



Using Postpartum Systematic Screening for Family Planning and Immunization Integration: Feasibility and Opportunities for Future Expansion in Mozambique

by: Leonardo Chavane^{1,2}, Kathryn Smock², Gilda Sitefane², Elaine Charurat¹, and Reena Sethi¹

affiliations: ¹Jhpiego; ²MCHIP/Jhpiego

Background

- Mozambique's maternal and neonatal mortality remains among the highest in the world, at 408/100,000 live births and 30/1,000 live births, respectively. (Demographic and Health Survey [DHS] 2011)
- Unmet need for family planning (FP) is 69% within 2 years postpartum.
- 45% of pregnancies occur before an interval of 24 months. (DHS 2011)
- Nationally, 70% of children receive DPT3 immunization during the first year of life. (DHS 2011)
- Integration of FP services with immunization provides an opportunity to reach women with FP services.

Hypothesis

- The use of a Postpartum Systematic Screening (PPSS) tool and referral process helps to improve the provision and uptake of FP services for women in their first year postpartum who come to the health facility for postnatal care, immunization, and other maternal and child health (MCH)-related services.

Objective

- Evaluate the feasibility of using the PPSS tool and approach for screening and referral of women to FP services in the context of Mozambique

Methodology

- **Cross-sectional study**
- **Pre- and post-intervention design**
- **Conducted in three health facilities in Maputo City selected purposively for their high volume of utilization of MCH services**

Methodology, cont.

- **Data collection:**
 - The study used five tools for data collection:
 - Supportive standardized guidelines
 - Client exit interview
 - Provider interview
 - Monthly service statistics
 - Referral tracking system
- **Data collection was conducted by contracted health care providers trained on the tools, methods, and PPSS approach.**
- **Quantitative analyses were conducted in SPSS 22.0.**
- **Intervention steps:**
 - Conduct provider training, onsite support to adjust client flow, monthly supportive supervision visits, and implement a referral system.
 - Orient health care providers, including medical doctors, MCH nurses, and preventive technicians working in FP, immunization, and/or postnatal services, on the PPSS and referral tracking system tool.
 - Provide postpartum FP counseling and services to women who have delivered within the last 12 months and are not using any FP method.
 - Identify, refer, and offer FP methods and other relevant MCH services to women who have additional service needs.

Methodology (Tools)

MCHIP FP Postpartum Systematic Screening Instrument (Modified from FRONTIERS)

