

Misoprostol



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, the Democratic Republic of Congo (DRC), India, and Myanmar from 2015-16. Surveys were nationally representative in Ethiopia, Nigeria, and Myanmar, and sub-nationally representative in DRC (Kinshasa & Katanga) and India (Uttar Pradesh & Bihar).

Timely, relevant, & high-quality evidence

1,550+ MISOPROSTOL PRODUCTS CATALOGUED

Misoprostol products were catalogued in five countries across ~1,300 outlets

KEY STUDY COMPONENTS

- Survey administration to all public and private sector outlets in each country/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

STUDY DESIGN

DR CONGO: Kinshasa/Katanga



Dates Implemented:

October – December, 2015

Outlets included:

2,207 outlets screened → 1,297 outlets met screening criteria

Total Clusters: 113 aires de santé

Miso products catalogued: 101

Outlets with at least 1 miso product: 87

Brands of misoprostol found: 8

Most Popular Brands and Country of Manufacturer

1. Mistrovix (India)
2. Cytotec (Multiple)
3. Misotec (India)
4. Misoprostol 200 (India)
5. Sagatec (India)

ETHIOPIA



Dates Implemented:

July – August, 2015

Outlets included:

8,299 outlets screened → 2,085 outlets met screening criteria

Total Clusters: 861 kebeles

Miso products catalogued: 149

Outlets with at least 1 miso product: 136

Brands of misoprostol found: 3

Most Popular Brands and Country of Manufacturer

1. Safe-T (India)
2. Misotac (Egypt)
3. Marisafe (India)

NIGERIA



Dates Implemented:

August – October, 2015

Outlets included:

10,666 outlets screened → 2,056 outlets met screening criteria

Total Clusters: 343 localities

Miso products catalogued: 185

Outlets with at least 1 miso product: 153

Brands of misoprostol found: 10

Most Popular Brands and Country of Manufacturer

1. Misoprostol 200 (India)
2. Cytotec (Spain)
3. Misoclear (India)
4. Eprostol 200 (S. Korea)
5. Misofem (India)

INDIA: Uttar Pradesh/Bihar



Dates Implemented:

June – September, 2016

Outlets included:

20,512 outlets screened → 4,150 outlets met screening criteria

Total Clusters: 678 wards/villages

Miso products catalogued: 949

Outlets with at least 1 miso product: 804

Brands of misoprostol found: 37

Most Popular Brands and Country of Manufacturer

- | | |
|----------------------------|----------------------------|
| Uttar Pradesh | Bihar |
| 1. Unwanted Kit (India) | 1. Mifegest Kit (India) |
| 2. Safe Abort Kit (India) | 2. Unwanted Kit (India) |
| 3. Misoprostol 200 (India) | 3. Mifty Kit (India) |
| 4. Mifegest Kit (India) | 4. Misoprostol 200 (India) |
| 5. Clear Kit (India) | 5. Khushi MT Kit (India) |

MYANMAR



Dates Implemented:

February – May, 2016

Outlets included:

