

FPwatch Supplement ●

Pregnancy Test Kits (PTKs)



FPwatch provides estimates for key family planning indicators using nationally-representative, cross-sectional outlet surveys.



THE FPWATCH PROJECT

FPwatch is a multi-country research project designed to generate evidence on contraceptive availability through surveys administered to **all public and private facilities and outlets** with the potential to sell or distribute FP commodities. The standardized methodology and questionnaire was implemented in Ethiopia, Nigeria and the Democratic Republic of Congo (DRC) from 2015-16.

3,000+
PREGNANCY TEST
KITS AUDITED

Pregnancy test kits were audited in three countries across ~2,800 outlets

Timely, relevant & high-quality evidence

KEY STUDY COMPONENTS

- Survey administration to all public and private sector outlets in each region
- Comprehensive audit of all available contraceptive brands
- Provider interviews assessing service readiness of FP market components
- In-depth interviews with national key informants

OUTLET SELECTION

Criteria for inclusion:

- Currently stocking modern FP contraceptives;
- Stocked modern FP contraceptives in previous 3 months; or
- Providing modern FP method services

KNOWLEDGE CONTRIBUTION

- Fills critical gaps in understanding of FP markets for selected countries
- Uses evidence to engage the private sector
- Promotes the use of standardized, rigorous and replicable methodology
- Compares key FP2020 country data to contribute to FP2020 monitoring efforts, strategy and funding decisions

Photos: Damien Schumann

fpwatch.info

STUDY DESIGN



NIGERIA



DEMOCRATIC REPUBLIC OF THE CONGO



ETHIOPIA

Dates Implemented:
August – October, 2015

Outlets included:
10,666 outlets screened
→ 2,056 outlets met screening criteria

Total Clusters: 343 localities

PTKs audited: 1,392

Outlets with at least 1 PTK: 1,241

Brands of PTK found: 39

Dates Implemented:
October – December, 2015

Outlets included:
2,207 outlets screened
→ 1,297 outlets met screening criteria

Total Clusters: 113 aires de santé

PTKs audited: 926

Outlets with at least 1 PTK: 841

Brands of PTK found: 28

Dates Implemented:
July – August, 2015

Outlets included:
8,299 outlets screened
→ 2,085 outlets met screening criteria

Total Clusters: 861 kebeles

PTKs audited: 750

Outlets with at least 1 PTK: 715

Brands of PTK found: 14

Most Popular Brands and Country of Manufacturer

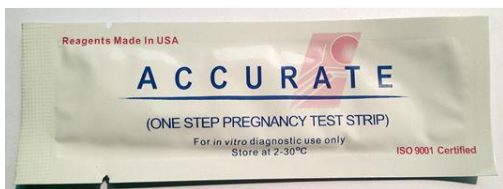
1. Accurate (USA)
2. Assurance (China)
3. P-Test (China)
4. Labacon (China)
5. Double G (USA)

Most Popular Brands and Country of Manufacturer

1. Accurate (USA)
2. Paloma (China)
3. Graviplano (China)
4. Cesamex (China)
5. Africano (China)

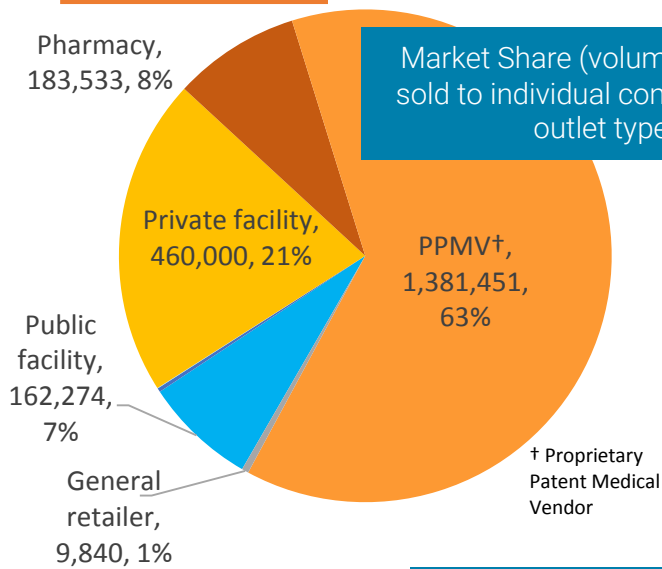
Most Popular Brands and Country of Manufacturer

