# Presentation Outline

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Photo credit: Sai Moe Kyaw, PSI
The FPwatch Project
FPwatch Overview

FPwatch produces standardized evidence on contraceptive commodity and service markets in 5 priority FP2020 countries

Goals:
- To generate relevant, timely & high-quality FP market evidence
- To disseminate evidence at national, regional & international levels

Funded by:

Bill & Melinda Gates Foundation
FPwatch in Myanmar

The 2015 FP outlet survey in Myanmar complements concurrent data collection focused on tracking FP2020 progress and supplements recent surveys looking at the contraceptive market in the public sector.

- **Data Collection Dates**: February - May, 2016
- **National Private Sector**
- **Outlets Considered**: Over 37,000 private outlets approached
- **Outlets Interviewed**: Nearly 7,800

Photo credit: Sai Moe Kyaw, PSI
What are the questions answered by the outlet survey in Myanmar?

1. What types of outlets in the private sector are carrying modern contraceptive methods?
2. What proportion of private sector outlets are stocking selected modern contraceptive commodities and providing a range of methods?
3. What is the relative market share for each contraceptive method and for each outlet type?
4. What is the consumer price of modern contraceptive methods among private sector outlets?
5. What proportion of private sector outlets are offering contraceptive services and what is the readiness of selected outlet types for performing contraceptive services?
Outlet Survey Methods
Methods and Study Population

• Authorization: Study obtained IRB, ethical, and government approvals
• Study Population: Outlets with modern contraceptives provider-dependent procedures available to individual consumers
• What is an outlet?
  - Private Medical
    - Community Health Worker
    - Not-For-Profit Facility
    - Private For-Profit Facility
    - Pharmacy
  - Private Other
    - General Retailer
    - Itinerant Drug Vendor
Sampling

• Representative sample of clusters
  • Multistage cluster sampling conducted with probability-proportional-to-size sampling (PPS)
  • Metropolitan, Urban & Rural strata
  • Township → ward or village tract

• Completed a full census of selected wards/ village tracts for outlets with the potential to distribute modern contraceptive methods

• Interviewed all eligible outlets (at least one or more modern contraceptive method currently/recently in stock or with provider-dependent procedure available)

• Audit of all available family planning commodities conducted, along with provider interviews on services
FPwatch in Myanmar: Metro Sampling Map

Legend
- State/Region boundary
- District boundary
- Selected Mandalay Metropolitan Townships
- Selected Mandalay Urban/Rural Townships

Mandalay Region

Legend
- State/Region boundary
- District boundary
- Selected Yangon Metropolitan Townships
- Selecte Yangon Urban/Rural Townships

Yangon Region
FPwatch in Myanmar: Urban & Rural Sampling Map with Strata Totals

<table>
<thead>
<tr>
<th>Strata</th>
<th>Selected Townships</th>
<th>Selected wards/ village tracts</th>
<th>Outlets enumerated</th>
<th>Outlets interviewed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metro</td>
<td>39</td>
<td>95</td>
<td>7,653</td>
<td>1,436</td>
</tr>
<tr>
<td>Urban</td>
<td>55</td>
<td>256</td>
<td>14,871</td>
<td>2,652</td>
</tr>
<tr>
<td>Rural</td>
<td>55</td>
<td>319</td>
<td>15,257</td>
<td>3,703</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>94</strong></td>
<td><strong>670</strong></td>
<td><strong>37,781</strong></td>
<td><strong>7,791</strong></td>
</tr>
</tbody>
</table>

* 58 Townships purposively excluded
Outlet Survey Sample

37,781 outlets enumerated

10,149 LPS sélectionnés

37,781 outlets enumerated

7,810 outlets met screening criteria

7,791 outlets interviewed

1,058 outlets not screened

28,913 outlets did not meet screening criteria

19 outlets not interviewed

36,723 outlets screened (1,894 with condoms)

36,723 outlets screened (1,894 with condoms)
Full Census Activity

Myanmar Outlet Survey Results

Feb 2017
Data Collection: Contraceptive Audit

When contraceptives are in stock: Product audit

- Record information about each contraceptive commodity in stock:
  - Brand/generic names
  - Formulation & strength
  - Manufacturer & country
  - Volume distributed in the past month
  - Retail and wholesale price
  - Stock outs in last 3 months
  - Immediate supplier
Data Collection: Contraceptive Audit