36,723 outlets screened → 7,791 outlets met screening criteria

Total Clusters: 670 wards/village tracts

Miso products catalogued: 168

Outlets with at least 1 miso product: 149

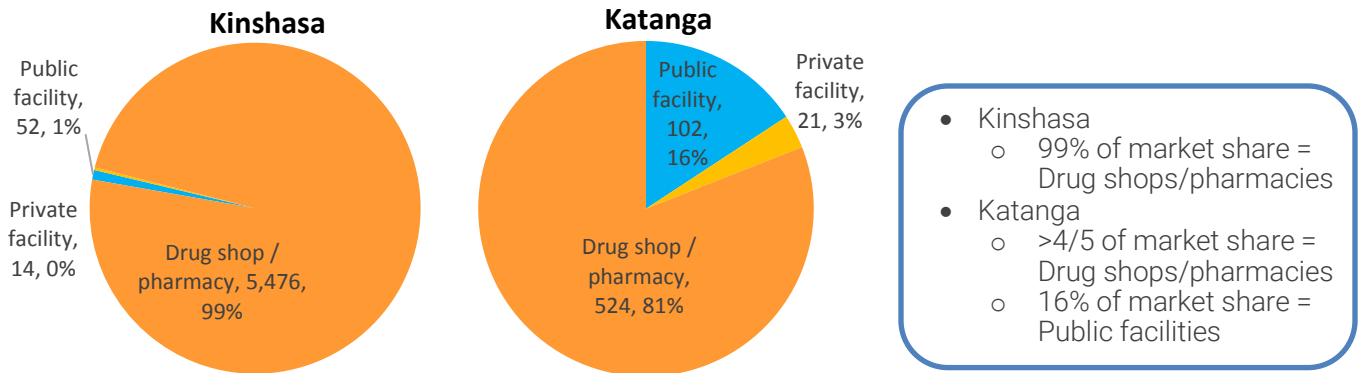
Brands of misoprostol found: 10

Most Popular Brands and Country of Manufacturer

1. Cytotec 200 (Argentina)
2. Cytomis (Bangladesh)
3. Misoclear (India)
4. Cynomax (India)
5. Misoprostol 200 (India)

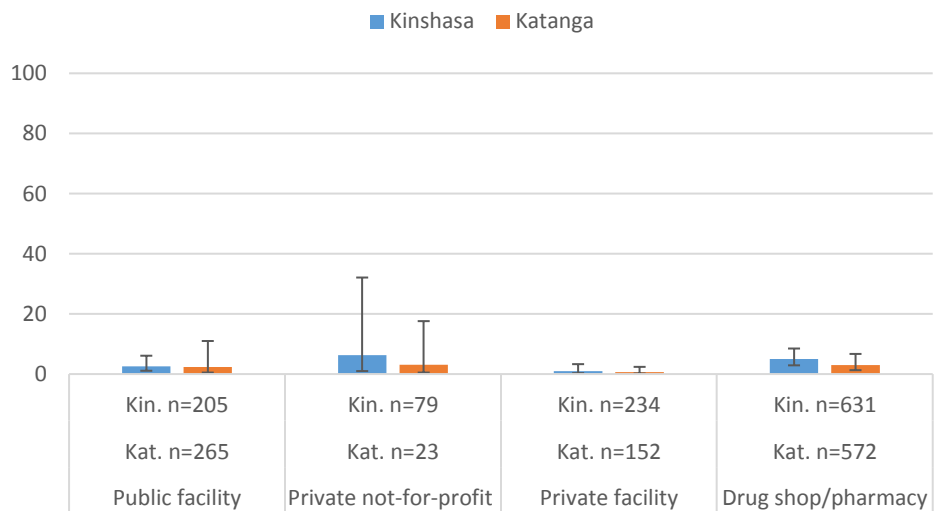
DEMOCRATIC REPUBLIC OF CONGO

Market Share (Volume of Misoprostol Doses) Sold to Individual Consumers, by Outlet Type



Percent of Outlets Enumerated Stocking At Least 1 Misoprostol Brand, with Confidence Intervals*, by Outlet Type

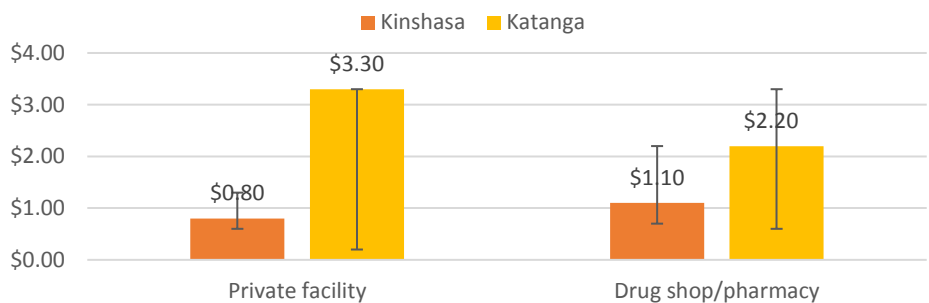
Availability: While availability of misoprostol was low in both geographic areas, Kinshasa had slightly higher availability than Katanga, across outlet types. Fewer than 3% of public facilities and private facilities in either area had misoprostol available when surveyed. Six percent of not-for-profits had misoprostol when surveyed. Despite drug shop/ pharmacies dominating the market share for misoprostol, just 5% or fewer had misoprostol available in either Kinshasa or Katanga.