1. Wondfo (China)
2. GFK (China)
3. Healgen (China)
4. Henso (China)
5. CTK (USA)



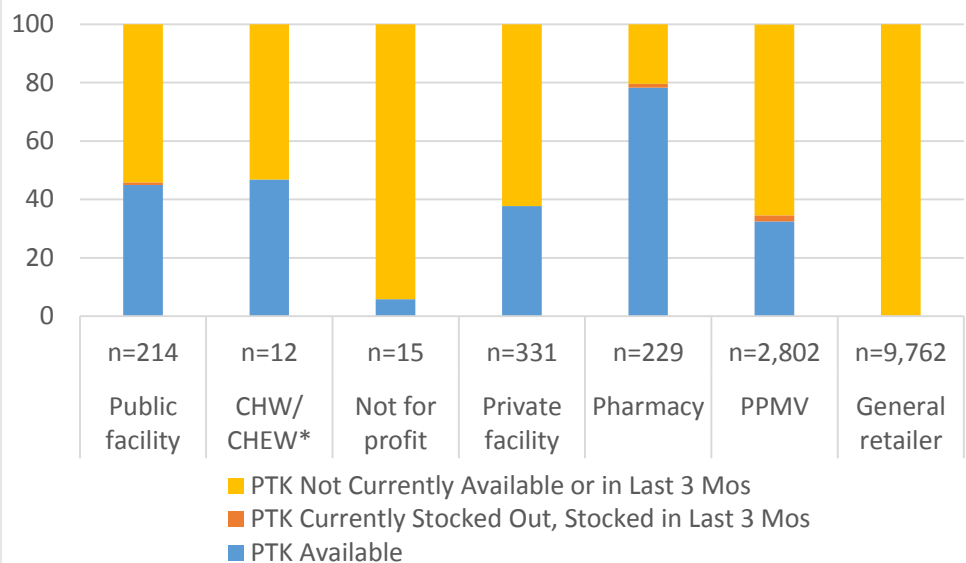
NIGERIA

Market Share (volume of PTKs) sold to individual consumers, by outlet type



- Majority of market share = Private sector outlets
- >2/3 Market share = PPMVs or pharmacies
- <10% = Public sector

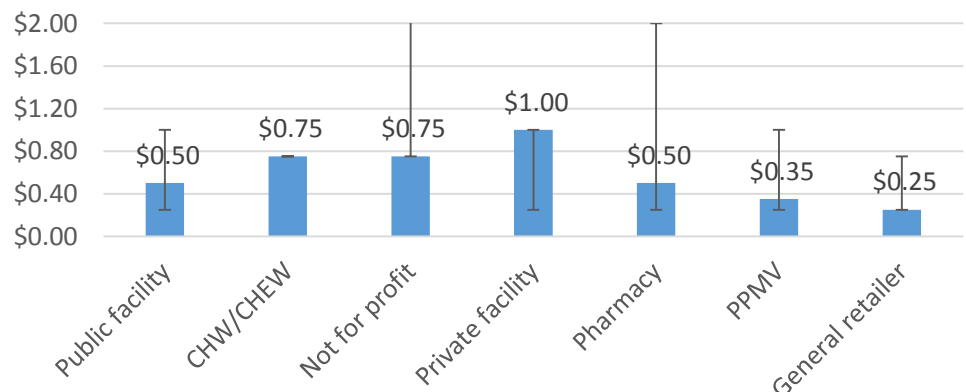
Percent of outlets screened stocking at least 1 PTK brand, by outlet type



*CHW/CHEW: Community Health Worker/Community Health Extension Worker

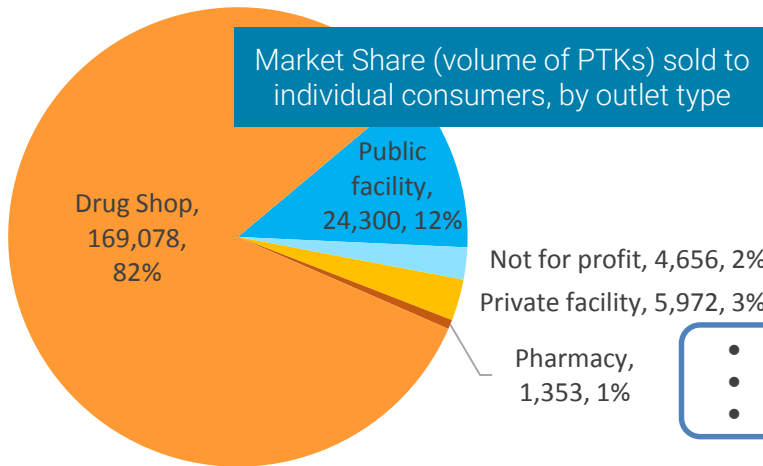
Availability: When surveyed PTKs were unavailable in more than half of all outlet types, except for pharmacies. PTKs were unavailable in about 55% of public facilities, with less than 1% reporting having PTKs in the last three months. In the dominant private sector, PTKs were available in most pharmacies. About two-thirds of PPMVs did not have PTKs available, with 2% being stocked out. Virtually no general retailers stocked PTKs. Few outlets that stocked PTKs in the previous three months were currently stocked out.

