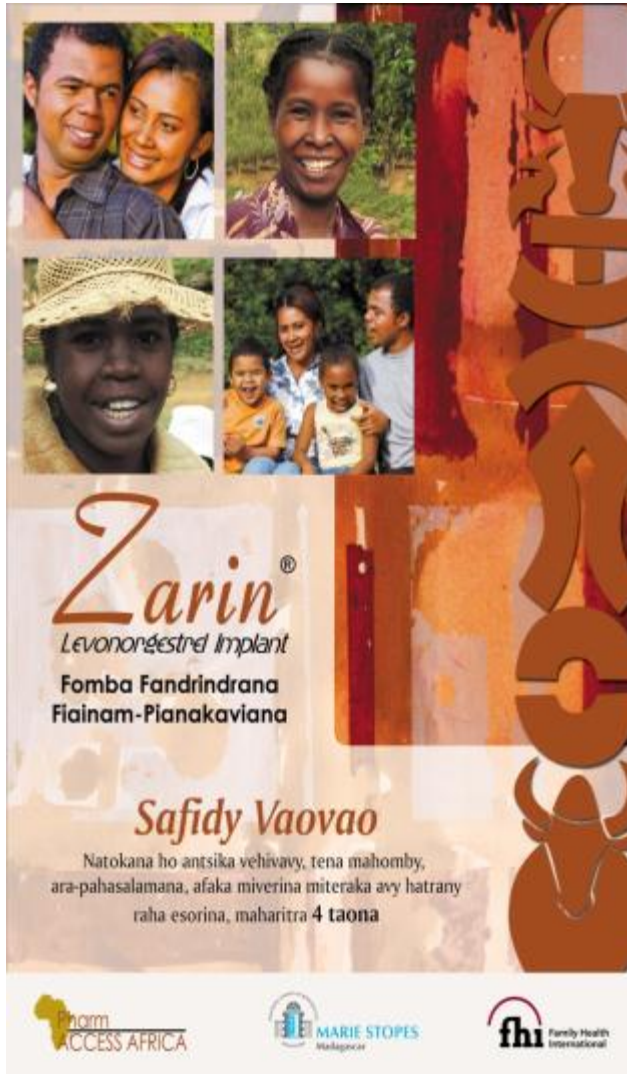





The Contraceptive Implant: Global Evidence & Marie Stopes International's Experience

Martyn Smith
6th September 2012



Zarin[®]
Levononéstréol Implant
Fomba Fandrindrana
Fiainam-Planakaviana

Safidy Vaovao
Natokana ho antsika vehivavy, tena mahomby,
ara-pahasalamana, afaka miverina miteraka avy hatrany
raha esorina, maharitra **4 taona**

Contraceptive Unmet Need in India

- 31million women in India still have an unmet need for family planning.*
- Addressing this need can prevent 15m unintended pregnancies, 1m unsafe abortions, 2000 maternal deaths.**
- Use of modern methods at 48.5% with long acting reversible methods (IUD) at 1.7% in India.***

*Srivastava Dhiraj Kumar, Gautam Pramod, Gautam Roli, Gour Neeraj, Bansal Manoj , A study to assess the unmet needs of family planning in Gwalior district And to study the factors that helps in determining it, *National Journal Of Community Medicine* 2011 volume 2 issue 1

** *Impact Estimator* ,MSI

*** *NFHS III*

Choice is Important

1:
Choice of whether to use contraception

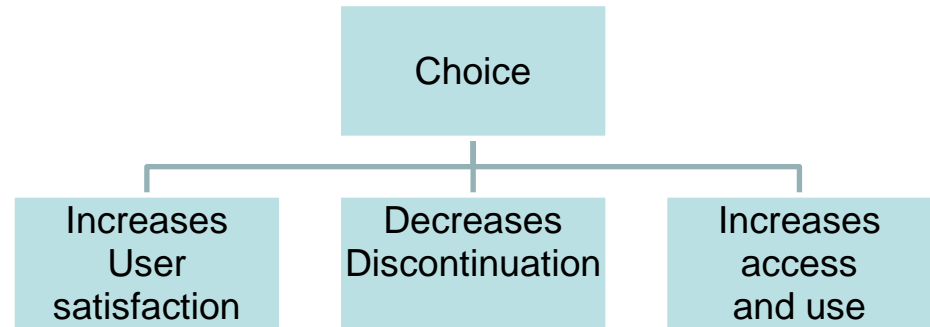
Yes No

2:
Choice of contraceptive provider

Icon of a woman, icon of a house, icon of a question mark

3:
Choice of contraceptive method

Icon of a pill bottle, icon of a pill pack, icon of a syringe, icon of a condom, icon of a woman with a pill (circled in red), icon of a question mark