*The black error bars overlaying the data display 95% confidence intervals, which show the estimated standard error based on the cluster design

Median Price in USD per 1 Misoprostol Dose with Interquartile Range**

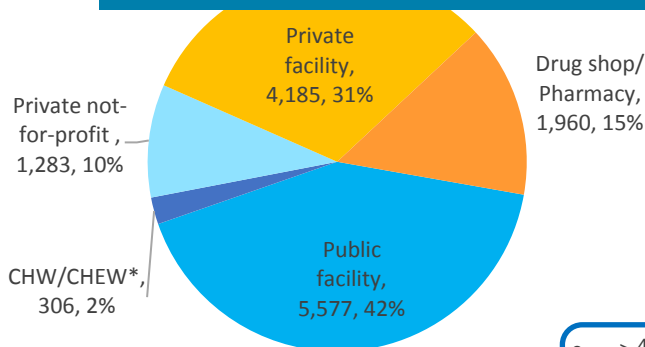
Price: The price of one misoprostol dose was higher in Katanga than in Kinshasa. Price in private facilities in Katanga (\$3.30) was over four times that of Kinshasa (\$0.80). In pharmacies and drug shops, misoprostol cost double in Katanga (\$2.20) what it cost in Kinshasa (\$1.10).



** The black whisker bars display the interquartile range, which shows the middle 50% of price distribution

ETHIOPIA

Market Share (Volume of Misoprostol Doses Sold to Individual Consumers, by Outlet Type



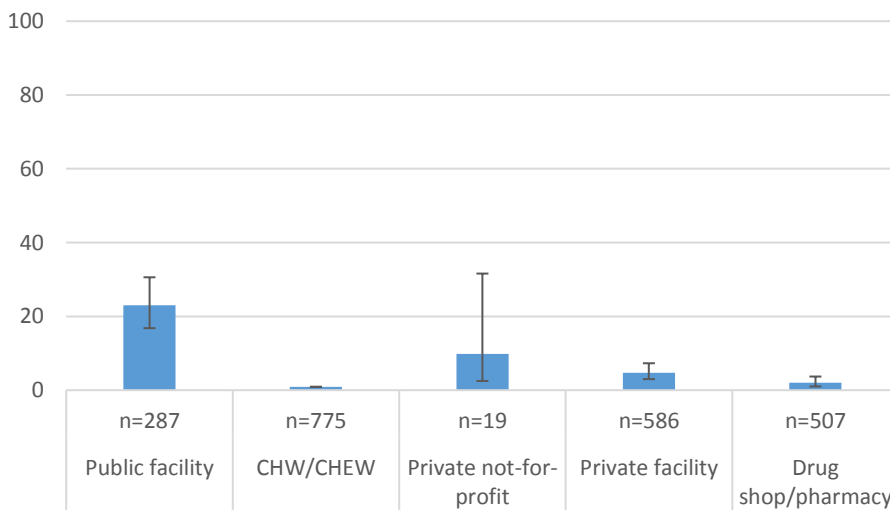
*CHW/CHEW: Community Health Worker/Community Health Extension Worker



- >40% of market share = Public facilities
- ~1/3 market share = Private facilities
- 15% of market share = Drug shops/pharmacies

Percent of Outlets Enumerated Stocking At Least 1 Misoprostol Brand with Confidence Intervals**, by Outlet Type

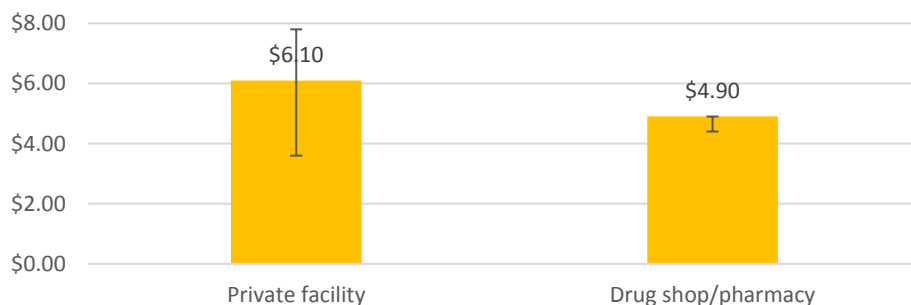
Availability: Misoprostol was available at just under a quarter of public facilities, which comprised over 40% of the total misoprostol market share in Ethiopia. Less than 1% of CHW/CHEWs and 1 in 10 private not-for-profits carried misoprostol on the day of the survey. In the private sector, less than 5% of private facilities had misoprostol available and just 2% of drug shop/pharmacies had the product available.