Median Price in USD per 1 PTK with Interquartile Range



Price: In the public sector, the price of 1 PTK ranged from \$0.50 in public facilities to \$0.75 for CHWs and not-for-profits. In private outlets, the price for 1 PTK reached \$1.00 in private facilities, while PTKs were less expensive in pharmacies (\$0.50), PPMVs (\$0.35) and general retailers (\$0.25).

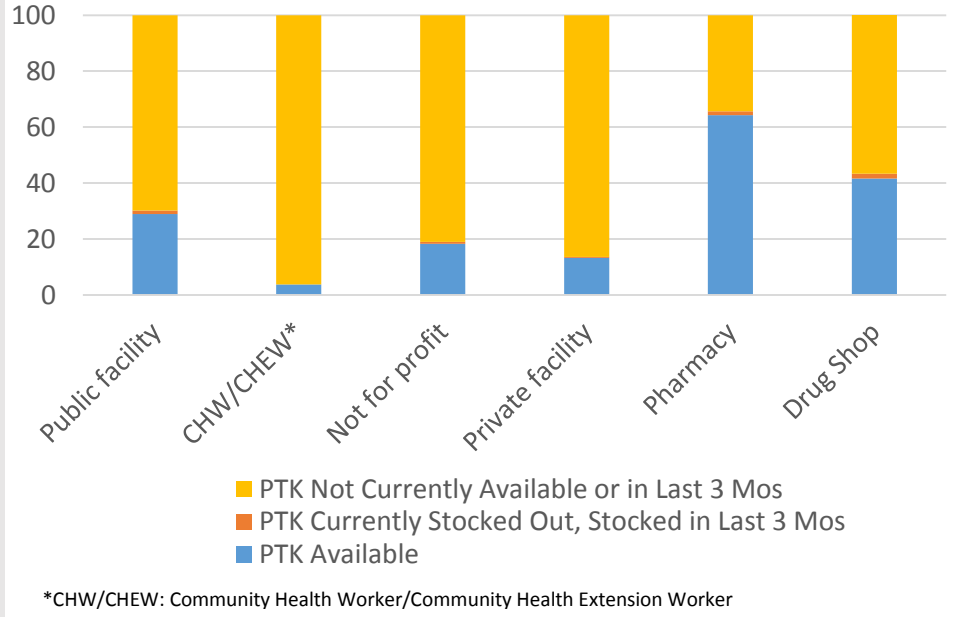
DEMOCRATIC REPUBLIC OF THE CONGO



- Majority of market share = Drug shops
- 12% of Market share = Public facilities
- 3% of Market share = Private facilities

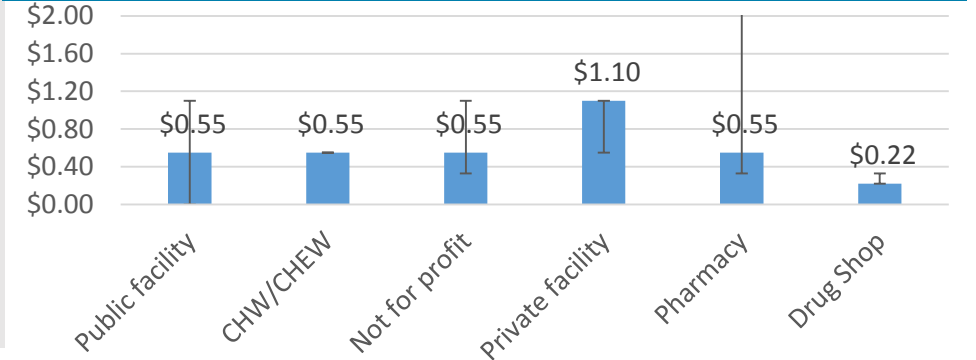
Percent of outlets screened stocking at least 1 PTK brand, by outlet type

Availability: In the public sector, 71% of public facilities did not have PTKs available when surveyed, with 1% being stocked out (having stocked PTKs in the past three months). Just 4% of CHWs and 18% of not-for-profits had PTKs available on the survey day. In the private sector, 87% of private facilities and 36% of pharmacies did not have PTKs available. Fifty-eight percent of drug shops did not have PTKs available on the day of the survey, 2% of which were stocked out of PTKs.