Item number	Item ID	Item label	Item version
Item 1	1	<p>Read the text and answer the questions.</p> <p>Text: <i>John and his wife had a very good time on their holiday in France. They went to the beach every day and swam in the sea. They also went to the mountains and saw some very beautiful views. They had a picnic under a big tree in the park. They also went to the museum and saw some very interesting things. They had a picnic under a big tree in the park. They also went to the museum and saw some very interesting things.</i></p> <p>Questions: 1. Where did John and his wife go? 2. What did they do there? 3. What did they see? 4. What did they eat? 5. What did they do in the park? 6. What did they see in the museum?</p>	<p>1. <input type="text"/> 2. <input type="text"/> 3. <input type="text"/> 4. <input type="text"/> 5. <input type="text"/> 6. <input type="text"/></p>
Item 2	2	<p>Read the text and answer the questions.</p> <p>Text: <i>The weather was very hot today. The sun was shining brightly and the temperature was 30 degrees Celsius. The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming. The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming.</i></p> <p>Questions: 1. What was the weather like? 2. What was the temperature? 3. What were the children doing? 4. What were the dogs doing? 5. What were the birds doing? 6. What were the flowers doing?</p>	<p>1. <input type="text"/> 2. <input type="text"/> 3. <input type="text"/> 4. <input type="text"/> 5. <input type="text"/> 6. <input type="text"/></p>
Item 3	3	<p>Read the text and answer the questions.</p> <p>Text: <i>The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming. The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming.</i></p> <p>Questions: 1. What were the children doing? 2. What were the dogs doing? 3. What were the birds doing? 4. What were the flowers doing?</p>	<p>1. <input type="text"/> 2. <input type="text"/> 3. <input type="text"/> 4. <input type="text"/></p>
Item 4	4	<p>Read the text and answer the questions.</p> <p>Text: <i>The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming. The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming.</i></p> <p>Questions: 1. What were the children doing? 2. What were the dogs doing? 3. What were the birds doing? 4. What were the flowers doing?</p>	<p>1. <input type="text"/> 2. <input type="text"/> 3. <input type="text"/> 4. <input type="text"/></p>
Item 5	5	<p>Read the text and answer the questions.</p> <p>Text: <i>The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming. The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming.</i></p> <p>Questions: 1. What were the children doing? 2. What were the dogs doing? 3. What were the birds doing? 4. What were the flowers doing?</p>	<p>1. <input type="text"/> 2. <input type="text"/> 3. <input type="text"/> 4. <input type="text"/></p>
Item 6	6	<p>Read the text and answer the questions.</p> <p>Text: <i>The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming. The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming.</i></p> <p>Questions: 1. What were the children doing? 2. What were the dogs doing? 3. What were the birds doing? 4. What were the flowers doing?</p>	<p>1. <input type="text"/> 2. <input type="text"/> 3. <input type="text"/> 4. <input type="text"/></p>
Item 7	7	<p>Read the text and answer the questions.</p> <p>Text: <i>The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming. The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming.</i></p> <p>Questions: 1. What were the children doing? 2. What were the dogs doing? 3. What were the birds doing? 4. What were the flowers doing?</p>	<p>1. <input type="text"/> 2. <input type="text"/> 3. <input type="text"/> 4. <input type="text"/></p>
Item 8	8	<p>Read the text and answer the questions.</p> <p>Text: <i>The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming. The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming.</i></p> <p>Questions: 1. What were the children doing? 2. What were the dogs doing? 3. What were the birds doing? 4. What were the flowers doing?</p>	<p>1. <input type="text"/> 2. <input type="text"/> 3. <input type="text"/> 4. <input type="text"/></p>
Item 9	9	<p>Read the text and answer the questions.</p> <p>Text: <i>The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming. The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming.</i></p> <p>Questions: 1. What were the children doing? 2. What were the dogs doing? 3. What were the birds doing? 4. What were the flowers doing?</p>	<p>1. <input type="text"/> 2. <input type="text"/> 3. <input type="text"/> 4. <input type="text"/></p>
Item 10	10	<p>Read the text and answer the questions.</p> <p>Text: <i>The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming. The children were playing in the park and the dogs were barking. The birds were singing and the flowers were blooming.</i></p> <p>Questions: 1. What were the children doing? 2. What were the dogs doing? 3. What were the birds doing? 4. What were the flowers doing?</p>	<p>1. <input type="text"/> 2. <input type="text"/> 3. <input type="text"/> 4. <input type="text"/></p>