** The black error bars overlaying the data display 95% confidence intervals, which show the estimated standard error based on the cluster design

Median Price in USD per 1 Misoprostol Dose with Interquartile Range***

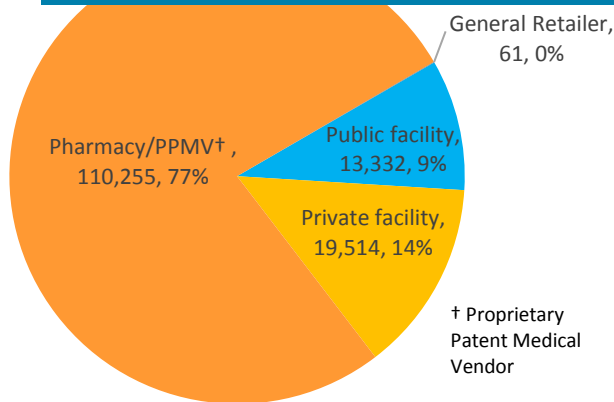
Price: In Ethiopia, the price of misoprostol was slightly higher among private facilities (\$6.10) compared with drug shop/ pharmacies (\$4.90).



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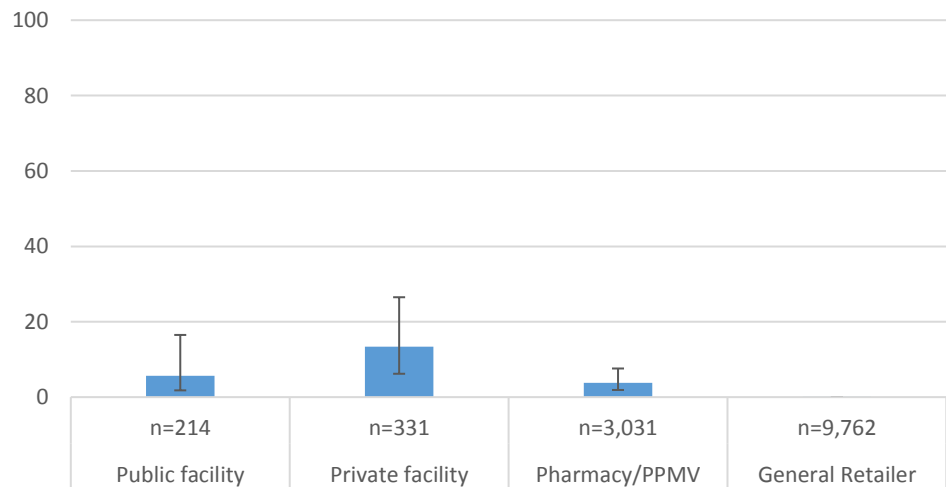
NIGERIA

Market Share (Volume of Misoprostol Doses) Sold to Individual Consumers, by Outlet Type



- Majority of market share = Private sector outlets
- >3/4 market share = PPMVs or pharmacies
- <10% = Public sector

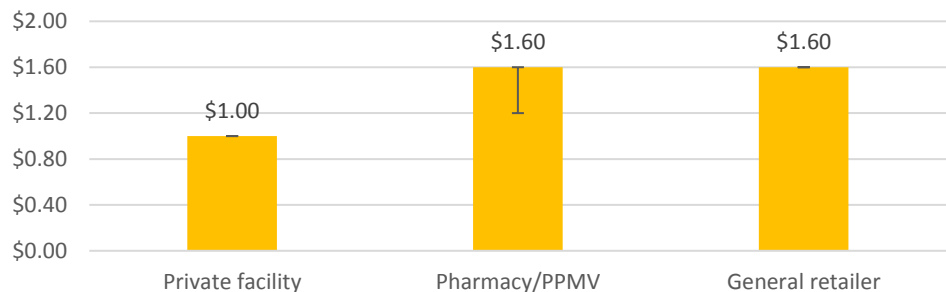
Percent of Outlets Enumerated Stocking At Least 1 Misoprostol Brand with Confidence Intervals*, by Outlet Type



* The black error bars overlaying the data display 95% confidence intervals, which show the estimated standard error based on the cluster design

Availability: In the public sector, just under 6% of public facilities reported having misoprostol available. In Nigeria's dominant private sector, 13% of private facilities carried misoprostol, while less than four percent of pharmacies/PPMVs had the product available when surveyed. However, the relatively low misoprostol availability in pharmacy/PPMVs accounted for over three-fourths of total misoprostol market share.