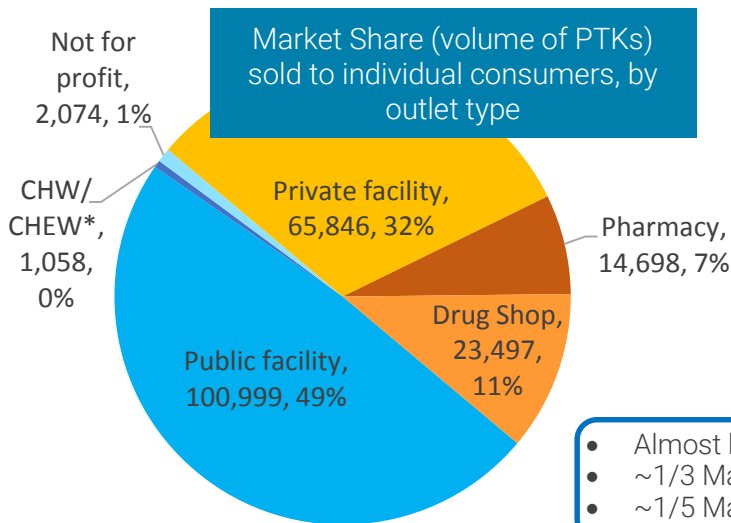


Median Price in USD per 1 PTK with Interquartile Range

Price: The price of PTKs did not vary among public sector outlets. However, a price gap was observed in the private sector, with private facilities offering PTKs at \$1.10 and pharmacies and drug shops selling PTKs at \$0.55 and \$0.22, respectively.



ETHIOPIA

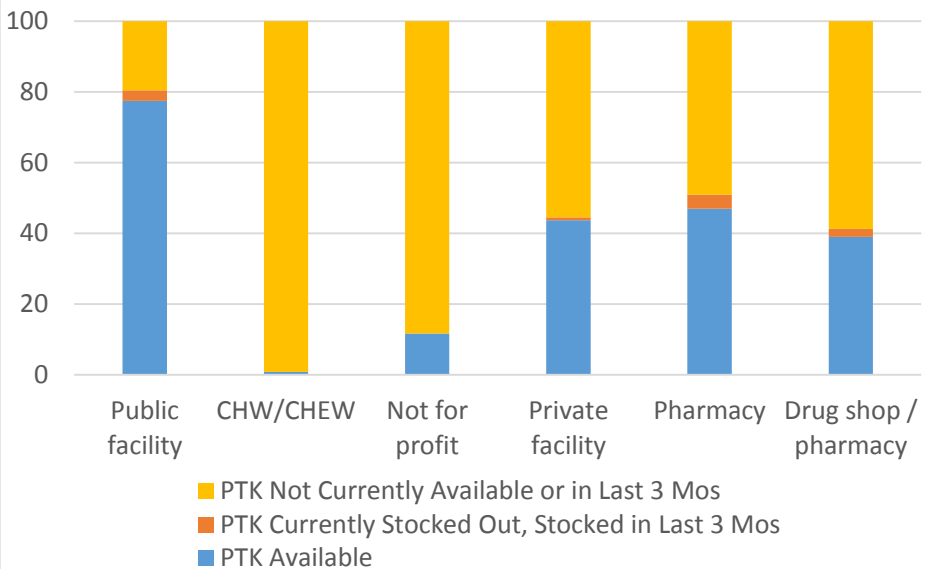


- Almost half of market share = Public facilities
- ~1/3 Market share = Private facilities
- ~1/5 Market share = Pharmacies & drug shops

*CHW/CHEW: Community Health Worker/Community Health Extension Worker

Percent of outlets screened stocking at least 1 PTK brand, by outlet type

Availability: PTKs were available at more than ¾ of public health facilities on the day of the survey. Almost 1/5 did not have PTKs available when surveyed and 3% were out of stock of PTKs. In contrast, less than 1% of CHWs carried PTKs on the day of the survey or in the last three months. Most not-for-profit facilities (88%) did not have PTKs available, along with over half of private facilities, pharmacies and drug shops. Four percent of pharmacies were stocked out of PTKs.