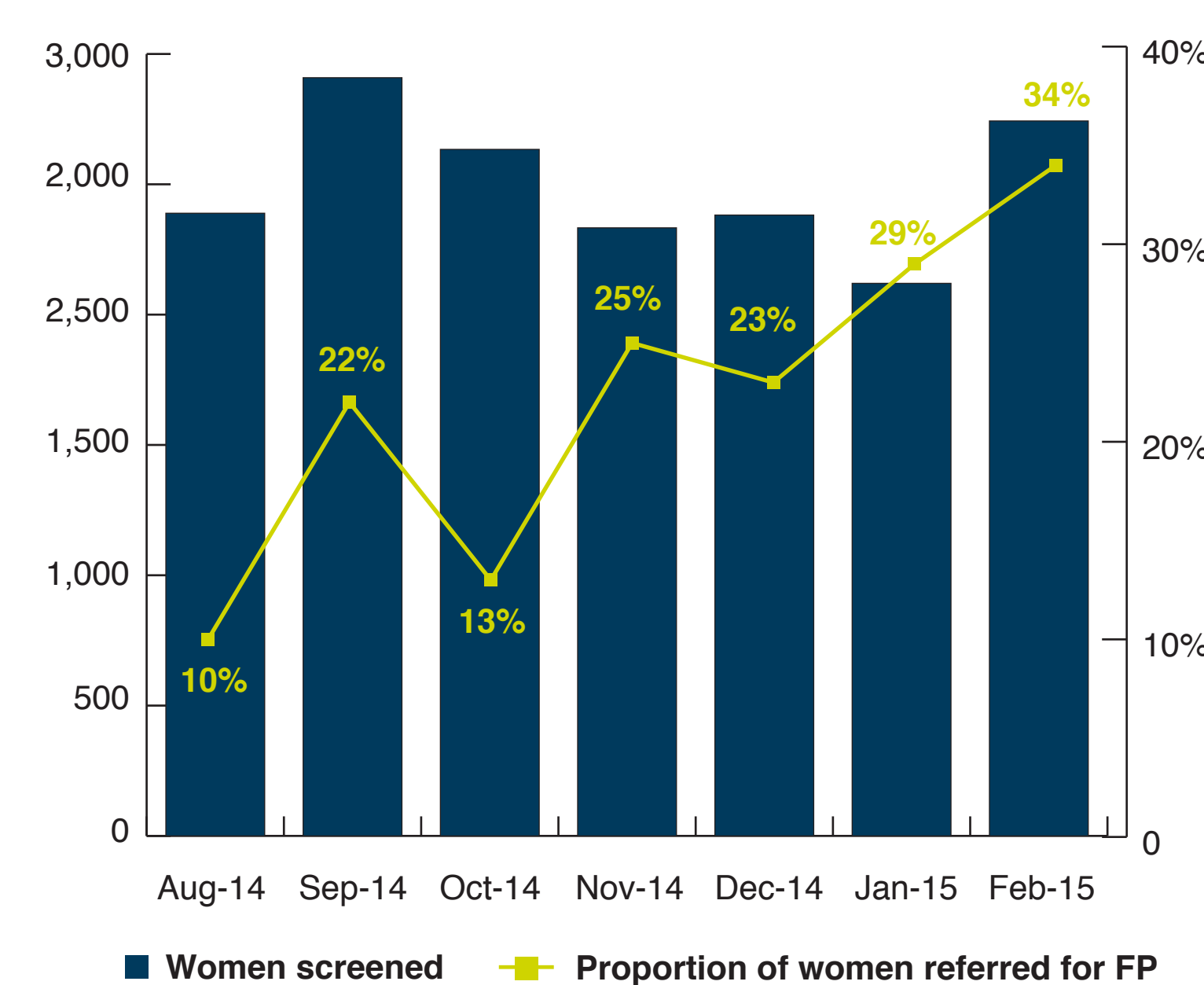
Methodology (Tools), cont.

		Immunisation	FP
Postpartum/Postnatal Care		No XXX (same as the number assigned in the referral tracking sheet)	Date of arrival: () same day () different day
No XXX (same as the number assigned in the referral tracking sheet)	Date of arrival: () same day () different day	FP method received: () None	
FP	Well Baby Clinic	FP	
Date of referral: (dd/mm/yyyy to be recorded)	No XXX (same as the number assigned in the referral tracking sheet)	Date of arrival: () same day () different day	
		FP method received: () None	
Date of referral: (dd/mm/yyyy to be recorded)		() Depo () IUD () Male condoms () Implant () Female condoms () Combined pills () Other: _____	