Median Price in USD per 1 Misoprostol Dose with Interquartile Range**

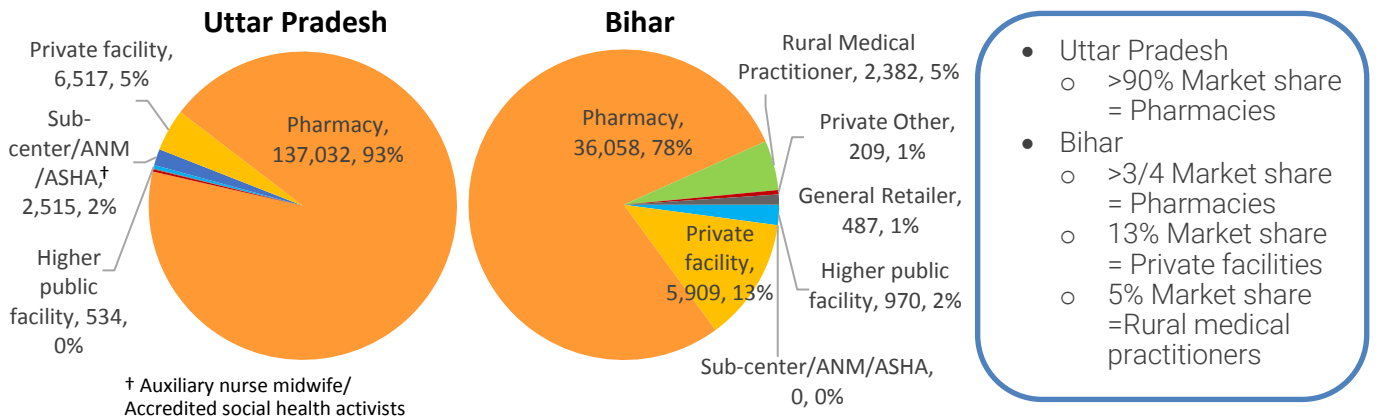


Price: The price of 1 dose of misoprostol (4 tablets) ranged from \$1.00 in private facilities to \$1.60 in pharmacy/PPMVs and general retailers.

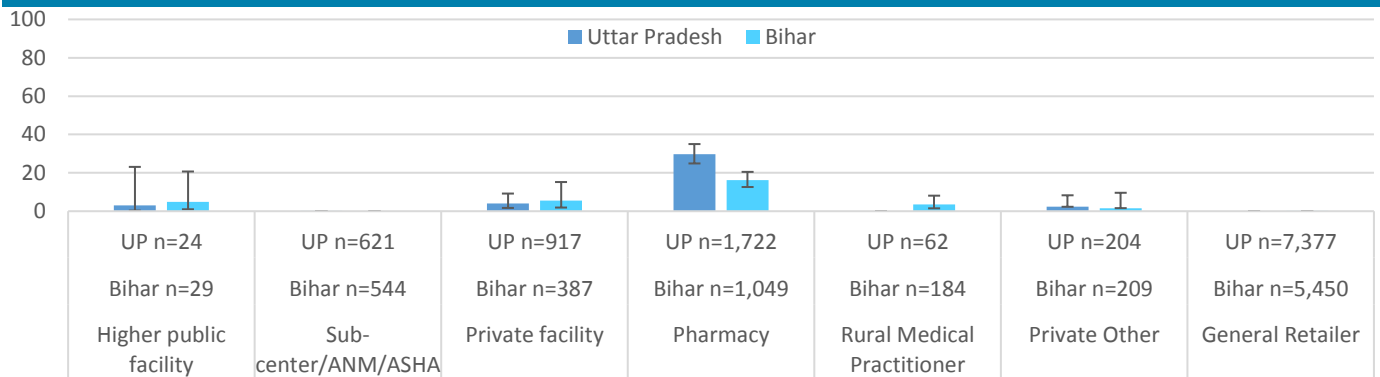
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INDIA