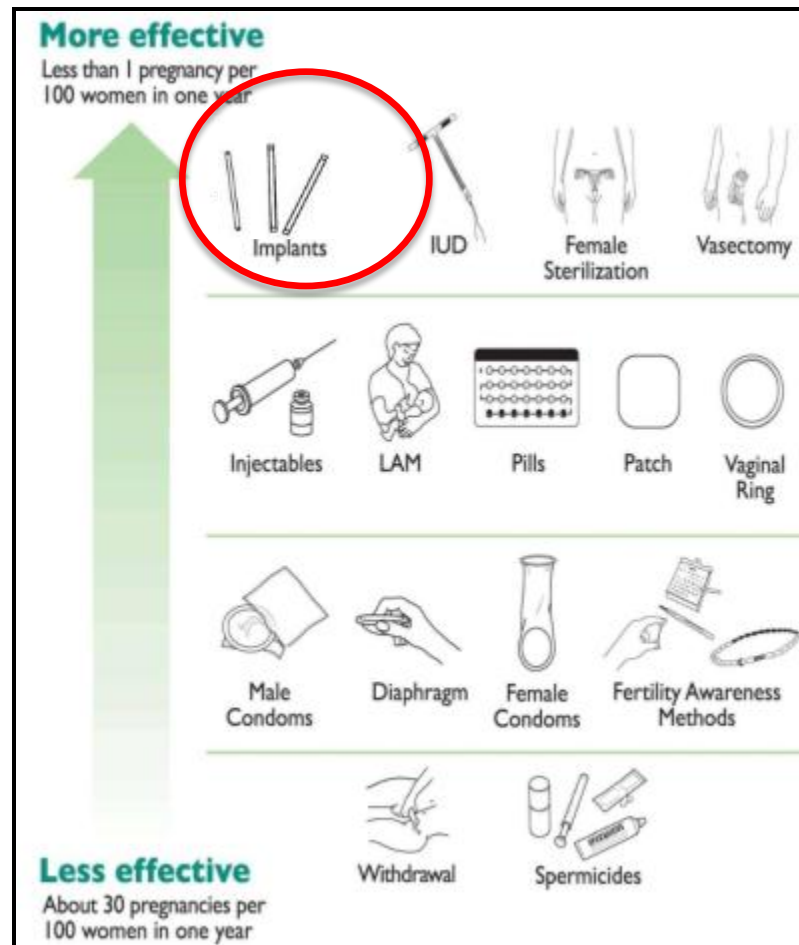


Implants: Promising Choice




- Hormonal Implants are small flexible rods or capsules that are placed just under the skin of upper arm.
- Mode of action: Inhibits ovulation and thickens cervical mucus.
- Hormonal implants are gaining popularity among a broad range of women wanting to time, space, or limit future pregnancies. A number of such products-including Implanon® , Jadelle® , and Sino-implant (II)® are available.

Benefits of Implants

- Highly effective
- Can be used both for spacing or limiting births
- No regular action needed by user
- Does not fail because of user error
- Continuation rates are higher than shorter-acting methods
- Lower burden on health system because fewer visits required
- Cost-effective in the long term



Comparison of Implants

	Implanon 	Jadelle 	Sino-implant (II) (Zarin, Femplant, Trust, Simplant) 
Formulation	68 mg etonogestrel in 1 rod	150 mg levonorgestrel in 2 rods	150 mg levonorgestrel in 2 rods
Approx. Insertion & Removal time	Insertion: 1 min Removal: 2-3 min	Insertion: 2 min Removal: 5 min	Insertion: 2 min Removal: 5 min
Labeled duration	3 years	5 years	4 years
Trocars	Pre-loaded disposable	Disposable	Disposable
Cost per Year (if used for duration)	\$6.00	\$3.60	\$2.00
WHO Prequalification	Yes	Yes	Application submitted

Global Evidence on Implants

- Implants' **effectiveness** and convenience, has made them popular and high in demand in countries where they are available in family planning programs.*
- Implants have higher **continuation rates** after two years than most other reversible methods.**
- Studies have shown that use of implants has no impact on breast-feeding or the healthy development of breast-fed babies.**

*Hubacher D, Kimani J, Steiner MJ, Solomon M, Ndugga MB. Contraceptive implants in Kenya: current status and future prospects. *Contraception*. 2007;75(6):468–473.

**2010 Quick Reference Guide to Family Planning Research 43

Global Evidence on Implants

- **Efficacy** rates of Implants are comparable to those of other long-acting and permanent methods.
- Pre-insertion **counselling** help women accept side effects and, as a result, reduce their early discontinuation.
- As a percent of the method mix—remains 0.03% worldwide, demand often exceeds supply.

Implants at MSI

Widely used in Africa and Asia and use increasing in Latin America.

Country	No of units
10 Asian countries	40,421 units
Bangladesh	8,213
Pakistan	15,981 units
Nepal	4,315
Other South Asian Countries	11,912
Cambodia, Vietnam, Mongolia, Myanmar, Papua New Guinea, Timor Leste, Yemen	

Implant is provided through MSI Blue Star Social Franchisees

Implants at MSI

- **Quality** is ensured through MSI clinical standards and protocols , clinical training protocols , ongoing clinical quality audits and technical assistance.
- In Madagascar less than 2% of women discontinued their implants three months after insertion, which testify to the quality of our services & client acceptability of Sino-II.*
- **Advocacy** - In Timor Leste, a protocol review by MSI, MoH and UNFPA helped remove restrictions on provision of implants by nurses.