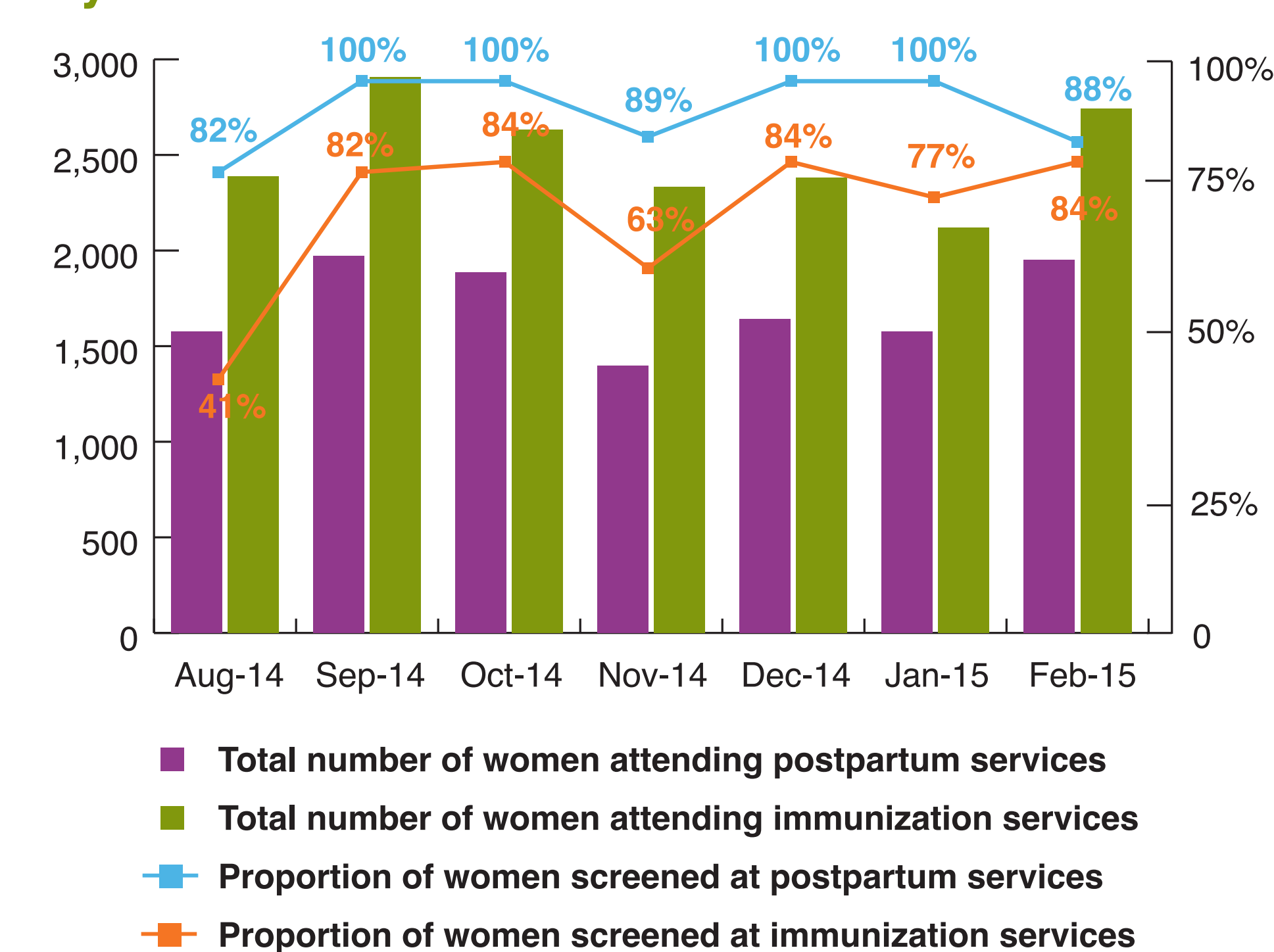
Results

- Of the **22,196** women who brought their children for immunization and postnatal care services from August 2013 to February 2014, **79% (17,510)** were screened through PPSS for FP.
- Of those women, **22% (3,894)** reached the FP clinic, and **72% (2,816)** of these women received a FP method.
- The majority of the women who received a FP method, **87% (2,449)**, received the method on the same day.
- The referral process contributed **41%** of the total number of new FP users at these facilities during the study period.