Market Share (Volume of Misoprostol Doses) Sold to Individual Consumers, by Outlet Type



Percent of Outlets Stocking At Least 1 Misoprostol Brand with Confidence Interval*, by Outlet Type

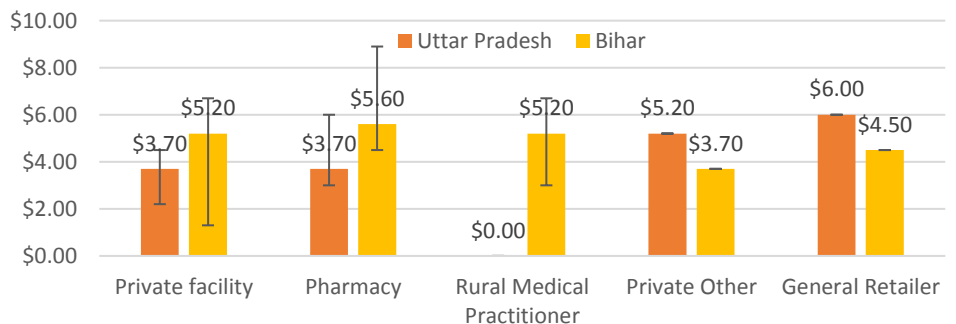


Availability: In the public sector, less than 5% of higher public facilities and less than 1% of sub-center/ANM/ASHAs had misoprostol available when surveyed. In the private sector, with the exception of pharmacies, misoprostol availability was similar in Uttar Pradesh (UP) and Bihar, with roughly 5% or less of all outlets types having misoprostol available on the day of the survey. In UP, 30% of pharmacies had misoprostol available, compared with 16% of Bihar pharmacies.

* The black error bars overlaying the data display 95% confidence intervals, which show the estimated standard error based on the cluster design

Median Price in USD per 1 Misoprostol Dose with Interquartile Range**

Price: The price of misoprostol was higher in UP outlets compared with typically more rural Bihar outlets, with the exception of private-other and general retailers. The cost of misoprostol generally ranged from \$3.70 to \$6.00 per dose across outlet types.

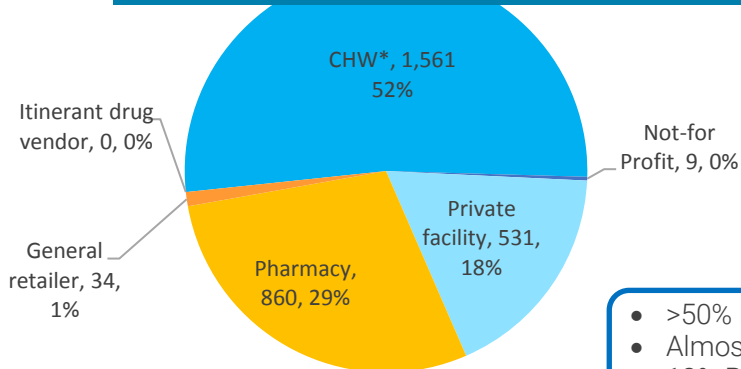


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MYANMAR

The Myanmar 2016 Outlet Survey was conducted only in the private sector.

Market Share (Volume of Misoprostol Doses) Sold to Individual Consumers, by Outlet Type