**Retrospective evaluation study in Tanzania , Sierra Leone, Ethiopia, Madagascar, Pakistan and Myanmar*

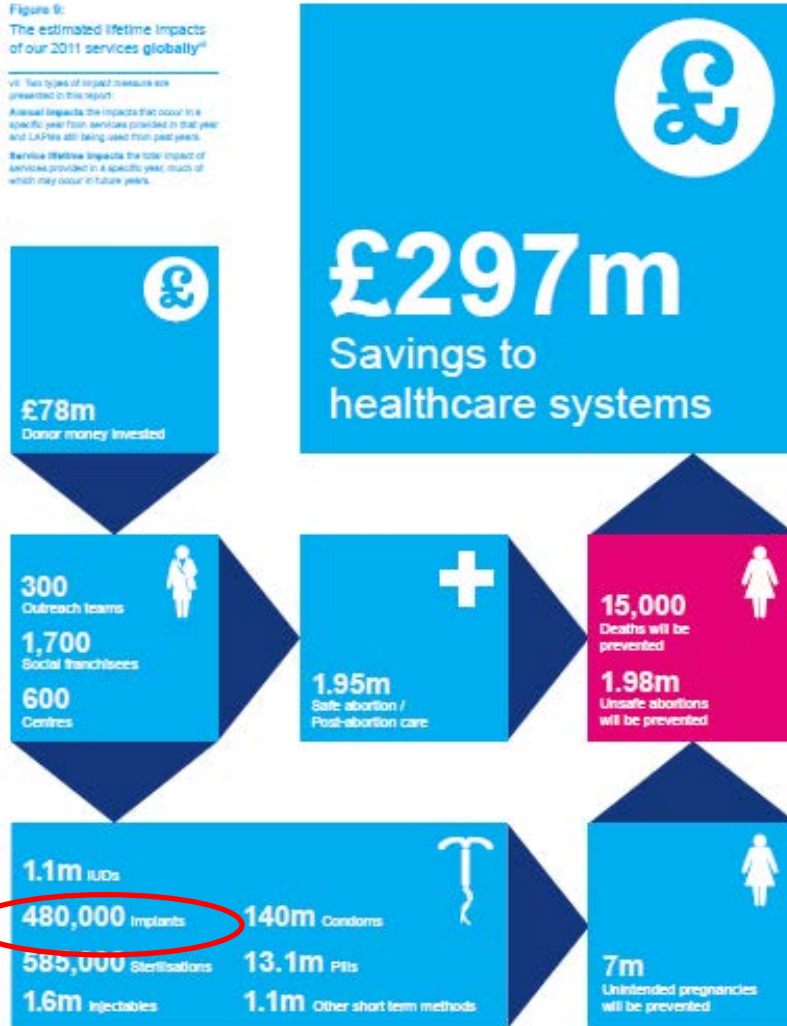
Implants at MSI

- **Training of providers:** MSI's skilled service providers are trained using materials and courses developed by the Medical Development Team from international best practice & research
- Implant insertion is a **simple technique** and requires limited equipment
- MSI recommend 4 day training on all spacing FP methods. For Implants we advocate 5 insertion and 2 removal on clients as a minimum criteria during training.
- MSI's experience from Ethiopia and Sierra Leone shows the importance of training the widest possible network of government and private sector Doctors on implants to ensure wide **access to follow up** and potentially removal *

**Retrospective evaluation study in Tanzania , Sierra Leone, Ethiopia, Madagascar, Pakistan and Myanmar*

Figure 6:
The estimated lifetime impacts
of our 2011 services globally^{vii}

vii. Two types of impact measure are presented in this report:
Annual impacts the impacts that occur in a specific year from services provided in that year and LARPs still being used from past years.
Service lifetime impacts the total impact of services provided in a specific year, much of which may occur in future years.



Implants

Impact on Cost Saving to Health Care systems

Implant Initiative at MSI


- MSI , FHI 360 with partners collaborate for registration and introduction of the low cost – Sino-Implant II



Over 730,600 units distributed to date in countries supported under project



**Units
translate into
almost \$8.4M
in commodity
cost savings***



**Savings mean
an additional
1 million units
could be
purchased**

Estimated Impact of Units**

- Over 2.4 million couple years of protection from pregnancy
- 661,000 unintended pregnancies averted
- 2,600 maternal deaths averted
- 126,000 abortions averted
- \$94M in savings to health system and families

Savings could also be reinvested in training or other health priorities

fhi360
THE SCIENCE OF IMPROVING LIVES



*Impact is estimated based on distribution of 687,500 units (units damaged during delivery to Africa subtracted from total procurement). Savings are based on a price of US\$8 per unit for Sino-implant (II), assuming the alternative is to purchase Jadelle. The average price for Jadelle was US\$24 in 2009, US\$22 in 2010, US\$19 in 2011 and US\$18 in 2012 according to information from the Reproductive Health Supplies Coalition (www.rhsupplies.org).

**Public health impact calculated from MSI Impact Calculator version 1.2 available at www.mariestopes.org.



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