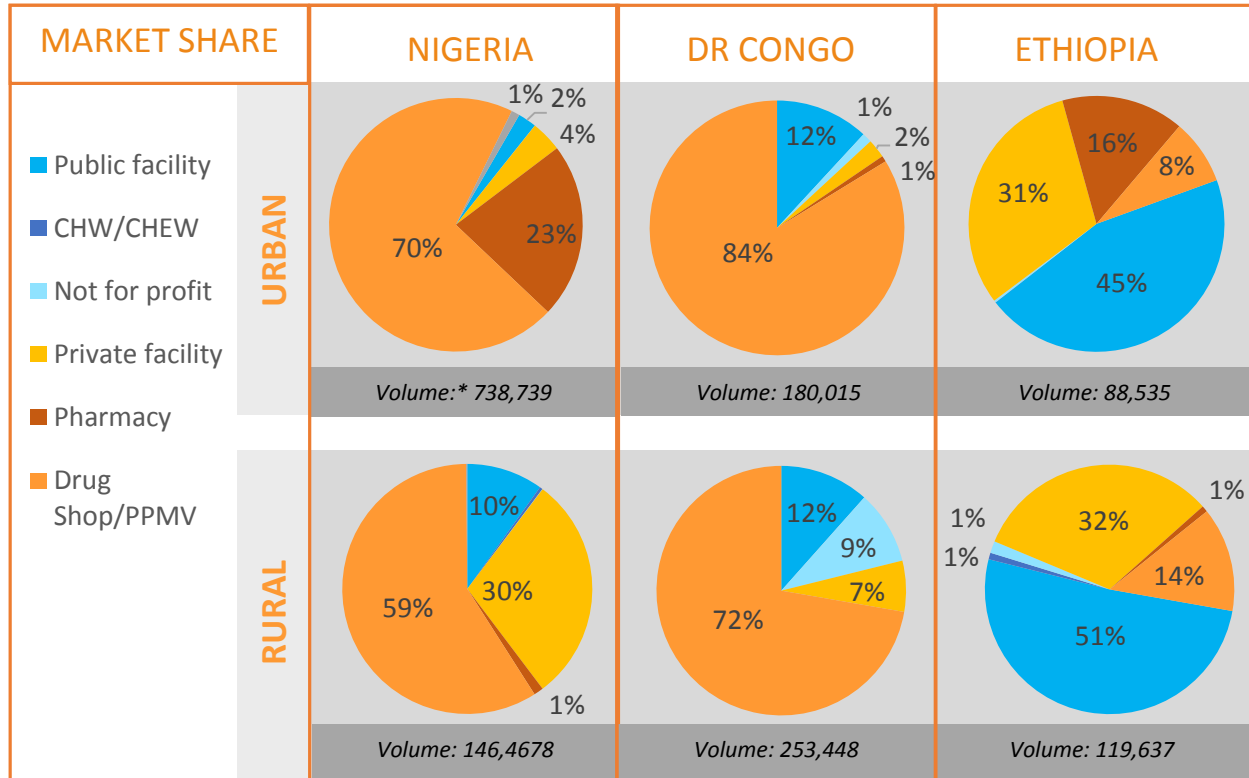
Median Price in USD per 1 PTK with Interquartile Range

Price: The price of PTKs did not vary greatly by outlet. In the public sector outlets, price ranged from \$0.34 in public facilities to \$0.49 for CHWs and \$0.58 for not-for-profits. In private facilities, PTKs cost \$0.49, compared with a low of \$0.24 per PTK in pharmacies and drug shops.



URBAN VS. RURAL

Data was stratified by urban and rural areas for each country. Urban and rural areas were defined with reference to national population density classifications, consultations with key informants, and cross-references to DHS sampling frames.



*Total volume of PTKs distributed

Market share: In Nigeria, PPMVs comprised 70% of the urban market share and 59% of the rural market share. In urban areas, pharmacies comprised the next largest proportion of market share, while private facilities made up the next largest proportion in rural areas. Drug shops dominated both the urban and rural market shares in the DR Congo. Rural areas in DR Congo had a higher proportion of not-for-profits and private facilities than urban areas. In Ethiopia, pharmacies comprised a higher proportion of the market share in urban areas compared with rural areas, where drug shops and public facilities assumed a slightly larger role.



Photo credit: Damien Schumann

Price: While the median PTK price was slightly higher in private facilities and not for profits in Nigeria's urban areas compared with the rural areas (\$2.50 vs. \$1.00 and \$2.50 vs \$0.75, respectively), prices did not vary significantly among other outlets and urban/rural designations in the study countries (not shown).