- **Mini Audit**
  - Male condoms
  - Female condom

- **Full Audit**
  - Oral contraceptives
  - Emergency contraceptive pills
  - Injectable contraceptives
  - Contraceptive implants
  - IUDs
Data Collection: Provider Interviews

- When products out of stock
  - Brands/methods out of stock
- When provider-dependent procedures are available
  - Price
  - Volume
  - Provider training/credentials
  - Key equipment
What FPwatch Adds to Contraceptive Market Understanding

Features of the outlet survey allow for a picture of the total market for modern contraceptive commodities & services

- Census approach
- Denominator of total distribution (in the past month) across commodities and outlet types
- Audit / inventory of all available brands/generics of commodities
  - Including brand & manufacturer
- Retail and wholesale price
- Service characteristics
- Stakeholder interviews
- GPS coordinates
Outlet Survey Results
What proportion of private sector outlets are stocking selected modern contraceptive commodities and providing a range of methods?
Availability of Selected Short-Acting Contraceptives – National

Among screened outlets, by outlet type

- Male condoms
- Female condoms
- Oral contraceptives
- Emergency contraceptives
- Contraceptive injectables
Availability of Selected Long-Acting Contraceptives – National

Among screened outlets, by outlet type

- Community Health Worker: 1.9
- For-Profit Health Facility: 0.8
- Pharmacy: 4.8
- General Retailer: 0.7
- Itinerant Drug Vendor: 0.7

Implants
IUDs

Myanmar Outlet Survey Results | Feb 2017
Availability of Selected Short-Acting Contraceptives – Strata

Among screened outlets, by sector
Availability of Selected Long-Acting Contraceptives – Strata

*Among screened outlets, by sector*

- **Metro**
  - Private Medical Total
  - Private Other Total
- **Urban**
  - Private Medical Total
  - Private Other Total
- **Rural**
  - Private Medical Total
  - Private Other Total

**Graph Details:**
- X-axis: Private Medical Total, Private Other Total
- Y-axis: Number of outlets
- Bars: Green for Implants, Brown for IUDs

**Source:** Myanmar Outlet Survey Results | Feb 2017
Stock outs
Current Stock Outs of Selected Contraceptives – National

Among outlets reportedly stocking method in previous 3 months, by outlet & method type
Current Stock Outs of Selected Contraceptives – Strata

Among outlets reportedly stocking method in previous 3 months, by outlet & method type

![Graph showing current stock outs of selected contraceptives by strata (Metro, Urban, Rural) and outlet type (Private Medical, Private Other). The graph includes data for oral contraceptives, emergency contraceptives, injectables, implants, and IUDs.]
Range of methods
Diversity in Available Modern Contraceptive Methods – National

*Among screened outlets, by outlet type*

- Community Health Worker: 9.4%
- Private For-Profit Health Facility: 19.1%
- Pharmacy: 48.2%
- General Retailer: 0.2%
- Itinerant Drug Vendor: 0.4%

**Any modern method**

**3+ methods**

**3+ methods with LARC/PM**

**5+ methods**
Diversity in Available Modern Contraceptive Methods – Strata

Among screened outlets, by outlet type
What types of outlets in the private sector are carrying modern contraceptive methods?
FP market composition – National

Relative distribution of outlet types with one or more modern contraceptive commodities available; Among eligible outlets with products*

- Private Community Health Worker
- Not-For-Profit
- Private For-Profit Health Facility
- Pharmacy
- General Retailer
- Itinerant Drug Vendor

* This chart only includes outlets with modern contraceptive commodities above the level of condoms.

