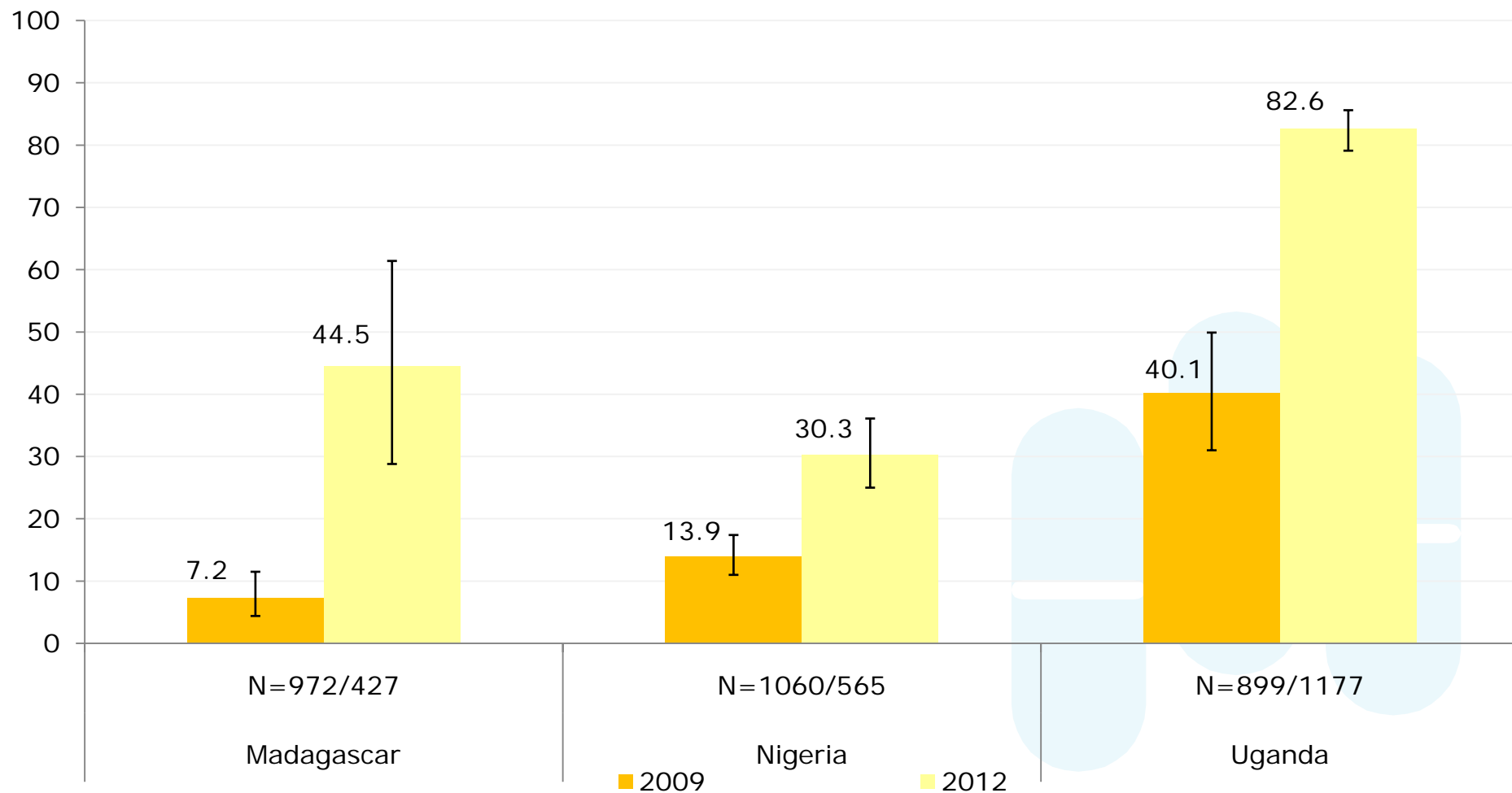
Treatment of children with fever

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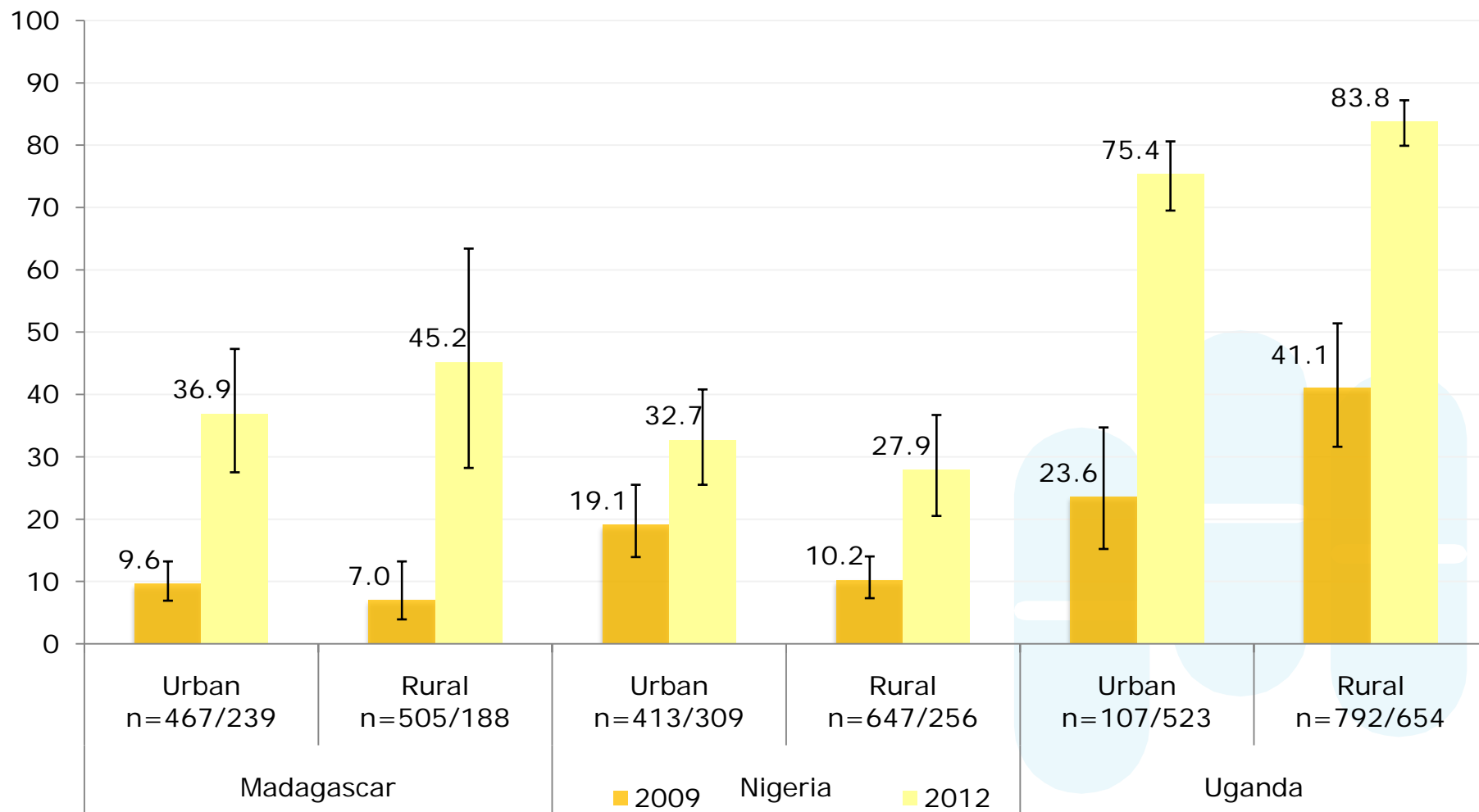
ACT treatment among children who received an antimalarial

Among children under five with fever in the two weeks preceding the survey who received an antimalarial, the proportion that received an ACT



ACT treatment among children who received an antimalarial

Among children under five with fever in the two weeks preceding the survey who received an antimalarial, the proportion that received an ACT, by urbanicity



Acknowledgements

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ACTwatch Advisory Committee

- Mr. Suprotik Basu
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- Dr. Gladys Tetteh
- Dr. Nick White
- Dr. Prashant Yadav
- Dr. Shunmay Yeung

AMFm Awareness Results

Poster **1300** - Wednesday