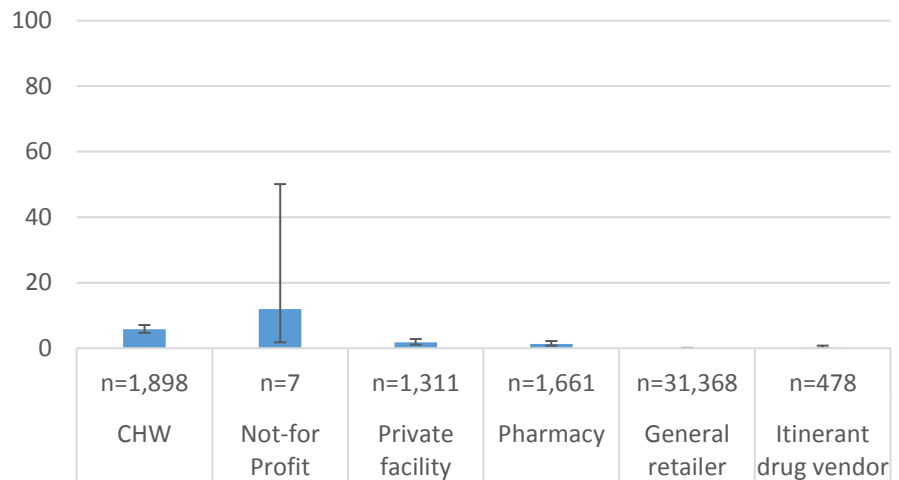
*CHW: Community Health Worker



- >50% Private market share = CHWs
- Almost 1/3 of private market share = Pharmacies
- 18% Private market share = Private facilities

Percent of Outlets Enumerated Stocking At Least 1 Misoprostol Brand with Confidence Interval, by Outlet Type

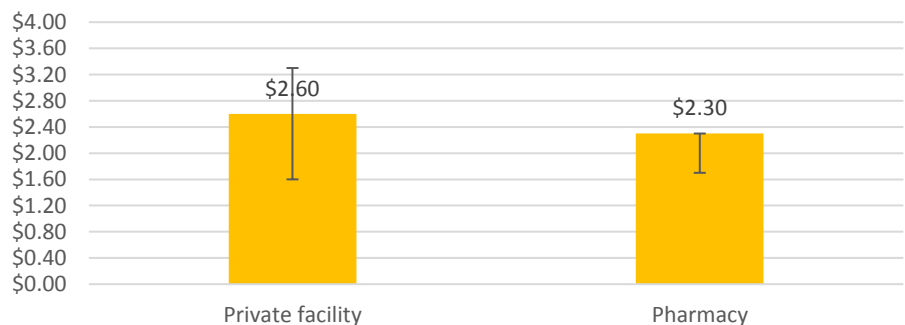
Availability: Just 6% of CHWs carried misoprostol, but this accounted for over half of the total misoprostol market share in Myanmar. Availability of misoprostol was low across private outlet types. Less than 2% of private facilities, pharmacies, general retailers, and itinerant drug vendors reported availability when surveyed; together, this comprised an additional 47% of total market share.



** The black error bars overlaying the data display 95% confidence intervals, which show the estimated standard error based on the cluster design

Price: In private facilities, the median price of 1 misoprostol dose was \$2.60 on the day of the survey. In pharmacies, the median cost was slightly lower at \$2.30.

Median Price in USD per 1 Misoprostol Dose with Interquartile Range***



*** The black whisker bars display the interquartile range, which shows the middle 50% of price distribution

SUMMARY



KEY TAKEAWAYS

- Availability of misoprostol was low across countries and regions, with less than 30% of all outlet types having misoprostol in stock on the day of the survey.
- The private sector, and particularly pharmacies and drug shops, accounted for most of the misoprostol market share in DRC, Nigeria, and India.
- Only three brands were found in the Ethiopia survey; public facilities (42%) and private facilities (31%) accounted for most of the misoprostol market share in Ethiopia. In contrast, 37 brands were found in India; pharmacies accounted for most of the misoprostol market share in India (93% in UP, 78% in Bihar).
- In the private sector in Myanmar, just 6% of CHWs carried misoprostol, but this accounted for over half of the total misoprostol market share.
- Across countries and regions, the price of one dose of misoprostol per CYP ranged from \$0.80 in private facilities in Kinshasa, DRC, to \$6.10 in private facilities in Ethiopia. Prices varied even within countries, for example, in the DRC, price was typically higher across rural Katanga compared with urban Kinshasa.
- Market share also varied among and within countries. Misoprostol represented 2.6% of the contraceptive market in Nigeria, while in DRC misoprostol ranged between 2.8% of the contraceptive market in Kinshasa and 1.1% in Katanga. In India misoprostol comprised 5% of the market in Uttar Pradesh and 1.5% in Bihar. The market share of misoprostol in Myanmar and Ethiopia was negligible compared to other products.