N = 6,680
FP market composition/share – National

As a % of total volume of CYP, by contraceptive outlet type

*These charts only include outlets with modern contraceptive commodities above the level of condoms.
FP market composition – Strata

Relative distribution of outlet types with one or more modern contraceptive commodities available; Among eligible outlets with products*

* These charts only includes outlets with modern contraceptive commodities above the level of condoms.
FP market composition/share – Strata
As a % of total volume of CYP, by contraceptive outlet type

* These charts only includes outlets with modern contraceptive commodities above the level of condoms.
What is the relative market share for each contraceptive method and for each outlet type?
Contraceptive market share is determined based on **Couple-Years of Protection (CYP)**: The CYP is calculated by multiplying the quantity of each method sold or distributed to clients by a conversion factor, to yield an estimate of the duration of contraceptive protection per unit of the method. The CYP for each method/outlet type are then summed over all methods to obtain a total CYP figure.

* From: [http://www.cpc.unc.edu/measure/prh/rh_indicators/specific/fp/cyp](http://www.cpc.unc.edu/measure/prh/rh_indicators/specific/fp/cyp)
Contraceptive Market Share – National
As a % of total volume of CYP, by contraceptive method and outlet type

- Female sterilization
- IUDs
- Injectables
- Oral contraceptives
- Male condoms
- Male sterilization
- Implants
- Emergency contraceptives
- Female condoms

Myanmar Outlet Survey Results | Feb 2017
Contraceptive Market Share – National
As a % of total volume of CYP for selected outlet type, by contraceptive method
Contraceptive Market Share – Strata
As a % of total volume of CYP, by contraceptive method and outlet type

Metro

- Female sterilization
- Male sterilization
- IUDs
- Implants
- Contraceptive injectables
- Emergency contraceptives
- Oral contraceptives
- Female condoms
- Male condoms

Urban

Rural
What is the consumer price of modern contraceptive methods among private sector outlets?
Median Price – National

Among all brands of each method type, in USD & USD/CYP

- Male condoms: $0.04
- Female condoms: $-
- Oral contraceptives: $0.41
- Emergency contraceptives: $0.74
- Contraceptive injectables: $0.82
- Implants: $4.95
- IUDs: $4.13

Median price range: $0.04 - $14.85

Myanmar Outlet Survey Results | Feb 2017
Median Price, Selected Methods – Strata

Among all brands of each method type, in USD

<table>
<thead>
<tr>
<th>Metro</th>
<th>Oral contraceptives</th>
<th>Contraceptive injectables</th>
<th>IUDs</th>
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<tbody>
<tr>
<td>USD</td>
<td>$0.50</td>
<td>$1.24</td>
<td>$4.13</td>
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<table>
<thead>
<tr>
<th>Urban</th>
<th>Oral contraceptives</th>
<th>Contraceptive injectables</th>
<th>IUDs</th>
</tr>
</thead>
<tbody>
<tr>
<td>USD</td>
<td>$0.41</td>
<td>$0.70</td>
<td>$4.13</td>
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</table>

<table>
<thead>
<tr>
<th>Rural</th>
<th>Oral contraceptives</th>
<th>Contraceptive injectables</th>
<th>IUDs</th>
</tr>
</thead>
<tbody>
<tr>
<td>USD</td>
<td>$0.25</td>
<td>$0.82</td>
<td>$2.47</td>
</tr>
</tbody>
</table>
Services
What is the availability of contraceptive services and readiness of selected outlet types for performing contraceptive services?
Available Modern Contraceptive Procedures – National

Among screened outlets, by outlet type
Available Modern Contraceptive Procedures – Strata
Among screened outlets, by sector

Myanmar Outlet Survey Results | Feb 2017
Service Readiness

Readiness to provide contraceptive services is a composite indicator combining:
1. Availability of contraceptive on-site;
2. Trained/credentialed providers; and
3. A minimum set of equipment needed for the service.

*If an outlet meets all 3 conditions, it is classified as service-ready.*
Service Readiness Total – National

Among outlets reportedly providing service, by outlet type

Private Medical Total
Private Other Total
Service Readiness Criteria – National

Among outlets reportedly providing service, by outlet type

![Bar chart showing availability of commodities, equipment, and credentials for contraceptive injection, implant insertion, and IUD insertion in private medical and other outlets.](image-url)
Summary
1. **What types of outlets in the private sector are carrying modern contraceptive methods?**

1. General retailers and pharmacies account for two-thirds of outlets providing at least one modern contraceptive method in Myanmar. This ranges from 63% in rural areas, with the majority comprising of general retailers, to 71% in urban areas, with a fairly even general retailer/pharmacy split.