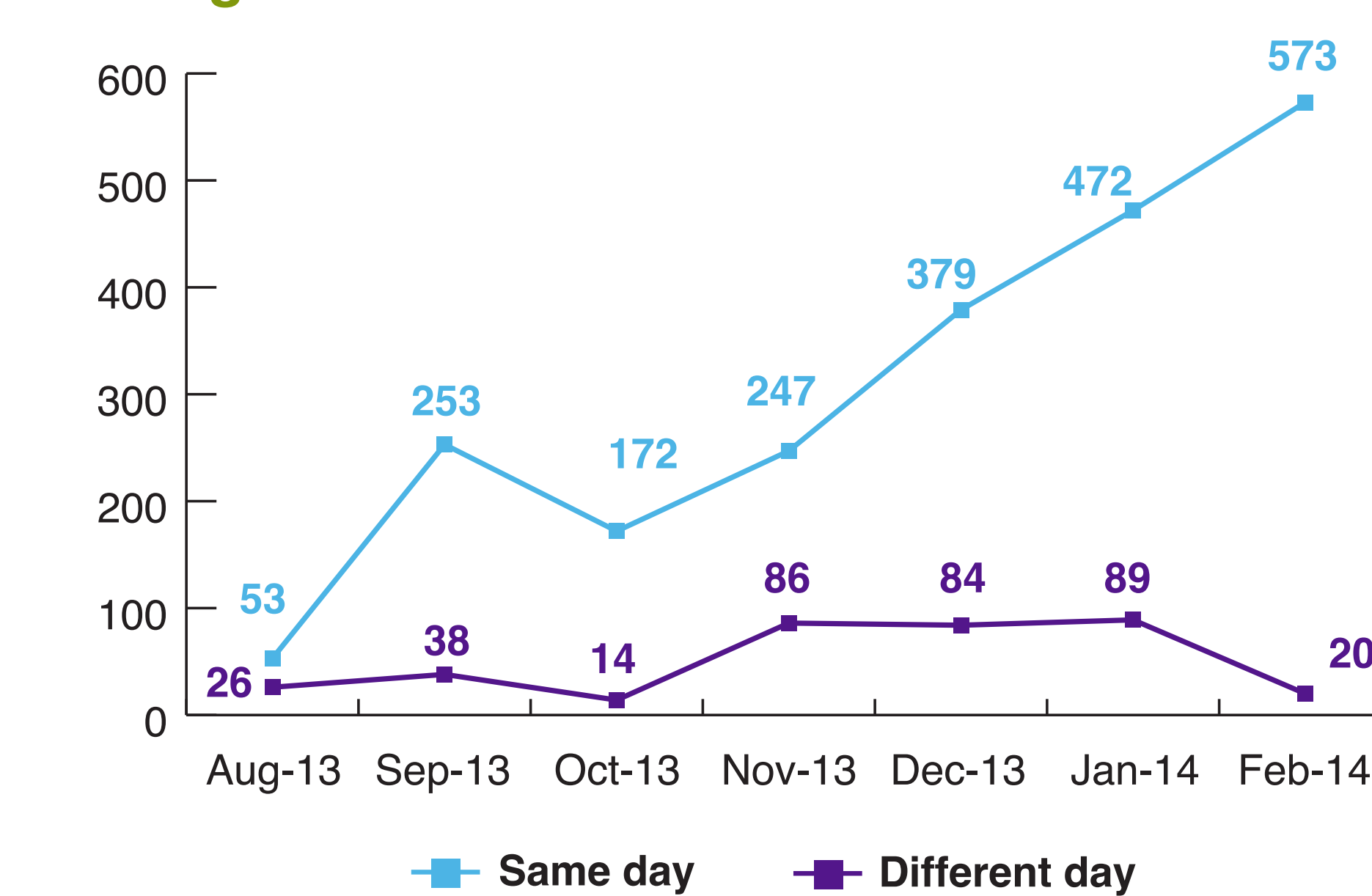
Evolution of Number of Screened Women and the Proportion of Women Referred to FP Services by Month



Percentage of Clients Screened with PPSS, by Location



FP Attendance (REFERRED ONLY), by Month and Timing of Return



Implications

- Study results demonstrate that the PPSS intervention was feasible, with the potential to increase uptake of FP utilization.

Implications, cont.

- The study also illustrated that introducing postpartum FP services did not have negative effects on the uptake of immunization or postnatal care services.
- Opportunities to integrate FP services with other MCH services should be actively explored by programs to increase uptake of FP in Mozambique.
- As a result of this study, the Ministry of Health of Mozambique approved the PPSS flowchart for referrals as part of national MCH algorithms.
- A second phase of the study was conducted at province level (Nampula Province) with similar results.
- Recently, a decision was made to scale up the use of the PPSS approach nationally.

PPSS Flowchart for Referrals of FP Clients