2. CHWs (16%) and private health facilities (15%) are the next most common outlets providing at least one modern contraceptive method.

3. CHWs are most common in rural areas, where they account for almost a third of outlets providing at least one modern contraceptive method.

4. Not-for-profits and itinerant drug vendors did not typically stock modern contraceptive methods except in rural areas, where itinerant drug vendors comprised 5% of the contraceptive market.
2. **What proportion private sector outlets are stocking selected modern contraceptive commodities and providing a range of methods?**

1. In Myanmar’s private sector, LARC availability is largely restricted to CHWs, for-profit health facilities, and pharmacies. However, even in these outlets, availability is below 5%.

2. Over 45% of CHWs, for-profit health facilities, and pharmacies were found to be stocking injectables. For oral contraceptives, a quarter of CHWs, 36% of for-profit facilities and almost 90% of pharmacies stocked the method.

3. Emergency contraceptive availability was low, with the exception of pharmacies (39%).

4. Twenty percent of CHWs, 11% of private for-profit health facilities, and 4% of pharmacies were out of stock of injectables when surveyed but had them available in the past three months; less than 15% of these outlet types were stocked out of injectables.
2. What proportion of private sector outlets are stocking selected modern contraceptive commodities and providing a range of methods?

5. Most CHWs, private for-profit facilities and pharmacies stock at least one modern contraceptive method; one in ten CHWs, 72% of private for-profit facilities, and 92% of pharmacies stocked three or more methods.

6. Less than 5% of any outlet type stocked 3+ methods with a LARC/PM.

7. Diversity of methods was lower in rural areas compared with urban and metro areas.
3. **What is the relative market share for each contraceptive method and for each outlet type?**

1. Ninety percent of the contraceptive market share was accounted for by private medical outlets and one-tenth from other non-traditional private outlets. Pharmacies contributed 54%, private for-profit facilities contributed 21% and CHWs contributed 12% to total volume of CYP distributed in Myanmar.

2. Contraceptive injectables accounted for 60%, oral contraceptives accounted for 29% and IUDs accounted for 5% of the total volume of CYP distributed in Myanmar. Injectables dominated the within market share of the private medical sector and oral contraceptives were more prominent in the private other non-traditional outlets.

3. In rural areas, the non-traditional private outlet types comprised over a quarter of the total market share, whereas in urban and metro areas, these outlets did not exceed 8% of the market share.

4. LARC methods accounted for less than 6% of the total volume of CYP in Myanmar.
4. What is the consumer price of modern contraceptive methods among private sector outlets?

1. The median price for emergency contraceptive pills, male condoms and implants were higher compared to the most common methods.

2. The median price per CYP in private outlets for injectables and oral contraceptives, the largest market share contributors in Myanmar, was $3.30 USD per CYP and $3.71 USD per CYP, respectively.

3. The most cost-efficient method in the private sector was IUDs at $0.90 USD per CYP. Compared with IUDs, injectables cost 3x the price of one CYP.

4. Prices did not vary much between strata and specific outlet types.
5. What is the availability and readiness of selected outlet types for performing contraceptive services?

1. Relatively low percentages of all private outlet types screened offered services other than contraceptive injections. For this service, over two-thirds of CHWs and over three-quarters of private facilities offered contraceptive injection services.

2. Other procedures were rarely offered in private outlet types among outlets screened, except for small proportions of private facilities offering implant insertions (4 percent) and IUD insertions (8 percent). An additional 2 percent of CHWs reportedly offered IUD insertion services.

3. For injection services, only about one-quarter of CHWs and nearly three-quarters of private facilities met criteria for service readiness. For CHWs, about 30 percent did not stock the commodity, 60 percent did not have credentials/training to provide the service and 30% did not have necessary equipment. Most facilities, that did not meet service readiness lacked the physical commodity.

4. All private health facilities offering IUD insertions met full service readiness criteria to provide the service.
Acknowledgements

- Ministry of Health and Sports
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